Asbestos Inspection Report

for:

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064

Property Image

TesTech Project Number: E018-OH

Prepared for:
City of Dayton
Department of Building Services
371 West Second Street
Dayton, Ohio 45402
(937) 333-3982

Prepared by:
TesTech, Inc.
8534 Yankee Street, Suite 2C
Dayton, Ohio 45458
(937) 435-3200

Date(s) of Inspection: 7/13/2013

TESTECH

Putting Our Experience to Work for You!

July 26, 2013

City of Dayton
Department of Building Services
Attention: Dennis Zimmer
371 West Second Street
Dayton, Ohio 45402

Re: Asbestos Inspection Report
NAP 2012 Commercial Asbestos Survey
City Contract #: CT12-0364
Notice of Possession #25, Lot 10064
939 Xenia Avenue, Dayton, Ohio 45410
TesTech Project Number: E018-OH

Dear Mr. Zimmer,

TesTech, Inc. (TesTech) Environmental Specialists and Ohio certified Asbestos Hazard Evaluation Specialists conducted a detailed asbestos inspection at the above referenced site (Project Site).

An Executive Summary listing Asbestos Containing Materials (ACM) identified during the inspection, as well as conclusions and recommendations, are presented in Attachment A.

The National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR 61 subpart M) requires prior notification for all demolition projects. Prior to demolition or major renovation activities, the facility must be inspected for all (friable and non-friable) ACM. This inspection must be performed by a certified Ohio Asbestos Hazard Evaluation Specialist.

The inspection of the Project Site included a room-by-room walk-through investigation of the structure(s), and accessible areas were visually checked for the presence of suspect ACM. Efforts were made to identify and sample suspect ACM located behind walls, above ceilings, below floors, etc; however, since additional ACM could be in inaccessible areas within the Project Site, **TesTech** cannot guarantee that additional ACM will not be found during the course of abatement and/or subsequent demolition. If inaccessible areas were discovered during the inspection they are listed on the Property Information Summary in Attachment B.

During the building evaluation, the inspectors looked for suspect materials on building components such as pipes, tanks, walls, floors, ceilings, etc. that could contain asbestos. Suspect materials were touched to determine their degree of friability, and sampling areas containing homogeneous materials were identified. Samples were collected from friable suspect ACM and/or non-friable suspect ACM. These samples were collected in areas that gave an accurate representation of the type of ACM present.

The inspectors performed bulk sampling of suspect materials in accordance with generally accepted procedures outlined in the current Environmental Protection Agency (EPA) Guidance Document and in accordance with the Asbestos Hazard Emergency Response Act (AHERA) (Section 763.86) protocol. Each sample was collected and placed in a clean, sealable vial or sealed bag and labeled with a unique sample identification number. This sample number was recorded on a Bulk Sample Log and the sample vial or bag. Supplemental information was also recorded on the Bulk Sample Log, including inspection date, the building name (or number), a brief description and location of the sample, and the type of material sampled (e.g. thermal insulation, fireproofing, plaster). The Asbestos Bulk Sample Log is included in Attachment C.

The samples were transported, under chain of custody, to Schneider Laboratories Global, Inc. in Richmond, Virginia for analysis. Schneider Laboratories Global, Inc. is fully accredited by the National Voluntary Laboratory Accreditation Program (NVLAP # 101150-0), the agency sponsored by the National Institute of Standards and Technology providing EPA accreditation of laboratories analyzing bulk samples for asbestos content by Polarized Light Microscopy (PLM) under AHERA. Bulk samples were analyzed for asbestos content using EPA Method 600/M4-82/020, and when applicable EPA Method 600/R-93/116. Bulk sample analysis incorporates the use of stereoscopic microscopy and PLM coupled with dispersion staining. The analytical methods listed above, which the EPA currently recommends for the determination of asbestos in bulk samples of friable insulation materials, can be used for qualitative identification of six (6) morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite asbestos.

The EPA method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage (rounded to the nearest percent) within the range of 0 to 100. Minute quantities of asbestos in bulk samples may be reported as "trace" or less than 1 percent (<1%). The analytical method determined the "*area percent*" asbestos or the percentage of the area of a microscopic field of view that is occupied by asbestos fibers.

The results of bulk samples are reported in a standard written laboratory report. The written report includes the client name, the laboratory identification numbers assigned to each bulk sample upon receipt by the laboratory sample custodian, and the sample number assigned to each bulk sample during the building inspection. The composition of the bulk sample is reported in percentages of asbestos (i.e., chrysotile, amosite, crocidolite, or other) and non-asbestos (i.e., cellulose, fiberglass, synthetic, or other) components.

The analytical results of the samples collected during the asbestos inspection are summarized on the Asbestos Inspection and Assessment Summary in Attachment D. This summary includes where the material is located, material color, material description, the analytical result, and the estimated quantities of ACM. Estimated abatement costs are included in Attachment E. The Laboratory Analytical Reports are provided in Attachment F. Copies of the asbestos inspector(s) qualifications are included in Attachment G.

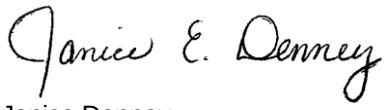
Materials containing asbestos must be removed, handled, transported, and disposed of in accordance with applicable federal, state, and local laws and regulations. Notifications must also be submitted to the proper regulatory agencies prior to starting renovation or demolition work. Regulatory information provided by the Ohio Environmental Protection Agency (OEPA) is provided in Attachment H.

We appreciate the opportunity to offer these services to you. If you have any questions regarding this report, or if we may be of further assistance to you, please contact our office at your earliest convenience.

Respectfully yours,

Michael Lee
Asbestos Field Coordinator
Ohio Asbestos Hazard Evaluation Specialist # ES34954

Reviewed by,



Janice Denney
Environmental Department Manager
Ohio Asbestos Hazard Evaluation Specialist # ES33443

Attachments:

A - Executive Summary
B - Property Information Summary
C - Asbestos Bulk Sample Log
D - Asbestos Inspection and Assessment Summary
E - Asbestos Abatement Cost Estimate
F - Laboratory Analytical Reports
G - Inspector's Qualifications
H - Regulatory Information

ATTACHMENT A

Executive Summary

Executive Summary

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Summary of Materials Containing Asbestos

Material	Analytical	NESHAP	RACM	Estimated Quantity	Unit of Measure
Paper Pipe Wrap	55% Chrysotile	Friable	Yes	25	Linear Feet
Paper HVAC Duct Wrap	55% Chrysotile	Friable	Yes	310	Square Feet
Window/Door Frame Caulking	0.96% Chrysotile	NA	No	NA	NA

Recommendations

General Inspection Notes

None

General Recommendations

OSHA regulations must be followed during demolition activities involving friable and non-friable materials containing asbestos, regardless of percent content. This includes materials containing less than 1% asbestos.

Asbestos abatement (removal) of Regulated Asbestos Containing Materials (RACM) listed above is required.

Is Confirmed/Assumed ACM Assessable for Abatement? Yes, With the Following Limiting Factors:
Most of the paper HVAC duct wrap is located behind plaster walls on the 1st and 2nd floors.

ATTACHMENT B

Property Information Summary

Property Information Summary

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Property Information

Property Type: Apartment **Number of Floors:** 2

Total Number of Structures on Property: 1 **Date of Inspection:** 07/13/13

Structure Has: Attic
Basement
Crawlspace

Other Structures on Property: Not Applicable

Where All Areas Accessible for Inspection? Yes

Inspector Information

The following Ohio Department of Health certified Asbestos Hazard Evaluation Specialist(s) collected the bulk samples from the Project Site, which were analyzed by a NVLAP accredited laboratory for asbestos content:

Name of Inspector	Certification No.	Expiration Date	Signature
Michael B. Lee	ES34954	3/10/2014	Ohio Asbestos Hazard Evaluation Specialist
Jeremy M. Shock	ES34468	10/17/2013	Ohio Asbestos Hazard Evaluation Specialist

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ATTACHMENT C

Asbestos Bulk Sample Log

Asbestos Bulk Sample Log

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Sample Number	Collection Date	Type	Description	Color	Sample Location	Collected By
E018-OH - 25 - 2 - 1	7/13/2013	Pipe Wrap Insulation	On Pipes	Gray	Basement	Lee/Shock
E018-OH - 25 - 2 - 2	7/13/2013	HVAC Duct Insulation	On Metal HVAC Ducts	Gray	2nd Floor, East Wall	Lee/Shock
E018-OH - 25 - 2 - 3	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, East	Lee/Shock
E018-OH - 25 - 2 - 4	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, East	Lee/Shock
E018-OH - 25 - 2 - 5	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, West	Lee/Shock
E018-OH - 25 - 2 - 6	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, West	Lee/Shock
E018-OH - 25 - 2 - 7	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	1st Floor, West	Lee/Shock
E018-OH - 25 - 2 - 8	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	1st Floor, West	Lee/Shock
E018-OH - 25 - 2 - 9	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	1st Floor, East	Lee/Shock
E018-OH - 25 - 2 - 10	7/13/2013	Roofing Shingle/Tar Paper	Roofing Shingle/Tar Paper	Red/Black	Roof	Lee/Shock
E018-OH - 25 - 2 - 11	7/13/2013	Roofing Shingle/Tar Paper	Roofing Shingle/Tar Paper	Red/Black	Roof	Lee/Shock
E018-OH - 25 - 2 - 12	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	Brown and Black	2nd Floor, West Kitchen	Lee/Shock
E018-OH - 25 - 2 - 13	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	Brown and Black	2nd Floor, West Bathroom	Lee/Shock
E018-OH - 25 - 2 - 14	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	White	2nd Floor, East Kitchen	Lee/Shock
E018-OH - 25 - 2 - 15	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	White	2nd Floor, West Kitchen	Lee/Shock
E018-OH - 25 - 2 - 16	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles (2 Layers)	White/White	1st Floor, East Bathroom	Lee/Shock
E018-OH - 25 - 2 - 17	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles (2 Layers)	White/White	1st Floor, East Bathroom	Lee/Shock
E018-OH - 25 - 2 - 18	7/13/2013	Hard Plaster	Hard Plaster	White Gray	2nd Floor, SW Room	Lee/Shock
E018-OH - 25 - 2 - 19	7/13/2013	Hard Plaster	Hard Plaster	White Gray	2nd floor, NW Room	Lee/Shock
E018-OH - 25 - 2 - 20	7/13/2013	Hard Plaster	Hard Plaster	White Gray	2nd Floor Hall	Lee/Shock
E018-OH - 25 - 2 - 21	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	1st Floor South	Lee/Shock

Asbestos Bulk Sample Log

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Sample Number	Collection Date	Type	Description	Color	Sample Location	Collected By
E018-OH - 25 - 2 - 22	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	1st Floor, West	Lee/Shock
E018-OH - 25 - 2 - 23	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	1st Floor West	Lee/Shock
E018-OH - 25 - 2 - 24	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	2nd Floor, West	Lee/Shock
E018-OH - 25 - 2 - 25	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	2nd Floor, South	Lee/Shock
E018-OH - 25 - 2 - 26	7/13/2013	Window/Door Caulking	Window/Door Caulking	Tan	2nd Floor Window	Lee/Shock
E018-OH - 25 - 2 - 27	7/13/2013	Window/Door Caulking	Window/Door Caulking	Tan	2nd Floor Window	Lee/Shock

ATTACHMENT D

Asbestos Inspection and Assessment Summary

Asbestos Inspection and Assessment Summary

Materials Containing Asbestos
NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Homogeneous Area	Type	Material	Material Description	Color	Condition	NESHAP Category	Friable?	Locations	Estimated Amount of Accessible Material	Unit of Measure	Estimated Amount of Inaccessible Material	Unit of Measure	Analytical Result	RACM?	Sample Number(s) Collected
1A	TSI	Paper Pipe Wrap	On Pipes	Gray	Fair	Friable	Yes	Basement/Crawlspace	25	Linear Feet	0	Linear Feet	55% Chrysotile	Yes	E018-OH-25-2-1
2A	TSI	Paper HVAC Duct Wrap	On Metal HVAC Ducts	Gray	Fair	Friable	Yes	Basement and Inside Walls on Upper Floors	10	Square Feet	300	Square Feet	55% Chrysotile	Yes	E018-OH-25-2-2
10A	Miscellaneous	Window/Door Frame Caulking	Window/Door Frame Caulking	Tan	Fair	NA	No	Throughout Building	NA	NA	NA	NA	0.96% Chrysotile	No	E018-OH-25-2-26 E018-OH-25-2-27

Note: The unit of measurement representing the greatest numerical quantity has been selected for pipe insulation quantification.

*See note on Executive Summary in Attachment A.

ATTACHMENT E

Asbestos Abatement Cost Estimate

Asbestos Abatement Cost Estimate

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Summary of Materials Containing Asbestos

Material Description	HA	Analytical Result	NESHAP Category	Estimated Amount of Assessable Material	Unit of Measure	Unit Cost for Abatement	Estimated Abatement Cost for Assessable Material	Estimated Amount of Inaccessible Material	Unit of Measure	Unit Cost for Abatement	Estimated Abatement Cost for Inaccessible Material	Total Estimated Abatement Cost	RACM?
Paper Pipe Wrap	1A	55% Chrysotile	Friable	25	Linear Feet	12.00	300.00	0	Linear Feet	12.00	$0.00	$300.00	Yes
Paper HVAC Duct Wrap	2A	55% Chrysotile	Friable	10	Square Feet	12.00	120.00	300	Square Feet	12.00	$3,600.00	$3,720.00	Yes

Abatement Cost Estimate Summary

Removal of all friable ACM:	
Estimated Number of 8 Hour Work Days to Complete Abatement:	**2**
Estimated Cost of Asbestos Hazard Abatement Contractor's Services:	$4,020.00
Estimated Cost of Professional Asbestos Consulting Services:	$1,600.00
Combined Total Cost:	$5,620.00
Removal of all non-friable materials likely to become friable during demolition:	
Estimated Number of 8 Hour Work Days to Complete Abatement:	**0**
Estimated Cost of Asbestos Hazard Abatement Contractor's Services:	$0.00
Estimated Cost of Professional Asbestos Consulting Services:	$0.00
Combined Total Cost:	$0.00
Removal of all non-friable materials:	
Estimated Number of 8 Hour Work Days to Complete Abatement:	**0**
Estimated Cost of Asbestos Hazard Abatement Contractor's Services:	$0.00
Estimated Cost of Professional Asbestos Consulting Services:	$0.00
Combined Total Cost:	$0.00
Removal of all ACM:	
Estimated Number of 8 Hour Work Days to Complete Abatement:	**2**
Estimated Cost of Asbestos Hazard Abatement Contractor's Services:	$4,020.00
Estimated Cost of Professional Asbestos Consulting Services:	$1,600.00
Combined Total Cost:	$5,620.00

These costs are etimates only and are based on current condition of material. Actual costs may vary.

ATTACHMENT F

Laboratory Analytical Reports

SCHNEIDER LABORATORIES GLOBAL

INCORPORATED

2512 W. Cary Street • Richmond, Virginia • 23220-5117
804-353-6778 • 800-785-LABS (5227) • (FAX) 804-359-1475

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AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORT

Asbestos Identification by EPA Method[1] 600/R-93/116, EPA 600/M4-82-020

ACCOUNT #:	4432-13-174	**DATE COLLECTED:**	7/13/2013
CLIENT:	TesTech Inc.	**DATE RECEIVED:**	7/16/2013
ADDRESS:	8534 Yankee Street Suite 2C	**DATE ANALYZED:**	7/18/2013
	Dayton, OH 45458	**DATE REPORTED:**	7/18/2013
PROJECT NAME:	NAP 2012 Com Asb Sur		
JOB LOCATION:	NOP 25 - 939 Xenia		
PROJECT NO.:	E018-OH		
PO NO.:	E018-OH	**SampleType:**	BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results: Asbestos Fibers	PLM Analysis Results: Other Materials
E018-OH-25-2-1	31954159	Basement		
Layer 1:		Pipe Material Gray, Fibrous	55.00% CHRYSOTILE	35% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
E018-OH-25-2-2	31954160	2nd Floor East Wall		
Layer 1:		Duct Material Gray, Fibrous	55.00% CHRYSOTILE	35% CELLULOSE FIBER 10% NON FIBROUS MATERIAL
E018-OH-25-2-3	31954161	2nd Floor East		
Layer 1:		Drywall White, Powdery	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:		Joint Compound White, Granular	None Detected	100% NON FIBROUS MATERIAL
Layer 3:		Drywall/Joint Cmpd White, Powdery/Granular	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory. Visit www.slabinc.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement. The EPA states that any asbestos found in vermiculite is a concern and the sample should be treated as asbestos containing material.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results: Asbestos Fibers	PLM Analysis Results: Other Materials
E018-OH-25-2-4	31954162	2nd Floor East		
Layer 1:		Drywall White, Powdery	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:		Joint Compound White, Granular	None Detected	100% NON FIBROUS MATERIAL
Layer 3:		Drywall/Joint Cmpd White, Powdery/Granular	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
E018-OH-25-2-5	31954163	2nd Floor West		
Layer 1:		Drywall White, Powdery	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:		Joint Compound White, Granular	None Detected	100% NON FIBROUS MATERIAL
Layer 3:		Drywall/Joint Cmpd White, Powdery/Granular	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
E018-OH-25-2-6	31954164	2nd Floor West		
Layer 1:		Drywall White, Powdery	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:		Joint Compound White, Granular	None Detected	100% NON FIBROUS MATERIAL
Layer 3:		Drywall/Joint Cmpd White, Powdery/Granular	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
E018-OH-25-2-7	31954165	1st Floor West		
Layer 1:		Drywall White, Powdery	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:		Joint Compound White, Granular	None Detected	100% NON FIBROUS MATERIAL

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
Layer 3:		Drywall/Joint Cmpd White, Powdery/Granular	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
E018-OH-25-2-8	31954166	1st Floor West		
Layer 1:		Drywall White, Powdery	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:		Joint Compound White, Granular	None Detected	100% NON FIBROUS MATERIAL
Layer 3:		Drywall/Joint Cmpd White, Powdery/Granular	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
E018-OH-25-2-9	31954167	1st Floor East		
Layer 1:		Drywall White, Powdery	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
Layer 2:		Joint Compound White, Granular	None Detected	100% NON FIBROUS MATERIAL
Layer 3:		Drywall/Joint Cmpd White, Powdery/Granular	None Detected	4% CELLULOSE FIBER 96% NON FIBROUS MATERIAL
E018-OH-25-2-10	31954168	Roof		
Layer 1:		Roof Shingle Red/Black, Bituminous	None Detected	20% MINERAL/GLASS WOOL 80% NON FIBROUS MATERIAL
Layer 2:		Tar Paper Black, Bituminous/Fibrous	None Detected	55% CELLULOSE FIBER 10% NON FIBROUS MATERIAL 35% SYNTHETIC FIBER
E018-OH-25-2-11	31954169	Roof		
Layer 1:		Roof Shingle Red/Black, Bituminous	None Detected	20% MINERAL/GLASS WOOL 80% NON FIBROUS MATERIAL
Layer 2:		Tar Paper Black, Bituminous/Fibrous	None Detected	55% CELLULOSE FIBER 15% NON FIBROUS MATERIAL 30% SYNTHETIC FIBER

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Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
E018-OH-25-2-12	31954170	2nd Floor West Kitchen		
Layer 1:		Floor Tile Brown, Rubbery	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-13	31954171	2nd Floor West Bathroom		
Layer 1:		Floor Tile Brown, Rubbery	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-14	31954172	2nd Floor East Kitchen		
Layer 1:		Floor Tile White, Organically Bound	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-15	31954173	2nd Floor West Kitchen		
Layer 1:		Floor Tile White, Organically Bound	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-16	31954174	1st Floor East Bathroom		
Layer 1:		Floor Tile White, Organically Bound	None Detected	100% NON FIBROUS MATERIAL
Layer 2:		Floor Tile White, Organically Bound	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-17	31954175	1st Floor East Bathroom		
Layer 1:		Floor Tile White, Organically Bound	None Detected	100% NON FIBROUS MATERIAL
Layer 2:		Floor Tile White, Organically Bound	None Detected	100% NON FIBROUS MATERIAL

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Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement. The EPA states that any asbestos found in vermiculite is a concern and the sample should be treated as asbestos containing material.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results	
			Asbestos Fibers	Other Materials
E018-OH-25-2-18	31954176	2nd Floor SW Room		
Layer 1:		Plaster White/Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-19	31954177	2nd Floor NW Room		
Layer 1:		Plaster White/Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-20	31954178	2nd Floor Hall		
Layer 1:		Plaster White/Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-21	31954179	1st Floor Soutth		
Layer 1:		Stucco White/Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-22	31954180	1st Floor West		
Layer 1:		Stucco White/Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-23	31954181	1st Floor West		
Layer 1:		Stucco White/Gray, Granular	None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-24	31954182	2nd Floor West		
Layer 1:		Stucco White/Gray, Granular	None Detected	100% NON FIBROUS MATERIAL

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory. Visit www.slabinc.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement. The EPA states that any asbestos found in vermiculite is a concern and the sample should be treated as asbestos containing material.

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results Asbestos Fibers	Other Materials
E018-OH-25-2-25	31954183	2nd Floor South		
Layer 1:	Stucco White/Gray, Granular		None Detected	100% NON FIBROUS MATERIAL
E018-OH-25-2-26	31954184	2nd Floor Window		
Layer 1:	Caulking Tan, Soft		5.00% CHRYSOTILE	95% NON FIBROUS MATERIAL
E018-OH-25-2-27	31954185	2nd Floor Window		
Layer 1:	Caulking Tan, Soft		5.00% CHRYSOTILE	95% NON FIBROUS MATERIAL

Analyst: **SAMANI ABDELFADIEL**

Reviewed By: **Johnathan Wilson, Analyst**

Total Number of Pages in Report: 6

Results relate only to samples as received by the laboratory. Visit www.slabinc.com for current certifications.

Samples analyzed by the EPA Test Method are subject to the limitations of light microscopy including matrix interference. Gravimetric reduction and correlative analyses are recommended for all non-friable, organically bound materials. This method has a reporting limit of 1% or greater. Visual estimation contains an inherent range of uncertainty. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other gov't agency endorsement. The EPA states that any asbestos found in vermiculite is a concern and the sample should be treated as asbestos containing material.

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2512 West Cary Street, Richmond, Virginia 23220-5117
804-353-6778 • 800-785-LABS (5227) • Fax 804-359-1475
www.slabinc.com e-mail: info@slabinc.com

WorkOrderKey V : \ 965 \ 965580

Submitting Co.	TesTech, Inc.	Lab Use-WO #	4432.13.174
		Acct #	4432
Phone #	937-251-8624		
Fax # & E-mail	937-291-6549 Lee@testechinc.com		

Project Name:	NAP 2012 Commercial Asbestos Survey
Project Location:	NOP 25 - 939 Xenia Avenue
Project Number:	E018-OH
PO Number:	

Special Instructions [include requests for special reporting or data package]: See Attached Bulk Sample Log

State Of Collection: Ohio

Turn Around Time

- ☐ 2 hours*
- ☐ Same day*
- ☐ 1 business day*
- ☒ 2 business day*
- ☐ 3 business days*
- ☐ 5 business days*
- ☐ Full TCLP (10d)
- ☐ Weekend*

* not available for all tests

Schedule rush organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE)

All samples on form should be of SAME matrix type. Use additional forms as needed.

☐ Air	☐ Solid
☐ Aqueous	☐ Waste
☒ Bulk	☐ Wastewater
☐ Hi-Vol Filter (PM10)	☐ Water,Drinking
☐ Hi-Vol Filter (TSP)	☐ Compliance
☐ Oil	☐ Wipe
☐ Paint	☐ Wipe, Composite
☐ Sludge	☐ _____
☐ Soil	☐

Tests / Analytes (Select ALL that Apply)

Asbestos Air / Fiber Counts

- ☐ PCM (NIOSH 7400)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II)
- ☐ _____

Miscellaneous Tests

- ☐ Total Dust (NIOSH 0500)
- ☐ Resp. Dust (NIOSH 0600)
- ☐ Silica - FTIR (NIOSH 7602)
- ☐ Silica - XRD (NIOSH 7500)
- ☐ _____

Asbestos Bulk / Asb ID

- ☒ PLM (EPA 600/R-93/116)
- ☐ PLM (EPA Point Count)
- ☐ PLM (Qualitative only)
- ☐ NYELAP 198.1/.4/.6
- ☐ CAELAP (EPA Interim)
- ☐ TEM (Chatfield)
- ☐ _____

FOR ASBESTOS AIR:

TYPE OF RESPIRATOR USED:

Metals-Total Conc.

- ☐ Lead
- ☐ RCRA Metals
- ☐ _____
- ☐ _____

Metals-Extract

- ☐ TCLP / Lead
- ☐ TCLP / RCRA Metals
- ☐ TCLP / Full (w/ organics)

Others

- ☐ _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type[1] A,B,P,E	Time[2] Start	Time[2] Stop	Flow Rate[3] Start	Flow Rate[3] Stop	Total[4] Air Vol

[1]Type: A=area B=blank P=personal E=excursion [2]Beginning/End of Sample Period [3]Pump Calibration in Liters/Minute [4]Volume in Liters [time in min * flow in L/min]

Sampled by NAME	Michael Lee
SIGNATURE	Michael Lee
DATE/TIME	7/13/13 @ 12:00
Relinquished to lab by NAME	Michael Lee
SIGNATURE	Michael Lee
DATE/TIME	7/13/13 @ 13:00

☐ Sample return requested ☐ Ambient temp ☐ Ice °C pH Cl ☐R ☐S ☐X

7/16/13 9:30

☒ FX ☐ UPS ☐ USM ☐ HD ☐ DB

WB: 1520

Chain-of-Custody documentation continued internally within lab. Terms and conditions

TESTECH

Asbestos Bulk Sample Log

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Sample Number	Collection Date	Type	Description	Color	Sample Location	Collected By
E018-OH - 25 - 2 - 1	7/13/2013	Pipe Wrap Insulation	On Pipes	Gray	Basement	Lee/Shock
E018-OH - 25 - 2 - 2	7/13/2013	HVAC Duct Insulation	On Metal HVAC Ducts	Gray	2nd Floor, East Wall	Lee/Shock
E018-OH - 25 - 2 - 3	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, East	Lee/Shock
E018-OH - 25 - 2 - 4	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, East	Lee/Shock
E018-OH - 25 - 2 - 5	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, West	Lee/Shock
E018-OH - 25 - 2 - 6	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	2nd Floor, West	Lee/Shock
E018-OH - 25 - 2 - 7	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	1st Floor, West	Lee/Shock
E018-OH - 25 - 2 - 8	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	1st Floor, West	Lee/Shock
E018-OH - 25 - 2 - 9	7/13/2013	Texture/Drywall/Joint Compound	Texture/Drywall/Joint Compound	White/White/White	1st Floor, East	Lee/Shock
E018-OH - 25 - 2 - 10	7/13/2013	Roofing Shingle/Tar Paper	Roofing Shingle/Tar Paper	Red/Black	Roof	Lee/Shock
E018-OH - 25 - 2 - 11	7/13/2013	Roofing Shingle/Tar Paper	Roofing Shingle/Tar Paper	Red/Black	Roof	Lee/Shock
E018-OH - 25 - 2 - 12	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	Brown and Black	2nd Floor, West Kitchen	Lee/Shock
E018-OH - 25 - 2 - 13	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	Brown and Black	2nd Floor, West Bathroom	Lee/Shock
E018-OH - 25 - 2 - 14	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	White	2nd Floor, East Kitchen	Lee/Shock
E018-OH - 25 - 2 - 15	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles	White	2nd Floor, West Kitchen	Lee/Shock
E018-OH - 25 - 2 - 16	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles (2 Layers)	White/White	1st Floor, East Bathroom	Lee/Shock
E018-OH - 25 - 2 - 17	7/13/2013	Self Adhesive Floor Tile	12" X 12" Tiles (2 Layers)	White/White	1st Floor, East Bathroom	Lee/Shock
E018-OH - 25 - 2 - 18	7/13/2013	Hard Plaster	Hard Plaster	White Gray	2nd Floor, SW Room	Lee/Shock
E018-OH - 25 - 2 - 19	7/13/2013	Hard Plaster	Hard Plaster	White Gray	2nd floor, NW Room	Lee/Shock
E018-OH - 25 - 2 - 20	7/13/2013	Hard Plaster	Hard Plaster	White Gray	2nd Floor Hall	Lee/Shock
E018-OH - 25 - 2 - 21	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	1st Floor South	Lee/Shock

TESTECH

Asbestos Bulk Sample Log

NAP 2012 Commercial Asbestos Survey
939 Xenia Avenue, Dayton, Ohio 45410
City Contract #: CT12-0364
Notice of Possession #: 25, City Lot #: 10064
TesTech Project Number: E018-OH

Sample Number	Collection Date	Type	Description	Color	Sample Location	Collected By
E018-OH - 25 - 2 - 22	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	1st Floor, West	Lee/Shock
E018-OH - 25 - 2 - 23	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	1st Floor West	Lee/Shock
E018-OH - 25 - 2 - 24	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	2nd Floor, West	Lee/Shock
E018-OH - 25 - 2 - 25	7/13/2013	Stucco	Stucco Exterior Wall	White/Gray	2nd Floor, South	Lee/Shock
E018-OH - 25 - 2 - 26	7/13/2013	Window/Door Caulking	Window/Door Caulking	Tan	2nd Floor Window	Lee/Shock
E018-OH - 25 - 2 - 27	7/13/2013	Window/Door Caulking	Window/Door Caulking	Tan	2nd Floor Window	Lee/Shock

SCHNEIDER LABORATORIES GLOBAL

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AIHA/ELLAP 100527, ISO/IEC 17025, NVLAP 101150-0, VELAP 460135, NYELAP/NELAC 11413

LABORATORY ANALYSIS REPORT

Asbestos Identification by Polarized Light Microscopy with EPA Point Count[1]

ACCOUNT #: 4432-13-178
CLIENT: TesTech Inc.
ADDRESS: 8534 Yankee Street Suite 2C
Dayton, OH 45458
PROJECT NAME: NAP 2012 Com Asb Sur
JOB LOCATION: NOP 25-939 Xenia Ave
PROJECT NO.: E018-OH
PO NO.:

DATE COLLECTED: 7/13/2013
DATE RECEIVED: 7/19/2013
DATE ANALYZED: 7/24/2013
DATE REPORTED: 7/24/2013

SampleType: BULK

Client Sample No.	SLI Sample/ Layer ID	Sample Identification/ Layer Name	PLM Analysis Results: Asbestos Fibers	PLM Analysis Results: Other Materials
E018-OH-25-2-26	31959367	2nd Floor Window		
Layer 1:		Caulking Tan, Soft, Homogenous	0.96% CHRYSOTILE	37.58% ACID INSOL INORGANIC 44.08% ORGANIC COMPONENT 17.38% ACID SOL INORGANIC
E018-OH-25-2-27	31959368	2nd Floor Window		
Layer 1:		Caulking Tan, Soft, Homogenous	0.67% CHRYSOTILE	26.17% ACID INSOL INORGANIC 26.85% ORGANIC COMPONENT 46.31% ACID SOL INORGANIC

Analyst: **SAMANI ABDELFADIEL**

Reviewed By: **Mohammed Hashim, Assistant Manager**

Total Number of Pages in Report: 1

Results relate only to samples as received by the laboratory.

Visit www.slabinc.com for current certifications.

Samples analyzed by the EPA Point Count test method. Samples analyzed by the EPA Test Method are subject to the inherent limitations of polarized light microscopy including matrix interference. This method has a reporting limit of <0.25% for friable samples. The limit for non-friable, organically bound samples is <0.01%. This report must not be reproduced except in full with the approval of the lab, and must not be used to claim NVLAP or other government agency endorsement.

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www.slabinc.com e-mail: info@slabinc.com

WorkOrderKey V : \ 966 \ 966457

Submitting Co.	TesTech, Inc.	Lab Use-WO #	4482.13.178
		Acct #	4432
		Phone #	937-251-8624
		Fax # & E-mail	937-291-6549 Lee@testechinc.com

Project Name:	NAP 2012 Commercial Asbestos Survey
Project Location:	NOP 25 - 939 Xenia Avenue
Project Number:	E018-OH
PO Number:	

Special Instructions (include requests for special reporting or data packages): See Attached Bulk Sample Log

State Of Collection: Ohio

Turn Around Time:
- ☐ 2 hours*
- ☐ Same day*
- ☐ 1 business day*
- ☒ 2 business day*
- ☐ 3 business days*
- ☐ 5 business days*
- ☐ Full TCLP (10d)
- ☐ Weekend*

* not available for all tests

Schedule for organics, multi-metals & weekend tests in advance.

Matrix / Sample Type (Select ONE)

All samples on form should be of SAME matrix type. Use additional forms as needed.

☐ Air	☐ Solid
☐ Aqueous	☐ Waste
☒ Bulk	☐ Wastewater
☐ Hi-Vol Filter (PM10)	☐ Water,Drinking
☐ Hi-Vol Filter (TSP)	☐ Compliance
☐ Oil	☐ Wipe
☐ Paint	☐ Wipe, Composite
☐ Sludge	☐ _____
☐ Soil	☐

Tests / Analytes (Select ALL that Apply)

Asbestos Air / Fiber Counts
- ☐ PCM (NIOSH 7400)
- ☐ TEM (AHERA)
- ☐ TEM (EPA Level II)
- ☐ _____

Miscellaneous Tests
- ☐ Total Dust (NIOSH 0500)
- ☐ Resp. Dust (NIOSH 0600)
- ☐ Silica - FTIR (NIOSH 7602)
- ☐ Silica - XRD (NIOSH 7500)
- ☐

Asbestos Bulk / Asb ID
- ☒ PLM (EPA 600/R-93/116)
- ☐ PLM (EPA Point Count)
- ☐ PLM (Qualitative only)
- ☐ NYELAP 198.1/.4/.6
- ☐ CAELAP (EPA Interim)
- ☐ TEM (Chatfield)
- ☐ _____

FOR ASBESTOS AIR:
TYPE OF RESPIRATOR USED:

Metals-Total Conc.
- ☐ Lead
- ☐ RCRA Metals
- ☐ _____
- ☐ _____

Metals-Extract
- ☐ TCLP / Lead
- ☐ TCLP / RCRA Metals
- ☐ TCLP / Full (w/ organics)

Others
- ☐ _____

Sample #	Date Sampled	Time Sampled	Sample Identification (e.g. Employee, SSN, Bldg, Material)	Wiped Area (ft²)	Type[1] A,B,P,E	Time[2] Start	Time[2] Stop	Flow Rate[3] Start	Flow Rate[3] Stop	Total[4] Air Vol

[1]Type: A=area B=blank P=personal E=excursion [2]Beginning/End of Sample Period [3]Pump Calibration in Liters/Minute [4]Volume in Liters [time in min * flow in L/min]

Sampled by	Relinquished to lab by
NAME Michael Lee	NAME Michael Lee
SIGNATURE	SIGNATURE
DATE/TIME 7/13/13 @ 12:00	DATE/TIME 7/13/13 @ 13:00

☐ FX ☐ UPS ☐ USM ☐ HD ☐ DB

WB: 1520

7/16/13 9:23

☐ Sample return requested ☐ Ambient temp ☐ Ice °C pH Cl ☐R ☐S ☐X

Chain-of-Custody documentation continued internally within lab. Terms and conditions

ATTACHMENT G

Inspector's Qualifications

OHIO DEPARTMENT OF HEALTH

246 North High Street
Columbus, Ohio 43215

614/466-3543
www.odh.ohio.gov

John R. Kasich/Governor

Theodore E. Wymyslo, M.D./Director of Health

September 21, 2012

Jeremy M Shock
2410 Fuls Road
Farmersville OH 45325

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES34468
Expiration Date: 10/17/2013

Dear Jeremy M Shock:

This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Adminstrative Code.

If you have any questions, please call Adria Goodwin, Licensure Specailist, at 614-644-0226.

Sincerely,

Bridgette C. Smith
Licensure Program Administrator
Bureau of Information and Operational Support

The InService Training Network

Asbestos Building Inspector
Refresher Course

Jeremy Shock

has successfully completed the Asbestos Building Inspector Refresher Course and passed by at least 70%
the course examination for accreditation under Section 206 of the Toxic Substance Control Act, Title II, and Indiana 326 IAC 18-2
Provided by: The InService Training Network, Inc., 6813 Flags Center, Columbus, OH 43229 (614) 895-9323

Course Dates: August 1, 2012

Course Director: Kurt Varga

Expiration Date: August 1, 2013

Examination Date: August 1, 2012

Course Location: Columbus, Ohio

Certificate Number: ITN-IR-4751

The InService Training Network

Asbestos Management Planner
Refresher Course

Jeremy Shock

has successfully completed the Asbestos Management Planner Refresher Course and passed by at least 70%
the course examination for accreditation under Section 206 of the Toxic Substance Control Act, Title II, and Indiana 326 IAC 18-2
Provided by: The InService Training Network, Inc., 6813 Flags Center, Columbus, OH 43229 (614) 895-9323

Course Dates: **August 1, 2012**

Examination Date: **August 1, 2012**

Course Director: Kurt Varga

Course Location: **Columbus, Ohio**

Expiration Date: **August 1, 2013**

Certificate Number: **ITN-MR-4751**

OHIO DEPARTMENT OF HEALTH

246 North High Street
Columbus, Ohio 43215

614/466-3543
www.odh.ohio.gov

John R. Kasich/Governor

Theodore E. Wymysło, M.D./Director of Health

February 13, 2013

Michael B Lee
2574 Crestwell Place
Kettering OH 45420

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES34954
Expiration Date: 03/10/2014

Dear Michael B Lee:

This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of Health for violation of any of the requirements of 3701-34 of the Ohio Adminstrative Code.

If you have any questions, please call Charlene W. Valentine, Licensure Specailist, at 614-644-0226.

Sincerely,

Bridgette C. Smith
Licensure Program Administrator
Bureau of Information and Operational Support

The InService Training Network

Asbestos Building Inspector and Management Planner Refresher Courses

Michael Lee

has successfully completed the Asbestos Building Inspector and Management Planner Refresher Courses and passed by at least 70% the course examinations for accreditation under Section 206 of the Toxic Substance Control Act, Title II, and Indiana 326 IAC 18-2
Provided by: The InService Training Network, Inc., 6813 Flags Center, Columbus, OH 43229 (614) 895-9323

Course Dates: December 12, 2012

Course Director: Kurt Varga

Expiration Date: December 12, 2013

Examination Date: December 12, 2012

Course Location: Columbus, Ohio

Certificate Numbers: ITN-IR -4862 & MP-4862

LITHO IN U.S.A.

ATTACHMENT H

Regulatory Information

Ohio Environmental Protection Agency

Office of Compliance Assistance and Pollution Prevention

March 2012

Understanding the Asbestos Notification Requirements for Facility Demolition and Renovation Activities

Introduction

In 1990, Ohio EPA adopted regulations in Ohio Administrative Code (OAC) 3745-20 for controlling asbestos emissions from demolition and renovation projects. In 2002, these regulations were updated to be consistent with U.S. EPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) standards for asbestos.

The regulations require that contractors do several things, such as provide a notification, conduct thorough inspections to determine the presence of asbestos, follow specific work practices and ensure proper disposal of asbestos-containing material.

As a contractor, it is very important that you are aware of and in compliance with these requirements at your work sites. Non compliance can mean violations and a penalty for your business. The focus of this fact sheet is the notification requirement for demolition and renovation activities.

In 2003, a demolition contractor in Northeast Ohio was fined $7,000 for failing to complete an asbestos notification.

Demolition and renovation activities at a facility

Under the regulations, you are required to notify Ohio EPA if you are conducting demolition or renovation activities at a facility. A facility is any institutional, commercial, public or industrial structure, or any operation involving the renovation/demolition of multiple residential structures identified by an owner or operator within a scheduled period of time. A ship or any active or inactive waste disposal site is also considered a facility.

The definition of facility also includes some residential structures, such as condominiums or individual dwelling units that are operated as a residential cooperative. Activities at residential buildings that have four or fewer dwelling units do not require notification, unless the units are part of a larger installation, as described later in this fact sheet.

What is the difference between demolishing a facility and renovating it?

Demolition and *renovation* are defined in the regulations. You demolish a facility when you remove or wreck any load-supporting structural member of that facility or perform any related operations. You also demolish a facility when you

burn it. You renovate a facility when you alter any part of that facility in any other manner. Renovation also includes stripping or removing asbestos from a facility.

If I renovate several two-family units, are the units defined as a facility?

A residential building with four or fewer dwelling units is not considered a facility, unless it is part of a larger installation. Examples of what may be considered part of a larger installation include, but are not limited to:

- an army base;
- company housing;
- apartment or housing complex;

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Columbus, Ohio 43216-1049
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- homes which are demolished as part of an urban renewal project, a highway construction project or a project to develop a shopping mall; and
- an apartment which is an integral part of a commercial facility.

Do demolition and renovation activities at a private, single-family residence require notification?

For most situations, no. However, if you are converting a single-family home into a nonresidential structure, the renovation requires notification. For example, if someone buys a house and converts it into a store, the renovation must be done in compliance with the asbestos regulations.

**** IMPORTANT ****

All demolitions at a facility require notification, even if no asbestos is present.

What is the asbestos notification process and when is it submitted?

A notification is a written notice of the intent to renovate or demolish. Some contractors are not aware that every demolition project at a facility requires an asbestos notification, regardless of whether asbestos is involved.

The notification requirement is different for facility renovation activities and is dependent upon the amount of regulated asbestos-containing material (RACM) at the site. For renovations, a notification must be submitted if the amount of RACM disturbed exceeds 260 linear feet on pipes, 160 square feet on other facility components or 35 cubic feet off facility components.

Ohio EPA has developed one notification form that is used for either demolition or renovation activities. The form must contain information such as the project's scheduled start and end date, the site location, the names of operators or asbestos removal contractors, methods of removal and the amount of asbestos.

The notification must be sent by mail (postmarked) or hand-delivered at least 10 working days (Monday-Friday excluding weekends) before operations begin. The notification form goes to either the Ohio EPA district office or local air pollution control office in your area. Phone and fax notifications are not acceptable for original notification.

If information in the initial notification changes, you may be required to inform the local office of these changes by phone or fax and send in an amended written notification. The amended notification must be sent no later than one working day following discovery of the change. Examples of changes requiring amended written notification are:

- when the amount of regulated asbestos-containing material affected by the demolition or renovation operations changes by at least 20 percent;
- any deviation in the methods to be used for asbestos removal or disposal;
- any change in the owner or operator;
- any change in the name and location of the selected waste disposal site; and
- any change in dates of asbestos stripping or removal operation or demolition operation.

For an emergency demolition or renovation project, notification must be made as soon as possible but no later than the following day.

Emergency demolition means any demolition operation conducted under a written order issued by a state or local governmental agency because a facility is structurally unsound and in danger of imminent collapse. Emergency renovation means a renovation operation that was not planned but results from a sudden, unexpected event that, if not immediately attended to, presents a safety or public health hazard, is necessary to protect equipment from damage, or is necessary to avoid imposing an unreasonable financial burden.

Understanding the Asbestos Notification Requirements for Facility Demolition and Renovation Activities

Who is responsible for submitting a notification?

Either the owner of the building or the demolition/renovation contractor can submit the notification. Usually, the two parties decide together who will notify. Either one or both parties can be cited in violation if no or inadequate notification is provided.

What other requirements apply?

It's also important to know that under the Ohio Department of Health (ODH) regulations, you must have a certified asbestos hazard evaluation specialist identify any asbestos-containing material and determine the appropriate asbestos management plan for the site before conducting any renovation or demolition. ODH licenses and certifies companies and individuals involved with asbestos abatement.

For more information, contact the ODH Asbestos Program at (614) 466-0061, or visit the ODH Asbestos Program's website at **www.odh.ohio.gov/odhPrograms/dspc/asbes1/asbestos1.aspx**.

Where can I take Regulated Asbestos Containing Material?

Ohio EPA's Division of Air Pollution Control's (DAPC) website maintains a list of landfills that are permitted to accept regulated asbestos containing material at **www.epa.ohio.gov/dapc/atu/asbestos/asb_land.aspx**.

Additional Resources

U.S. EPA Asbestos website **www.epa.gov/asbestos/**

U.S. Department of Labor, Occupational Safety & Health Administration Asbestos website. **www.osha.gov/SLTC/asbestos/index.html**

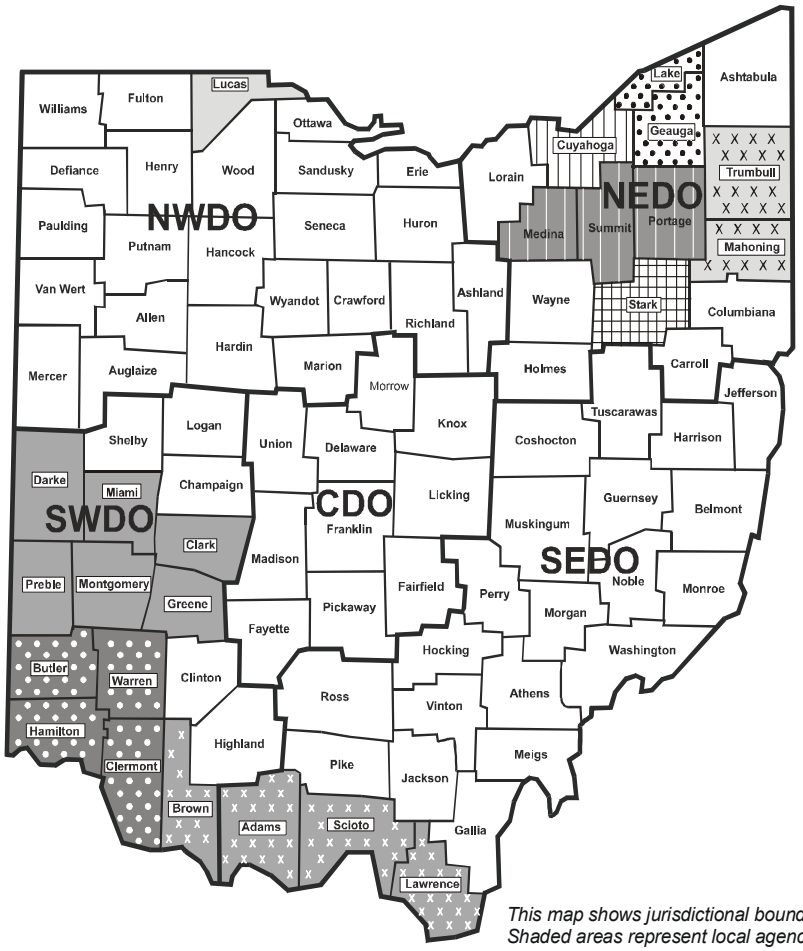
Ohio Department of Health, Asbestos Program website. **www.odh.ohio.gov/odhPrograms/dspc/asbes1/asbestos1.aspx**

Where can I get more help?

Providing the proper notification is just one of many requirements that contractors must follow when working on job sites that may involve asbestos. However, it is an important first step toward compliance. Ohio EPA's notification form and instructions are available through DAPC's website at **www.epa.ohio.gov/dapc/atu/asbestos/asbestos.aspx**.

For more information about the asbestos requirements, including notification, record keeping, waste handling, shipment and emission controls, visit the DAPC website for a copy of the regulations. If you have additional questions, contact your district office or local air agency on page four of this fact sheet.

Asbestos Contact List - District Offices/Local Air Agencies Jurisdiction Map



This map shows jurisdictional boundaries.
Shaded areas represent local agencies within Ohio EPA districts.

District Offices

CDO Central District Office
50 West Town Street, Suite 700
Columbus, OH 43215
(614) 728-3778 FAX (614) 728-3898

SEDO Southeast District Office
2195 Front St.
Logan, OH 43138
(740) 385-8501 FAX (740) 385-6490

NEDO Northeast District Office
2110 E. Aurora Rd.
Twinsburg, OH 44087
(330) 425-9171 FAX (330) 487-0769

NWDO Northwest District Office
347 North Dunbridge Rd.
Bowling Green, OH 43402
(419) 352-8461 FAX (419) 352-8468

SWDO Southwest District Office
401 E. Fifth St.
Dayton, OH 45402-2911
(937) 285-6357 FAX (937) 285-6249

Local Air Pollution Control Agencies

Akron Regional Air Quality Management District
146 South High St, Room 904
Akron, Ohio 44308
(330) 375-2480 FAX (330) 375-2402

Cleveland Dept. of Public Health Division of Air Quality
75 Erieview Plaza, 2nd Floor
Cleveland, Ohio 44114
(216) 664-2297 FAX (216) 420-8047

Portsmouth Local Air Agency
605 Washington St., Third Floor
Portsmouth, Ohio 45662
(740) 353-5156 FAX (740) 353-3638

Air Pollution Control Division Canton City Health Dept.
420 Market Ave. North
Canton, Ohio 44702-1544
(330) 489-3385 FAX (330) 489-3335

Regional Air Pollution Control Agency Montgomery County Health Dept.
117 South Main St.
Dayton, Ohio 45422-1280
(937) 225-4435 FAX (937) 225-3486

City of Toledo Division of Environmental Services
348 South Erie Street
Toledo, Ohio 43604
(419) 936-3015 FAX (419) 936-3959

Southwest Ohio Air Quality Agency
250 William Howard Taft Road
Cincinnati, Ohio 45219-2660
(513) 946-7777 FAX (513) 946-7778

Lake County General Health District Air Pollution Control *
33 Mill Street
Painesville, Ohio 44077
(440) 350-2543 FAX (440) 350-2548

Mahoning-Trumbull APC Agency *
345 Oak Hill Ave., Suite 200
Youngstown, Ohio 44502
(330) 743-3333 FAX (330) 744-1928

**Facilities located within these jurisdictions should file air permit applications with Ohio EPA's Northeast District Office (NEDO).*

03/12