

# **Asbestos Survey Report** **The Former Residence Located at:**

190 North High Street, Dublin, Ohio, 43017

Prepared For:

The City of Dublin  
5800 Shier Rings Road  
Dublin, Ohio 43016

February 2, 2016

Prepared By:



**GPD GROUP®**  
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## 1.0 Introduction

GPD Group has conducted a survey of the vacant single-family residential building with attached garage located at 190 North High Street, Dublin, Ohio (Subject Building) for Asbestos Containing Materials (ACM) on January 11, 2016. The entire building was vacant at the time of the asbestos survey. A floor plan of the building was not available for review prior to the asbestos survey. According to the National Emission Standard for Asbestos, 40 CFR, Part 61, Subpart M, Asbestos Demolition, Renovation, and Waste Disposal Regulation (NESHAP), the Ohio Environmental Protection Agency (OEPA) requires that a facility be inspected for ACM prior to demolition or renovation. This report will fulfill that requirement.

The scope of work for the surveying included the sampling, assessment, and analysis of all suspect ACMs within and on the existing structure prior to demolition. GPD Group conducted a physical walk through inspection of the vacant single-family residential building with attached garage and collected bulk samples of any suspect building materials while documenting and recording locations of the samples. In addition, the friability and potential friability of all sampled materials was assessed to determine if removal of such materials would be required prior to demolition in order to meet the NESHAP requirement. All work was conducted in conformance with the US EPA Rule 40 CFR, Part 61, Subpart M.

A total of thirty-nine (39) samples were taken of suspect material in their respective homogenous areas within the Subject Building. All of the samples were submitted to be analyzed by the Polarized Light Microscopy (PLM) – visual estimation method at EMSL Analytical, Inc. The samples were taken in representative areas accessible within the building. Two (2) of the samples consisting of gray exterior window glazing were further analyzed using the PLM point counting technique to ascertain asbestos content detected in the original PLM analysis. According to EPA standards, a material is considered “asbestos-containing” if the concentration of asbestos fibers in that material is greater than 1%.

The following pages contain the Asbestos Survey Report, Assessment Description, Sample Location Maps, Bulk Sample Laboratory Report, Photographic Log, a partially completed OEPA NESHAP Demolition and Renovation Notification Form, and the Inspector’s Certifications.



## 2.0 Survey Report

On January 11, 2016, an asbestos survey was conducted on the vacant single-family residential building with attached garage located at 190 North High Street, Dublin, Ohio. A floor plan of the building was not available for review prior to the survey. The scope of work for the survey included the sampling, assessment, and analysis of all suspect Asbestos Containing Materials (ACMs) within and on the existing structure prior to demolition.

The approximately 1,751 square-foot residential building with full basement was constructed in 1953. The construction date of the roughly 484 square-foot attached garage is unknown. The exterior finish is composed primarily of brick. The roof construction of both the residence and attached garage consisted of an asphalt shingle roof system.

In all, a total of thirty-nine (39) bulk samples were taken throughout the interior and exterior of the Subject Building and submitted to the laboratory for analysis. The analytical laboratory, EMSL, Inc., further expanded the thirty-nine (39) bulk field samples into fifty-eight (58) distinct laboratory samples for PLM analysis. A detailed listing of all samples taken during the survey is as follows:

Field Sample Number(s)	Sample Description / Location	Asbestos Content/ ACM Category
011116-1	Drywall and joint compound/ Living Room	None Detected
011116-2	Drywall and joint compound/ Dining Room	None Detected
011116-3 and 011116-4	3" by 3" floor tile/ Living Room in front of fireplace	None Detected
011116-5	Drywall joint compound / Living Room ceiling	None Detected
011116-6	Drywall joint compound / Dining Room ceiling	None Detected
011116-7 and 011116-8	Beige backsplash tile with mastic/ Kitchen	None Detected
011116-9 and 011116-10	14" by 14" Beige floor tile with gray grout / Kitchen	None Detected
011116-11 and 011116-12	Beige baseboard tile with mastic / Kitchen walls	None Detected



011116-13 and 011116-14	Gray rock wool attic insulation / Attic	None Detected
011116-15 and 011116-16	12" by 12" Floor tile with gray grout / Bathroom 1	None Detected
011116-17 and 011116-18	16" by 16" Beige floor tile with grey grout / Bathroom 2	None Detected
011116-19 and 011116-20	Gray fiberboard underlayment / Bathroom 2 - Beneath 16" by 16" floor tile	None Detected
011116-21 and 011116-22	Resilient floor covering – Beige and Brown / Bathroom 2 - beneath 16" by 16" floor tile and underlayment	None Detected
011116-23	Drywall and joint compound / Bedroom 2	None Detected
011116-24 and 011116-25	Gray cement wall board / Garage	<b>20% Chrysotile / Category II Non-Friable ACM</b>
011116-26 and 011116-27	Cellulose wall backing / Garage – behind cement wall board	None Detected
011116-28 and 011116-29	White acoustic ceiling tile / Basement	None Detected
011116-30 and 011116-31	White tape - Beneath gray tape at duct seams / Furnace ducts in basement	<b>40-60% Chrysotile / Friable ACM (tape)</b>
011116-32 and 011116-33	Gray window glazing / Exterior windows	<1% Chrysotile (confirmed via point counting) / Non- ACM
011116-34 and 011116-35	Asphalt shingles - two layers / Roof	None Detected
011116-36 and 011116-37	White textured ceiling paint / Bathroom 2	None Detected
011116-38	Cellulose wallboard / Living Room behind drywall	None Detected



011116-39	Cellulose wallboard / Dining Room behind drywall	None Detected
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**Estimated Quantities and Conditions of Confirmed ACM Materials**

Sample Description	Condition/ Estimated Quantity
White duct tape – metal duct seams	Fair/20 square feet
Gray cementitious wall board	Good/1,200 square feet

The white duct tape located along the metal duct seams contains 40% to 60% asbestos. Such material is considered to be friable and should be removed per the Asbestos NESHAP and ODH regulations.

The gray cement wall board located on the interior walls and ceiling within the garage is a Category II Non-Friable ACM and would potentially become friable during normal demolition activities. As such, this wall board should be removed prior to demolition per the Asbestos NESHAP and ODH regulations.

The field inspection included feeling and observing all suspect materials, identifying the type of material, determining if a material was friable or non-friable, sampling all suspected materials, and documenting the locations of the samples. Random sample locations were selected so that they were representative of the sampling areas.

EMSL Analytical, Inc., located in Indianapolis, Indiana was selected to provide detailed bulk sample analysis reports. The Polarized light microscopy (PLM) method was used for analyzing bulk materials to determine if asbestos was present in the material sampled. PLM utilizes a light microscope equipped with polarizing filters. Asbestos fiber bundles are determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. Identification is substantiated by the actual structure of the fiber and the effect of polarized light on the fiber.

The PLM point counting procedure improves the accuracy and precision over the regular PLM visual estimate procedure. With more points analyzed, the better the accuracy and the method, especially when the sample has a low concentration of asbestos. When a material sample contains less than 10% asbestos, the point counting method shall be used to determine the actual amount of asbestos contained in the material or else the material is assumed to be ACM.

EMSL Analytical, Inc. is accredited by the National Institute of Standards and Technology under the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis.



Both federal and state regulations exist that govern asbestos-containing material in buildings. The National Emission Standard for Hazardous Air Pollution (NESHAP) is the federal act, which gives power and authority to the State EPA, and the Occupational Safety and Health Administration 29 CFR Parts 1910 and 1926 Occupational Exposure to Asbestos govern:

1. The US Environmental Protection Agency (EPA) requires notification of all renovation projects in industrial, commercial or institutional facilities where friable asbestos-containing material (greater than 1%) will be disturbed in quantities greater than 260 linear feet, 160 square feet or 35 cubic feet.
2. Notification is required for **all** demolition projects, regardless of whether asbestos is present. This number includes the cumulative amount of friable asbestos-contained material expected to be removed during the course of the operation. Notification must be a written notice and is required at least ten (10) working days prior to demolition.
3. The Ohio Department of Health (ODH) requires notification of ACM for demolition and renovation projects involving more than 50 linear feet or 50 square feet of material. If quantities are less than 50 linear feet or 50 square feet, notification is not required.

The Federal and State Regulations do not require that all non-friable asbestos be removed; only those ACMs that may become friable during the demolition process are required to be removed per the NESHAP. In projects that propose burning of the structure, EPA requires all asbestos material, friable and non-friable to be removed.



### 3.0 Assessment Descriptions

#### Classifying ACM with Respect to Friability

The Ohio Environmental Protection Agency, National Emission Standard for Hazardous Air Pollutants (NESHAP), and Occupational Safety and Health Administration (OSHA) rules require inspection and a physical assessment of confirmed or assumed friable and non-friable ACM identified in the building structure.

The first step in the physical assessment process involves assessing the friability of the ACM. Listed below are the definitions, which have been used for such an assessment.

A. Asbestos Containing Material

1. Building materials are classified as asbestos containing material when a certified lab analyzes and determines the material to contain greater than 1% asbestos.

B. Friable/Non-Friable Asbestos

1. Friable asbestos - Any material that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry, it may be crumbled, pulverized or reduced to powder by hand pressure.
2. Category I Non-Friable Asbestos – Asbestos-containing packings, gaskets, resilient floor covering and asphalt roofing products containing more than 1% asbestos.
3. Category II Non-Friable Asbestos – Any material, excluding Category 1 non-friable ACM, containing more than 1% asbestos that, when dry, cannot be crumbled, pulverized, or reduced to powder by normal hand pressure.

C. Types of Building Materials

1. Surfacing material means material that is sprayed on, troweled-on or otherwise applied to surfaces such as acoustical plaster on ceilings and fireproofing materials on structural members or other materials on surfaces for acoustical, fireproofing or other purposes.
2. Thermal system insulation means material applied to pipes, fittings, boilers, breechings, tanks, ducts or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.



3. Miscellaneous materials means interior building material on structural components, structural members, or fixtures such as floor and ceiling tiles and does not include surfacing material or thermal systems insulation.



## 4.0 Conclusions

The Asbestos Survey of the vacant single-family residential property with attached garage located at 190 North High Street, Dublin, Ohio has included assessing suspect building materials, obtaining bulk samples of suspect materials, submitting bulk samples to an accredited laboratory for analysis and interpreting the laboratory results. This Asbestos Survey has been conducted and executed in a manner customary in principle and practice in the field of environmental science and engineering.

Both friable and non-friable asbestos-containing materials (ACMs) have been positively identified on and within the Subject Building in the forms of duct tape and interior cement wall board.



## 5.0 Recommendations

The following should be considered:

In accordance with Ohio regulations, a final copy of this asbestos survey report must be provided to the demolition contractor and be onsite during demolition activities.

The white duct tape located along the metal duct seams is a friable material and the interior gray cement wall board within the garage is likely to become friable during normal demolition activities. These materials should be removed by a licensed abatement contractor prior to demolition per the Asbestos NESHAP and ODH regulations.



## 6.0 Signatures and Certification Statement

I declare that I have completed this Asbestos Survey Report of the vacant single-family residential property with attached garage located at 190 North High Street, Dublin, Ohio in accordance with current Environmental Protection Agency and Ohio Department of Health regulations. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Building. I have developed and performed all sampling and reporting protocols in conformance with the standards and practices set forth by the National Emission Standard for Hazardous Air Pollutants (NESHAP) and the Ohio Department of Health (ODH).



February 2, 2016

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Jason T. Clausi, CHMM

Date

Senior Environmental Scientist

GPD Group



## **Appendix A**

### **Site Map**

- Sample Location Map

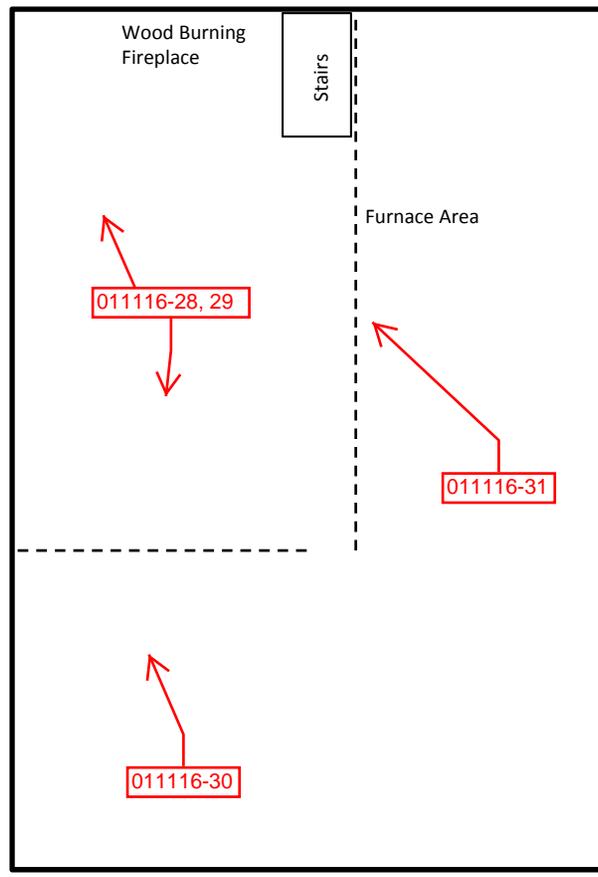
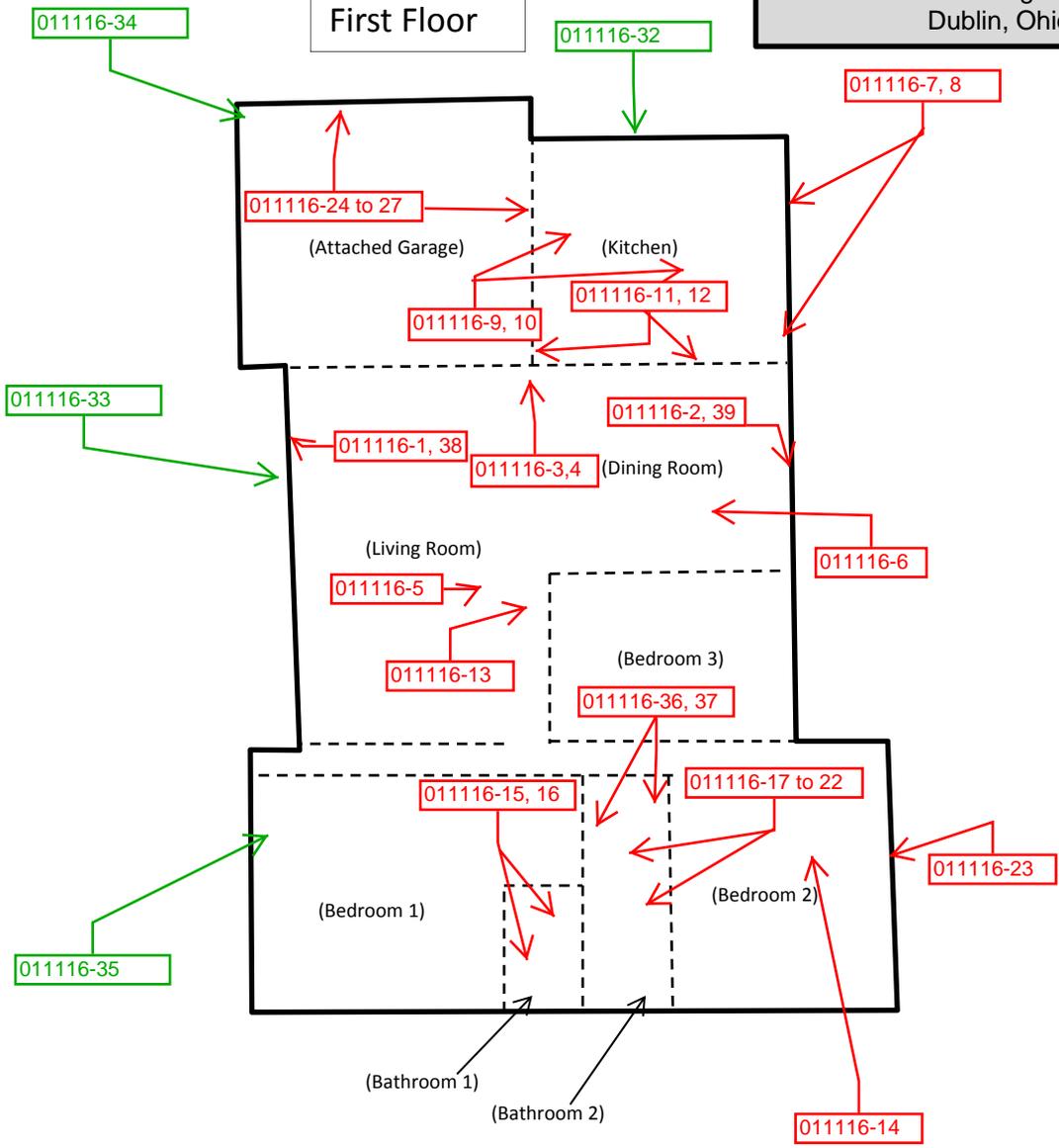


# Sample Location Maps

Vacant Residence  
190 North High Street  
Dublin, Ohio

## First Floor

## Basement



**Not To Scale**

- Interior Wall
- Interior Sample Location
- Exterior Sample Location

## **Appendix B**

### **Bulk Sample Lab Report**





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LABORATORY • PRODUCTS • TRAINING

## Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

Cincinnati, OH 45212  
PHONE: (513) 208-2226  
FAX (513) 373-4113

<b>Company :</b> GPD Group		<b>EMSL-Bill to:</b> <input type="checkbox"/> Same <input checked="" type="checkbox"/> Different <small>If Bill to is Different note instructions in Comments**</small>	
<b>Street:</b> 1801 Watermark Drive, Suite 210		<i>Third Party Billing requires written authorization from third party</i>	
<b>City:</b> Columbus	<b>State/Province:</b> OH	<b>Zip/Postal Code:</b> 43215	<b>Country:</b> United States
<b>Report To (Name):</b> Jason Clausi		<b>Telephone #:</b> 614-588-8944	
<b>Email Address:</b> jclausi@gpdgroup.com		<b>Fax #:</b>	<b>Purchase Order:</b>
<b>Project Name/Number:</b> 190 North High Street, Dublin, OH		<b>Please Provide Results:</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Mail	
<b>U.S. State Samples Taken:</b> OH		<b>CT Samples:</b> <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	

**Turnaround Time (TAT) Options\* - Please Check**

3 Hour   
  6 Hour   
  24 Hour   
  48 Hour   
  72 Hour   
  96 Hour   
  2 Week   
  2 Week

\*For TEM Air 3 hr through 6 hr, please call ahead to schedule. \*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT You will be asked to sign an authorization form for this service Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

<p style="text-align: center;"><b>PLM - Bulk (reporting limit)</b></p> <p>PLM EPA 600/R-93/116 (&lt;1%)</p> <p><input type="checkbox"/> PLM EPA NOB (&lt;1%)</p> <p>Point Count <input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p>Point Count w/Gravimetric <input type="checkbox"/> 400 (&lt;0.25%) <input type="checkbox"/> 1000 (&lt;0.1%)</p> <p><input type="checkbox"/> NIOSH 9002 (&lt;1%)</p> <p><input type="checkbox"/> NY ELAP Method 198.1 (friable in NY)</p> <p><input type="checkbox"/> NY ELAP Method 198.6 NOB (non-friable-NY)</p> <p><input type="checkbox"/> OSHA ID-191 Modified</p> <p><input type="checkbox"/> Standard Addition Method</p>	<p style="text-align: center;"><b>TEM - Bulk</b></p> <p><input type="checkbox"/> TEM EPA NOB - EPA 600/R-93/116 Section 2.5.5.1</p> <p><input type="checkbox"/> NY ELAP Method 198.4 (TEM)</p> <p><input type="checkbox"/> Chatfield Protocol (semi-quantitative)</p> <p><input type="checkbox"/> TEM % by Mass - EPA 600/R-93/116 Section 2.5.5.2</p> <p><input type="checkbox"/> TEM Qualitative via Filtration Prep Technique</p> <p><input type="checkbox"/> TEM Qualitative via Drop Mount Prep Technique</p> <p style="text-align: center;"><b>Other</b></p> <p><input type="checkbox"/></p>
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Check For Positive Stop - Clearly Identify Homogenous Group    Date Sampled: 1/11/16

**Samplers Name:** Jason Clausi, CHMM    **Samplers Signature:** *J. T. Clausi*

Sample #	HA #	Sample Location	Material Description
011116-1	1	Living Room	Drywall and joint compound
011116-2	1	Dining Room	Drywall and joint compound
011116-3	2	Living Room in front of fireplace	3" by 3" floor tile
011116-4	2	Living Room in front of fireplace	3" by 3" floor tile
011116-5	1	Living Room ceiling	Drywall joint compound
011116-6	1	Dining Room ceiling	Drywall joint compound
011116-7	3	Kitchen	Beige backsplash tile
011116-8	3	Kitchen	Beige backsplash tile
011116-9	4	Kitchen	14" by 14" Beige floor tile with gray grout
011116-10	4	Kitchen	14" by 14" Beige floor tile with gray grout

**Client Sample # (s):** 011116-1 - 011116-39    **Total # of Samples:** 39

**Relinquished (Client):** *J. T. Clausi*    **Date:** 01/13/16    **Time:** 10:54 AM

**Received (Lab):** *[Signature]*    **Date:** 1-14-16    **Time:** 9:35 AM

**Comments/Special Instructions:**

Customer ID: GPDA78  
BillTo: GPD Group, 1801 Watermark Drive, Suite 210 Columbus, OH, 43215, United States



**EMSL ANALYTICAL, INC.**  
LABORATORY • PRODUCTS • TRAINING

## Asbestos Bulk Building Material Chain of Custody

**EMSL Order Number** *(Lab Use Only)*.

Cincinnati, OH 45212  
PHONE: (513) 208-2226  
FAX: (513) 373-4113

*Additional Pages of the Chain of Custody are only necessary if needed for additional sample information*

Sample #	HA #	Sample Location	Material Description
011116-11	5	Kitchen	Beige baseboard tile with mastic
011116-12	5	Kitchen	Beige baseboard tile with mastic
011116-13	6	Attic	Gray rock wool attic insulation
011116-14	6	Attic	Gray rock wool attic insulation
011116-15	7	Bathroom 1	12" by 12" Floor tile with gray grout
011116-16	7	Bathroom 1	12" by 12" Floor tile with gray grout
011116-17	8	Bathroom 2	16" by 16" Beige floor tile with grey grout
011116-18	8	Bathroom 2	16" by 16" Beige floor tile with grey grout
011116-19	9	Bathroom 2 - Beneath 16" by 16" floor tile	Gray fiberboard underlayment
011116-20	9	Bathroom 2 - Beneath 16" by 16" floor tile	Gray fiberboard underlayment
011116-21	10	Bathroom 2 - beneath 16" by 16" floor tile and underlayment	Resilient floor covering - Beige/Brown
011116-22	10	Bathroom 2 - beneath 16" by 16" floor tile and underlayment	Resilient floor covering - Beige/Brown
011116-23	1	Bedroom 2	Drywall and joint Compound
011116-24	11	Garage	Gray cement wall board
011116-25	11	Garage	Gray cement wall board
011116-26	12	Garage	Cellulose wall backing
011116-27	12	Garage	Cellulose wall backing
011116-28	13	Basement	White acoustic ceiling tile
011116-29	13	Basement	White acoustic ceiling tile
011116-30	14	Basement	White tape - Beneath gray tape at duct seams
011116-31	14	Basement	White tape - Beneath gray tape at duct seams
011116-32	15	Exterior window	Gray window glazing
011116-33	15	Exterior window	Gray window glazing
011116-34	16	Roof	Asphalt shingles - two layers
<b>*Comments/Special Instructions:</b>			
Customer ID: GPDA78 BillTo: GPD Group, 1801 Watermark Drive, Suite 210 Columbus, OH, 43215, United States Attention: Jason Clausi Phone: 614-588-8944 Email: jclausi@gpdgroup.com			





# EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205  
Tel/Fax: (317) 803-2997 / (317) 803-3047  
<http://www.EMSL.com> / [indianapolislaboratory@emsl.com](mailto:indianapolislaboratory@emsl.com)

EMSL Order: 161600624  
Customer ID: GPDA78  
Customer PO:  
Project ID:

**Attention:** Jason Clausi, CHMM  
GPD Group  
520 South Main Street  
Suite 2531  
Akron, OH 44311  
**Project:** 190 North High Street, Dublin, OH

**Phone:** (614) 588-8944  
**Fax:** (330) 572-2102  
**Received Date:** 1/14/2016 9:35 AM  
**Analysis Date:** 1/14/2016  
**Collected Date:** 1/13/2016

## 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
011116-1-Finish Coat <small>161600624-0001 Inseparable paint / coating layer included in analysis</small>	Living Room - Drywall and joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-1-Base Coat <small>161600624-0001A</small>	Living Room - Drywall and joint compound	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
011116-2-Finish Coat <small>161600624-0002 Inseparable paint / coating layer included in analysis</small>	Dining Room - Drywall and joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-2-Base Coat <small>161600624-0002A</small>	Dining Room - Drywall and joint compound	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
011116-3-Ceramic Tile <small>161600624-0003</small>	Living Room in front of fireplace - 3" by 3" floor tile	Gray/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-3-Mastic <small>161600624-0003A</small>	Living Room in front of fireplace - 3" by 3" floor tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-4-Ceramic Tile <small>161600624-0004</small>	Living Room in front of fireplace - 3" by 3" floor tile	Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-4-Mastic <small>161600624-0004A</small>	Living Room in front of fireplace - 3" by 3" floor tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-5 <small>161600624-0005 Inseparable paint / coating layer included in analysis</small>	Dining Room Ceiling - Drywall joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-6 <small>161600624-0006 Inseparable paint / coating layer included in analysis</small>	Dining Room Ceiling - Drywall joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-7-Backsplash <small>161600624-0007</small>	Kitchen - Beige backsplash tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-7-Mastic <small>161600624-0007A</small>	Kitchen - Beige backsplash tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-8-Backsplash <small>161600624-0008</small>	Kitchen - Beige backsplash tile	Beige Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
011116-8-Mastic <small>161600624-0008A</small>	Kitchen - Beige backsplash tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-9-Ceramic Tile <small>161600624-0009</small>	Kitchen - 14" by 14" Beige floor tile with gray grout	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected



# EMSL Analytical, Inc.

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<http://www.EMSL.com> / [indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

EMSL Order: 161600624

Customer ID: GPDA78

Customer PO:

Project ID:

## 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
011116-9-Grout <small>161600624-0009A</small>	Kitchen - 14" by 14" Beige floor tile with gray grout	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
011116-10-Ceramic Tile <small>161600624-0010</small>	Kitchen - 14" by 14" Beige floor tile with gray grout	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-10-Grout <small>161600624-0010A</small>	Kitchen - 14" by 14" Beige floor tile with gray grout	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
011116-11-Baseboard <small>161600624-0011</small>	Kitchen - Beige baseboard with mastic	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-11-Grout <small>161600624-0011A</small>	Kitchen - Beige baseboard with mastic	White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
011116-12-Baseboard <small>161600624-0012</small>	Kitchen - Beige baseboard with mastic	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-12-Grout <small>161600624-0012A</small>	Kitchen - Beige baseboard with mastic	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-13 <small>161600624-0013</small>	Attic - Gray rock wool attic insulation	Gray Fibrous Homogeneous	98% Min. Wool	2% Non-fibrous (Other)	None Detected
011116-14 <small>161600624-0014</small>	Attic - Gray rock wool attic insulation	Gray Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (Other)	None Detected
011116-15-Ceramic Tile <small>161600624-0015</small>	Bathroom 1 - 12" by 12" Floor tile with gray grout	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-15-Grout <small>161600624-0015A</small>	Bathroom 1 - 12" by 12" Floor tile with gray grout	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
011116-16-Ceramic Tile <small>161600624-0016</small>	Bathroom 1 - 12" by 12" Floor tile with gray grout	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-16-Grout <small>161600624-0016A</small>	Bathroom 1 - 12" by 12" Floor tile with gray grout	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
011116-17-Ceramic Tile <small>161600624-0017</small>	Bathroom 2 - 16" by 16" Beige floor tile with gray grout	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-17-Grout <small>161600624-0017A</small>	Bathroom 2 - 16" by 16" Beige floor tile with gray grout	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
011116-18-Ceramic Tile <small>161600624-0018</small>	Bathroom 2 - 16" by 16" Beige floor tile with gray grout	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-18-Grout <small>161600624-0018A</small>	Bathroom 2 - 16" by 16" Beige floor tile with gray grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-19 <small>161600624-0019</small>	Bathroom 2 beneath 16" by 16: floor tile - Gray firberboard underlayment	Gray Fibrous Homogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
011116-20 <small>161600624-0020</small>	Bathroom 2 beneath 16" by 16: floor tile - Gray firberboard underlayment	Gray Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected



# EMSL Analytical, Inc.

2001 East 52nd St. Indianapolis, IN 46205

Tel/Fax: (317) 803-2997 / (317) 803-3047

<http://www.EMSL.com> / [indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

EMSL Order: 161600624  
 Customer ID: GPDA78  
 Customer PO:  
 Project ID:

## 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
011116-21-Linoleum <small>161600624-0021</small>	Bathroom 2 beneath 16" by 16: floor tile - Resilient floor covering- Beige/Brown	Brown/Beige Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
011116-21-Linoleum <small>161600624-0021A</small>	Bathroom 2 beneath 16" by 16: floor tile - Resilient floor covering- Beige/Brown	Gray Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
011116-22-Linoleum <small>161600624-0022</small>	Bathroom 2 beneath 16" by 16: floor tile - Resilient floor covering- Beige/Brown	Tan Fibrous Heterogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
011116-22-Linoleum <small>161600624-0022A</small>	Bathroom 2 beneath 16" by 16: floor tile - Resilient floor covering- Beige/Brown	Gray Fibrous Heterogeneous	35% Cellulose	65% Non-fibrous (Other)	None Detected
011116-23-Finish Coat <small>161600624-0023</small>	Bedroom 2 - Drywall and joint compound	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-23-Base Coat <small>161600624-0023A</small>	Bedroom 2 - Drywall and joint compound	Brown/Gray Non-Fibrous Heterogeneous	5% Cellulose	20% Quartz 75% Non-fibrous (Other)	None Detected
011116-24 <small>161600624-0024</small>	Garage - Gray cement wall board	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
011116-25 <small>161600624-0025</small>	Garage - Gray cement wall board	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
011116-26 <small>161600624-0026</small>	Garage - Cellulose wall backing	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
011116-27 <small>161600624-0027</small>	Garage - Cellulose wall backing	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
011116-28 <small>161600624-0028</small>	Basement - White acoustic ceiling tile	Gray/White Fibrous Homogeneous	70% Cellulose 10% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
011116-29 <small>161600624-0029</small>	Basement - White acoustic ceiling tile	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
011116-30 <small>161600624-0030</small>	Basement - White tape-Beneath gray tape at duct seams	Gray Fibrous Homogeneous	20% Cellulose	20% Non-fibrous (Other)	60% Chrysotile
011116-31 <small>161600624-0031</small>	Basement - White tape-Beneath gray tape at duct seams	Gray Fibrous Homogeneous	40% Cellulose	20% Non-fibrous (Other)	40% Chrysotile
011116-32 <small>161600624-0032</small>	Exterior window - Gray window glazing	Gray/Silver Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
011116-33 <small>161600624-0033</small>	Exterior window - Gray window glazing <i>Inseparable paint / coating layer included in analysis</i>	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
011116-34-Shingle <small>161600624-0034</small>	Roof - Asphalt shingles- two layers	Brown Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected

Initial Report From: 01/15/2016 10:11:08



# EMSL Analytical, Inc.

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Tel/Fax: (317) 803-2997 / (317) 803-3047  
<http://www.EMSL.com> / [indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

EMSL Order: 161600624  
Customer ID: GPDA78  
Customer PO:  
Project ID:

## 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
011116-34-Shingle <i>161600624-0034A</i>	Roof - Asphalt shingles- two layers	Black Fibrous Heterogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
011116-35-Shingle <i>161600624-0035</i>	Roof - Asphalt shingles- two layers	Brown/Black Fibrous Heterogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
011116-35-Shingle <i>161600624-0035A</i>	Roof - Asphalt shingles- two layers	Brown/Black Fibrous Heterogeneous	20% Glass	80% Non-fibrous (Other)	None Detected
011116-36 <i>161600624-0036</i> <i>Inseparable paint / coating layer included in analysis</i>	Bathroom 2 - White textured ceiling paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-37 <i>161600624-0037</i> <i>Inseparable paint / coating layer included in analysis</i>	Bathroom 2 - White textured ceiling paint	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
011116-38 <i>161600624-0038</i>	Living Room - Cellulose wallboard	Brown Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
011116-39 <i>161600624-0039</i>	Dining Room - Cellulose wallboard	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected

Analyst(s) \_\_\_\_\_  
Craig Nixon (28)  
Jadda Moffett (30)

  
Richard Harding, Laboratory Manager  
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial Report From: 01/15/2016 10:11:08

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205

Phone/Fax: (317) 803-2997 / (317) 803-3047

<http://www.EMSL.com>[indianapolislab@emsl.com](mailto:indianapolislab@emsl.com)

EMSL Order: 161600624

CustomerID: GPDA78

CustomerPO:

ProjectID:

Attn: **Jason Clausi, CHMM**  
**GPD Group**  
**520 South Main Street**  
**Suite 2531**  
**Akron, OH 44311**

Phone: (330) 572-2100  
 Fax: (330) 572-2102  
 Received: 01/14/16 9:35 AM  
 Analysis Date: 1/21/2016  
 Collected: 1/13/2016

Project: 190 North High Street, Dublin, OH

### Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
011116-32 161600624-0032	Exterior window - Gray window glazing	Gray/Silver Non-Fibrous Homogeneous		99.25% Non-fibrous (other)	<b>0.75% Chrysotile</b>
011116-33 161600624-0033	Exterior window - Gray window glazing	Gray Non-Fibrous Homogeneous		99.50% Non-fibrous (other)	<b>0.50% Chrysotile</b>

Analyst(s)

Jadda Moffett (2)

Richard Harding, Laboratory Manager  
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN

Initial report from 01/21/2016 09:39:04

## **Appendix C**

### **Certifications**



State of Ohio  
Department of Health  
Asbestos Program

Asbestos Hazard Evaluation Specialist



**Jason T Clausi**

**213 Morse Road  
Columbus OH 43214**

Certification Number      Expiration Date  
**ES34506**                      **10/31/2016**

DOB: 10/11/1976

This certification is issued pursuant to Chapter 3710 of the Revised Code and 3701-34 of the Ohio Administrative Code

Certification Card is not valid if altered

## INSPECTOR IDENTIFICATION

An asbestos survey was conducted on the vacant single-family residential property with attached garage located at 190 North High Street, Dublin, Ohio on January 11, 2016. The survey was conducted to identify any friable and/or non-friable asbestos containing materials within or on the building prior to demolition. Bulk sampling of suspect building materials was conducted as an integral part of the survey. Samples were analyzed by EMSL Analytical, Inc., an accredited NVLAP laboratory.

The following individual conducted the survey and developed the Asbestos Survey Report. Included herein is the individual's State of Ohio Certifications.

Jason Clausi, CHMM  
GPD Group  
1801 Watermark Drive, Suite 210  
Columbus, Ohio 43215

Certified Asbestos Hazard Evaluation Specialist  
License #ES34506  
Expires: October 31, 2016



February 2, 2016

---

Jason T. Clausi, CHMM

Date

Senior Environmental Scientist

GPD Group



February 2, 2016

**Appendix D**  
**OEPA Partially Completed Renovation and/or Demolition Notification Form**



# INSTRUCTIONS FOR NOTIFICATION OF ASBESTOS DEMOLITION AND RENOVATION OHIO ENVIRONMENTAL PROTECTION AGENCY

## Regulatory Requirements:

The Ohio Environmental Protection Agency adopted Chapter 3745-20 of the Ohio Administrative Code (OAC) "Asbestos Emission Control from Renovation Demolition and Waste Disposal Operation" May 29, 1990. Chapter 3745-20 implements the National Emission Standard for Hazardous Air Pollutants (NESHAP) Standard for Asbestos. On November 20, 1990 U.S. EPA revised the asbestos NESHAP. Proper completion and submittal of the Ohio EPA form for notification, meets or exceeds all requirements for notification under the NESHAP and the Ohio Administrative Code. Notification requirements are found in OAC 3745-20-03 and in 40 CFR Section 61.145(b).

## Who Must Notify:

Every demolition of a facility requires notification regardless of whether asbestos is involved. Renovation of a facility must be submitted when the amount of regulated asbestos-containing material (RACM) stripped, removed, dislodged, cut, drilled, or similarly disturbed exceeds 260 linear feet on pipes or 160 square feet on other facility components or 35 cubic feet off facility components.

## When Must Notification Be Provided:

Notice must be postmarked, delivered or received by the Ohio EPA district office or local air agency with jurisdiction in the county where the operations will occur. A list of the counties and a map is available for reference. All notifications must be submitted at least 10 working days (Monday-Friday excluding weekends) before operations begin. Phone notification is not acceptable for original notification. Notification must be updated when substantive information changes or the amount of asbestos changes by more than 20%. Updated notification may be provided by phone or fax followed in writing before the operations continue. An emergency demolition or emergency renovation notice must be submitted as early as possible before but not later than the following working day, and must include the information required under notice sections XIV and XV.

## What Information Must Be Supplied:

Complete all parts of the form except XIV and XV unless the notice is for emergency demolitions or renovations. Demolition

which involves less than 260 linear feet or 160 square feet do not need to complete items XI, XII, and XIII. Before submitting any notice the facility must be thoroughly inspected for asbestos including Category I (nonfriable packing gaskets, floor tile, asphalt roofing) and Category II (all other nonfriable ACM). OAC 3701-34-02(C) prohibits any person not certified as an asbestos hazard evaluation specialist in Ohio from inspecting and identifying asbestos for the purpose of determining the need for an asbestos hazard abatement activity.

Operator Project # -- this is an optional space provided for the person submitting the notice to indicate a project number.

- I. Identify if the notice is an original, revised, or canceled.
- II. A complete facility description must be provided including the specific portion of the facility affected by the operations. Building size must be estimated in square feet, number of floors, and age in years. Also include the present and prior use (i.e., industrial, commercial, institutional, etc.)
- III. Identify the type of operation being notified. If uncertain consult 40 CFR 61.141 and 61.145(a) or OAC 3745-20-01 and 3745-20-02.
- IV. Declare whether or not asbestos is present in any quantity.
- V. All spaces must be completed identifying the Owner, Removal Contractor and other responsible operator (if applicable) such as a demolition contractor or general contractor.
- VI. Include the procedure used to detect and analyze asbestos. All operations should have the records of the inspection and analyses on-site during active operations for inspection. Such records would include a list of materials assessed, locations sampled and the sample results.
- VII. Quantify asbestos in the three columns (RACM, Nonfriable Asbestos Material to be Removed, Nonfriable Asbestos Material NOT to be Removed).
- VIII. The starting and ending date for demolition or renovation must be noted even when asbestos is not being removed.
- IX. Include the scheduled dates for asbestos removal and specify the hours of operation and check off the days of the week operations will be active.
- X. Describe the demolition or renovation which will occur and the methods or operations that will be employed.
- XII. Indicate the names and addresses and phone numbers of any waste transporters. You must also complete a Waste Shipment Record prior to consigning any asbestos waste materials.
- XIII. Identify the waste disposal site and its actual location (may be different from mailing address).
- XIV. This space is only for emergency demolitions that meet the definitions and requirements of the regulation. In addition to completing the notification form, four additional items must be completed or attached to the notice. If a facility is not in imminent danger of collapse, it is not an emergency demolition even though it may be ordered due to hazardous conditions.
- XV. Emergency Renovations must meet criteria described at 40 CFR 61.141 and OAC 3745-20-01. Include an attachment with the three items listed on the notice form.
- XVI. Describe the procedures to be followed in the event unexpected asbestos is found or nonfriable asbestos becomes RACM. This will prevent delays or complete re-notification. In the event asbestos quantities change by 20% or more, you must update the notice.
- XVII. After November 20, 1991 you must certify a NESHAP trained person will be available during normal business hours at the demolition or renovation site. Signature must be by an authorized officer of the owner or operator.

**OHIO ENVIRONMENTAL PROTECTION AGENCY  
NOTIFICATION OF DEMOLITION AND RENOVATION**

Operator Project #	Postmark	Date Received	Notification #
--------------------	----------	---------------	----------------

**I. Type of Notification** (check one):  Original  Revised  Canceled

**II. Facility Description** (include building name, number, and floor or room number)  
 Building Name: Vacant 190 North High Street Residence  
 Address: 190 North High Street  
 City: Dublin State: **OHIO** Zip Code: 43016 County: Franklin  
 Site Location (specific): West side of N. High St. Just south of the Indian Run Dr. and N. High St. intersection  
 Building Size (square feet): 1751 plus a 484 square-foot attached garage # of Floors: 1 Age in Years: 62  
 Present Use: Vacant Residence Prior Use: Residential

**III. Type of Operation** (check one):  Demo  Ordered Demo  Renovation  Emergency Renovation  Fire Training

**IV. Is Asbestos Present?** (check one):  Yes  No

**V. Facility Information**  
**Owner Name:** The City of Dublin  
 Address: 5200 Emerald Parkway  
 City: Dublin State: Ohio Zip Code: 43017  
 Contact: Ken Richardson Telephone: (614) 410-4631 Fax: (    )  
**Removal Contractor Name:** \_\_\_\_\_ License # \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Telephone: (    ) \_\_\_\_\_ Fax: (614) \_\_\_\_\_  
**Other Operator (demolition/general):** \_\_\_\_\_ License # \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
 Contact: \_\_\_\_\_ Telephone: (    ) \_\_\_\_\_ Fax: (    ) \_\_\_\_\_

**VI. Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of RACM and Category I and Category II nonfriable ACM:**  
 The inspection including bulk sampling was performed in accordance with NESHAP regulations. Bulk samples were analyzed by PLM - visual estimation analysis. The window glazing samples were then point counted to confirm asbestos content was below 1%.  
 Ohio Asbestos Hazard Evaluation Specialist: Jason T. Clausi, CHMM ES34506  
 Name Certification #

**VII. Approximate Amount of Asbestos Materials:** 1,220 Square Feet

	RACM to be Removed	Nonfriable Asbestos Material to be Removed		Nonfriable Asbestos Material NOT to be Removed	
		Category I	Category II	Category I	Category II
Pipes (linear feet)					
Surface Area (square feet)	1,220		1,200		
Facility Components (cubic feet)					

**VIII. Scheduled Dates Demolition or Renovation:** Start: \_\_\_\_\_ Complete: \_\_\_\_\_

**IX. Dates for Asbestos Removal (MM/DD/YY)** Start: \_\_\_\_\_ Complete: \_\_\_\_\_

Days of the Week:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hours of Operation:							

Complete all unshaded spaces, except demolitions which involve less than 260 linear feet, 160 square feet, or 35 cubic feet of RACM, need not complete spaces XI, XII, XIII, XIV, and XV. Notifications for Emergency Demolition or Emergency Renovation must supply attachments.

**OHIO ENVIRONMENTAL PROTECTION AGENCY  
NOTIFICATION OF DEMOLITION AND RENOVATION**

**X. Description of planned Demolition or Renovation work to be performed and method(s) to be employed, including demolition or renovation techniques to be used and description of affected facility components:**

**XI. Description of work practices and engineering controls to be used to comply with the requirements, including asbestos removal and waste handling emission control procedures:**

**XII. Waste Transporter #1**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Contact: \_\_\_\_\_ Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

**Waste Transporter #2**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Contact: \_\_\_\_\_ Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

**XIII. Waste Disposal**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_  
Contact: \_\_\_\_\_ Telephone: ( ) \_\_\_\_\_ Fax: ( ) \_\_\_\_\_

**XIV. Emergency Demolition** (complete Item XIV and all other sections, only if this project is an Emergency Demo.)

1. Attach a copy of the Order to this notice.
2. Name of Authority Issuing Order: \_\_\_\_\_ Title: \_\_\_\_\_
3. Authority of Order (Citation of Code): \_\_\_\_\_
4. Date of Order (MM/DD/YY): \_\_\_\_\_ Date Ordered to Begin: \_\_\_\_\_

**XV. Emergency Renovation** (Attach separate sheet with the following information if project is Emergency Reno.)

1. Date and Hour of the Emergency
2. Description of the Sudden, Unexpected Event
3. Explanation of how the event caused unsafe conditions or equipment damage or an unreasonable financial burden.

**XVI. Description of procedures to be followed in the event that unexpected RACM is found or nonfriable ACM becomes crumbled, pulverized or reduced to powder.**

**XVII. I certify that an individual trained in the provisions of NESHAPS (40 CFR PART 61, SUBPART M) will be on-site during the Demolition or Renovation and evidence that the required training has been accomplished by this person will be available during normal business hours.**

\_\_\_\_\_  
Signature of Owner/Operator                      Date                      Type or Print Name and Title

**XVIII. I acknowledge the existence of laws prohibiting the submission of false or misleading statements and I certify that facts contained in this notification are true, accurate, and complete.**

\_\_\_\_\_  
Signature of Owner/Operator                      Date                      Type or Print Name and Title

Original Notification must be mailed or hand delivered at least ten working days (Monday-Friday excluding weekends) before demolition or renovation begins, except emergency demolitions and emergency renovations (see regulation) which must be submitted as soon as possible before operations begin, but no later than the following work day. (Form Revised 1/5/09)

## **Appendix E**

### **ACM Photographic Log**



City of Dublin  
190 North High Street  
Dublin, Ohio  
Asbestos Survey



Photograph 1 – Gray cement wall board containing 20% chrysotile asbestos covering all walls and the ceiling within the attached garage. Samples 011116-24 and 011116-25.



Photograph 2 – Gray cement wall board containing 20% chrysotile asbestos covering all walls and the ceiling within the attached garage. Samples 011116-24 and 011116-25.

Report dated February 2, 2016  
Photos taken January 11, 2016

City of Dublin  
190 North High Street  
Dublin, Ohio  
Asbestos Survey



Photograph 3 – Asbestos-containing duct tape (white) on duct seams in basement containing 40-60% chrysotile asbestos. Samples 011116-32 and 011116-33.



Photograph 4 – Asbestos-containing duct tape (white) on duct seams in basement containing 40-60% chrysotile asbestos. Samples 011116-30 and 011116-31.

City of Dublin  
190 North High Street  
Dublin, Ohio  
Asbestos Survey



Photograph 5 – Non-regulated exterior gray window glazing containing <1% chrysotile asbestos. Samples 011116-32 and 011116-33. Asbestos content within the glazing was confirmed via point-counting.