



## *Turn-Key Environmental Consultants, Inc.*

790 Barnhart Rd.  
Troy, OH 45373

714 Monument Ave.  
Dayton, OH 45402

Phone: 937-335-8807  
Fax: 937-339-4882

March 29, 2016

Mr. Dennis Zimmer  
City of Dayton, Division of Housing Inspection  
371 West Second St., 3<sup>rd</sup> Floor  
Dayton, Ohio 45402

RE: Comprehensive Pre-Demolition Asbestos Survey, NOP #27, Vacant Residence, 25-27 N. Philadelphia Street, Dayton, OH, TKEC Project #TK-27D

Dear Mr. Zimmer:

On March 15, 2016, Mr. Joseph Saunders (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist # ES34837) and Mr. Oliver Purcell (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES35952) of Turn-Key Environmental Consultants, Inc. (TKEC) visited the vacant residence located at 25-27 N. Philadelphia Street in Dayton, Ohio (subject property). According to the Montgomery County Auditor information, the subject property is owned by the Montgomery County Land Reutilization Corporation, 451 W. Third St., Dayton, OH 45422. The purpose of the visit was to perform a pre-demolition asbestos survey of the structure to identify asbestos containing materials (ACMs) located in the structure prior to demolition activities being performed.

### **EXECUTIVE SUMMARY**

On March 15, 2016, Mr. Joseph Saunders (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist # ES34837) and Mr. Oliver Purcell (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES35952) of Turn-Key Environmental Consultants, Inc. (TKEC) performed a comprehensive pre-demolition asbestos inspection of the vacant residence located at 25-27 N. Philadelphia Street in Dayton, Ohio. Ten (10) samples of suspect materials were collected from 25 N. Philadelphia Street and twelve (12) samples of suspect materials were sampled from 27 N. Philadelphia Street. The samples were shipped overnight to an accredited laboratory for analysis. Some of the samples were comprised of layers which resulted in the analysis of a total of twenty (20) samples from 25 N Philadelphia Street and twenty-three (23) from 27 N. Philadelphia Street.

The structure 25 N. Philadelphia Street contained approximately 2,790 SF of plaster/skim coat on the walls and approximately 960 SF of plaster/skim coat/texture on the ceilings. Five (5) samples of plaster/skim coat were taken from the walls and three (3) samples of plaster/skim coat/texture were taken from the ceilings.

The structure 27 N. Philadelphia Street contained approximately 2,790 SF of drywall/joint compound on the walls and approximately 960 SF of drywall/joint compound/texture on the ceilings. Five (5) Samples of drywall/joint compound were taken from the walls and three (3) samples of drywall/joint compound/texture were taken from the ceilings.

Laboratory analysis indicated that one (1) plaster/skim coat sample from 25 N. Philadelphia St. contained 2% asbestos and was subsequently analyzed by EPA PLM 400 Point Count. This sample was determined to contain 0.5% chrysotile asbestos and this material will not need to be abated.

Laboratory analysis indicated that one (1) drywall/joint compound/texture sample from 27 N. Philadelphia St. contained <1.0% asbestos and was subsequently analyzed by EPA PLM 400 Point Count. This sample was determined to contain 0.5% chrysotile asbestos and this material will not need to be abated.

Approximately 4 square feet of millboard in the basement of 27 N. Philadelphia St. was determined to contain 65% chrysotile asbestos. Entry could not be made into the basement of 25 N. Philadelphia St. due to a large amount of household materials over the entry hatch. We estimate that a similar amount of this material is present in the basement of 25 N. Philadelphia St. This material will need to be abated prior to demolition of the structure.

No other suspect materials were observed in the structure that will require abatement.

## **DESCRIPTION OF BUILDING SURVEY AND SAMPLING METHODOLOGY**

A room-by-room inspection of the house was performed and homogenous materials were identified. Sampling locations were determined in a statistically random manner for surfacing materials, or randomly distributed manner for thermal system insulation that is representative of the homogeneous area. Each bulk sample was collected using cleaned hand tools and placed in a clean, zip-lock plastic bag and labeled with a unique sample identification number. Pertinent information was recorded on a Bulk Sample Log Sheet, including sample identification number, date of collection, name of inspector, building name, a brief description and location of the sample, and the type of material sampled (e.g. thermal insulation, fireproofing, acoustical plaster). The samples were shipped via overnight courier to SanAir Technologies Laboratory, Inc. (SanAir), an accredited and recognized laboratory under the National Voluntary Laboratory Accreditation Program (NVLAP) and analyzed for asbestos content by polarized-light microscopy (PLM) and dispersion staining (Method Reference: EPA-600/R-93/116). This analytical method, which the EPA currently recommends for the determination of asbestos in bulk samples of suspect material can be used for qualitative identification of six (6)

morphologically different types of asbestos fibers: chrysotile, amosite, crocidolite, anthophyllite, tremolite and actinolite asbestos.

The method specifies that the asbestos content in a bulk sample shall be estimated and reported as a finite percentage (rounded to the nearest percentage) within the range of 0 to 100. The result of the bulk sample analysis is reported in a standard written laboratory report. This report includes the clients name, the project number, the laboratory identification number, the sample number assigned to the bulk sample upon receipt at the laboratory, and the field number assigned to the bulk sample upon collection. If the bulk sample contains more than one distinct layer of material, each layer is analyzed separately. The composition of the bulk sample is reported in percentages of asbestos and non-asbestos components. A summary of the bulk samples collected from this structure is included in Table 1 – Bulk Sample Log.

The structure 25 N Philadelphia Street contained approximately 2,790 SF of plaster/skim coat on the walls and approximately 960 SF of plaster/skim coat/texture on the ceilings. Five (5) samples of plaster/skim coat were taken from the walls and three (3) samples of plaster/skim coat/texture were taken from the ceilings.

The structure 27 N Philadelphia Street contained approximately 2,790 SF of drywall/joint compound on the walls and approximately 960 SF of drywall/joint compound/texture on the ceilings. Five (5) Samples of drywall/joint compound were taken from the walls and three (3) samples of drywall/joint compound/texture were taken from the ceilings.

Laboratory analysis indicated that one plaster/skim coat sample from 25 N. Philadelphia St. contained 2% asbestos and was subsequently analyzed by EPA PLM 400 Point Count. This sample was determined to contain 0.5% chrysotile asbestos and this material will not need to be abated.

Approximately 4 square feet of millboard in the basement of 27 N. Philadelphia St. was determined to contain 65% chrysotile asbestos. Entry could not be made into the basement of 25 N. Philadelphia St. due to a large amount of household materials over the entry hatch. We estimate that a similar amount of this material is present in the basement of 25 N. Philadelphia St. This material will need to be abated prior to demolition of the structure.

The results of the sample analyses can be found on the laboratory report attached and in Table 2 – Bulk Sample Data Summary. Table 2 also contains the locations, condition, amount, NESHAP category and type of ACM identified in the structure.

**RESULTS**

TKEC collected samples from wall and ceiling systems, flooring materials, roofing materials, duct insulation, blown-in insulation and window glaze and caulking if it was present. Analytical results confirmed that the following suspect asbestos-containing building materials contain more than 1% asbestos:

- **Millboard, [Basement 25 & 27 N. Philadelphia St.], [Fair], [8 SF]**

No other suspect asbestos-containing building materials that will likely become friable during demolition were identified in the structure.

**ESTIMATED ABATEMENT COSTS**

TKEC estimates the costs associated with the removal of the confirmed asbestos-containing materials to be as follows:

The estimated costs for asbestos consulting (specifications and on-site monitoring) if requested by the City of Dayton: N/A

**ESTIMATED COSTS FOR FRIABLE ACM ABATEMENT**

<u>Material</u>	<u>Estimated Quantity</u>	<u>Estimated Unit Costs</u>	<u>Estimated Costs</u>
Millboard	8 SF	\$4.00/SF	\$32.00

The estimated costs for asbestos consulting (specifications and on-site monitoring): \$ N/A

**ESTIMATED COSTS FOR NON-FRIABLE ACM LIKELY TO BECOME FRIABLE ABATEMENT**

<u>Material</u>	<u>Estimated Quantity</u>	<u>Estimated Unit Costs</u>	<u>Estimated Costs</u>
N/A	N/A	N/A	N/A

The estimated costs for asbestos consulting (specifications and on-site monitoring) if requested by the City of Dayton: N/A

**ESTIMATED COSTS FOR NON-FRIABLE ACM ABATEMENT**

<u>Material</u>	<u>Estimated Quantity</u>	<u>Estimated Unit Costs</u>	<u>Estimated Costs</u>
N/A	N/A	N/A	N/A

The estimated costs for asbestos consulting (specifications and on-site monitoring) if requested by the City of Dayton: N/A

Estimated costs are based on prevailing costs in the Midwest for 2015, and do not include costs for planning, permitting, contractor oversight or air monitoring. Actual costs may vary from estimated costs due to contractor workloads, season, or changes in regulatory requirements.

**RECOMMENDATIONS**

Based on the findings of this asbestos survey and NESHAP regulations, the following recommendations are presented for consideration:

1. Prior to any outside contractor(s) working at the subject structure, the contractor(s) must be notified of the presence of the building materials identified as containing asbestos.
2. Trained workers and supervisors certified by the Ohio Department of Health must be used to remove the identified asbestos-containing building materials using special procedures and protective equipment to ensure that workers are not overexposed to airborne asbestos.
3. Advance notification must be provided to the Regional Air Pollution Control Agency (RAPCA) and the Ohio Department of Health at least ten (10) working days prior to the start of abatement activities.
4. The fact that asbestos containing materials were observed in or on the building should be noted on the demolition notification form along with the name and certification number of the inspector (Joseph D. Saunders, Ohio Department of Health Asbestos Hazard Evaluation Specialist Certification No. ES34837).

TKEC made every effort to locate suspect ACM that may be concealed; however, suspect ACM which may be located behind hard plaster walls or ceilings, hard walled chases, under flooring or subflooring, etc., were not assessed or quantified. If through demolition suspect materials are discovered, they should be documented and handled appropriately.

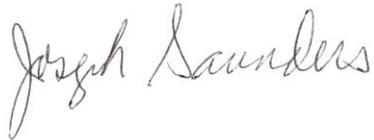
25-27 N. Philadelphia Street  
March 29, 2016

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This report is prepared to assist the City of Dayton, construction managers and asbestos abatement contractors in locating ACMs. This report is not intended to be used as a bidding document or project specifications.

Attached are the following TKEC documents: 1) Table I – Bulk Sample Log; 2) Table 2 – Bulk Sample Data Summary; 3) Laboratory Report; 4) Building Sketch/Photographs; and 5) Inspector’s Certification. If we can be of further assistance on this or other projects, do not hesitate to call us at (937) 335-8807.

Respectfully submitted,  
TURN-KEY ENVIRONMENTAL CONSULTANTS, INC.



Joseph Saunders  
Project Manager  
ODH Asbestos Hazard Evaluation Specialist  
No. ES34837, Exp. Date 6/10/2016



Oliver Purcell  
Field Technician  
ODH Asbestos Hazard Evaluation Specialist  
No. ES35952, Exp. Date 11/05/2016

# **ATTACHMENT 1**

## **Bulk Sample Log**





# **ATTACHMENT 2**

## **Bulk Sample Data Summary**

**25 N. Philadelphia St.**  
**Pre-Demolition Asbestos Survey**  
**Table I - Bulk Sample Data Summary**

**Project TK-27D**

Homogeneous Area					Quantity & Condition			
Sample Description (Material Type)	Sample Location	NSHAP Category	ACM Type	Bulk Sample No.	Good	Fair	Poor	Asbestos Content
Plaster/Skim Coat - Rough Coat	Living Room - Wall	Cat II Nonfriable	Surfacing	1-1		2790 SF		NAD
Plaster/Skim Coat - Skim Coat	Living Room - Wall	Cat II Nonfriable	Surfacing	1-1				NAD
Plaster/Skim Coat - Rough Coat	Dining Room - Wall	Cat II Nonfriable	Surfacing	1-2				NAD
<b>Plaster/Skim Coat - Skim Coat</b>	<b>Dining Room - Wall</b>	<b>Cat II Nonfriable</b>	<b>Surfacing</b>	<b>1-2</b>				<b>2% Chrysotile</b>
Plaster/Skim Coat - Rough Coat	Stairway to 2nd Floor - Wall	Cat II Nonfriable	Surfacing	1-3				NAD
Plaster/Skim Coat - Skim Coat	Stairway to 2nd Floor - Wall	Cat II Nonfriable	Surfacing	1-3				NAD
Plaster/Skim Coat - Rough Coat	Bedroom 1 - Wall	Cat II Nonfriable	Surfacing	1-4				NAD
Plaster/Skim Coat - Skim Coat	Bedroom 1 - Wall	Cat II Nonfriable	Surfacing	1-4				NAD
Plaster/Skim Coat - Rough Coat	Bedroom 2 - Wall	Cat II Nonfriable	Surfacing	1-5				NAD
Plaster/Skim Coat - Skim Coat	Bedroom 2 - Wall	Cat II Nonfriable	Surfacing	1-5				NAD
Window Glaze	Bedroom 2	Cat II Nonfriable	Misc	2-1				NAD
Window Glaze	Living Room	Cat II Nonfriable	Misc	2-2				NAD
Plaster/Skim Coat/Texture - Texture	Bedroom 1 - Ceiling	Cat II Nonfriable	Surfacing	3-1		960 SF		NAD

**25 N. Philadelphia St.**  
**Pre-Demolition Asbestos Survey**  
**Table I - Bulk Sample Data Summary**

**Project TK-27D**

Homogeneous Area					Quantity & Condition			
Sample Description (Material Type)	Sample Location	NSHAP Category	ACM Type	Bulk Sample No.	Good	Fair	Poor	Asbestos Content
Plaster/Skim Coat/Texture - Skim Coat	Bedroom 1 - Ceiling	Cat II Nonfriable	Surfacing	3-1				NAD
Plaster/Skim Coat/Texture - Rough Coat	Bedroom 1 - Ceiling	Cat II Nonfriable	Surfacing	3-1				NAD
Plaster/Skim Coat/Texture - Texture	Bathroom - Ceiling	Cat II Nonfriable	Surfacing	3-2				NAD
Plaster/Skim Coat/Texture - Skim Coat	Bathroom - Ceiling	Cat II Nonfriable	Surfacing	3-2				NAD
Plaster/Skim Coat/Texture - Rough Coat	Bathroom - Ceiling	Cat II Nonfriable	Surfacing	3-2				NAD
Plaster/Skim Coat/Texture - Texture	Living Room - Ceiling	Cat II Nonfriable	Surfacing	3-3				NAD
Plaster/Skim Coat/Texture - Skim Coat	Living Room - Ceiling	Cat II Nonfriable	Surfacing	3-3				NAD
Plaster/Skim Coat/Texture - Rough Coat	Living Room - Ceiling	Cat II Nonfriable	Surfacing	3-3				NAD

**27 N. Philadelphia St.**  
**Pre-Demolition Asbestos Survey**  
**Table I - Bulk Sample Data Summary**

**Project TK-27D**

Homogeneous Area					Quantity & Condition			
Sample Description (Material Type)	Sample Location	NSHAP Category	ACM Type	Bulk Sample No.	Good	Fair	Poor	Asbestos Content
Drywall/Joint Compound/Texture - Texture	Living Room - Wall	Cat II Non-Friable	Surfacing	1-1		2790 SF		NAD
Drywall/Joint Compound/Texture - Joint Compound	Living Room - Wall	Cat II Non-Friable	Surfacing	1-1				NAD
Drywall/Joint Compound/Texture - Sheetrock	Living Room - Wall	Cat II Non-Friable	Surfacing	1-1				NAD
Drywall/Joint Compound/Texture - Texture	Dining Room - Wall	Cat II Non-Friable	Surfacing	1-2				NAD
Drywall/Joint Compound/Texture - Joint Compound	Dining Room - Wall	Cat II Non-Friable	Surfacing	1-2				NAD
Drywall/Joint Compound/Texture - Sheetrock	Dining Room - Wall	Cat II Non-Friable	Surfacing	1-2				NAD
Drywall/Joint Compound/Texture - Texture	Kitchen - Wall	Cat II Non-Friable	Surfacing	1-3				NAD
Drywall/Joint Compound/Texture - Joint Compound	Kitchen - Wall	Cat II Non-Friable	Surfacing	1-3				NAD
Drywall/Joint Compound/Texture - Sheetrock	Kitchen - Wall	Cat II Non-Friable	Surfacing	1-3				NAD

**27 N. Philadelphia St.**  
**Pre-Demolition Asbestos Survey**  
**Table I - Bulk Sample Data Summary**

**Project TK-27D**

Homogeneous Area					Quantity & Condition			
Sample Description (Material Type)	Sample Location	NSHAP Category	ACM Type	Bulk Sample No.	Good	Fair	Poor	Asbestos Content
Drywall/Joint Compound/Texture - Paper Backing	Kitchen - Wall	Cat II Non-Friable	Surfacing	1-3				NAD
Drywall/Joint Compound/Texture - Joint Compound	Bedroom 1 - Wall	Cat II Non-Friable	Surfacing	1-4				NAD
Drywall/Joint Compound/Texture - Paper Backing	Bedroom 1 - Wall	Cat II Non-Friable	Surfacing	1-4				NAD
Drywall/Joint Compound/Texture - Sheetrock	Bedroom 1 - Wall	Cat II Non-Friable	Surfacing	1-4				NAD
Drywall/Joint Compound/Texture - Joint Compound	Bedroom 2 - Wall	Cat II Non-Friable	Surfacing	1-5				NAD
Drywall/Joint Compound/Texture - Sheetrock	Bedroom 2 - Wall	Cat II Non-Friable	Surfacing	1-5				NAD
Window Glaze	Bedroom 2	Cat II Non-Friable	Misc	2.1				NAD
Window Glaze	Living Room	Cat II Non-Friable	Misc	2-2				NAD
Texture/Drywall - Texture	Bedroom 2 - Ceiling	Cat II Non-Friable	Surfacing	3-1		960 SF		NAD
Texture/Drywall - Paper Backing	Bedroom 2 - Ceiling	Cat II Non-Friable	Surfacing	3-1				NAD
Texture/Drywall - Sheetrock	Bedroom 2 - Ceiling	Cat II Non-Friable	Surfacing	3-1				NAD

**27 N. Philadelphia St.**  
**Pre-Demolition Asbestos Survey**  
**Table I - Bulk Sample Data Summary**

**Project TK-27D**

Homogeneous Area					Quantity & Condition			
Sample Description (Material Type)	Sample Location	NSHAP Category	ACM Type	Bulk Sample No.	Good	Fair	Poor	Asbestos Content
Texture/Drywall - Texture	Bathroom	Cat II Non-Friable	Surfacing	3-2				NAD
Texture/Drywall - Paper Backing	Bathroom	Cat II Non-Friable	Surfacing	3-2				NAD
Texture/Drywall - Sheetrock	Bathroom	Cat II Non-Friable	Surfacing	3-2				NAD
Texture/Drywall - Texture	Stairway	Cat II Non-Friable	Surfacing	3-3				NAD
Texture/Drywall - Paper Backing	Stairway	Cat II Non-Friable	Surfacing	3-3				NAD
Texture/Drywall - Sheetrock	Stairway	Cat II Non-Friable	Surfacing	3-3				NAD
Roof Shingle	Roof	Cat I Non-Friable	Misc	4-1				NAD
<b>Millboard</b>	<b>Basement</b>	<b>Cat II Friable</b>	<b>Misc</b>	<b>5-1</b>		<b>4 SF</b>		<b>65% Chrysotile</b>

25 N. Philadelphia St.  
 Pre-Demolition Asbestos Survey  
 Table II - Point Count Sample Data Summary

Project TK-27D

Homogeneous Area					Quantity & Condition			
Sample Description (Material Type)	Sample Location	NSHAP Category	ACM Type	Bulk Sample No.	Good	Fair	Poor	Asbestos Content
Plaster/Skim Coat - Skim Coat	Dining Room - Wall	Cat II Nonfriable	Surfacing	1-2				0.5% Chrysotile

27 N. Philadelphia St.  
 Pre-Demolition Asbestos Survey  
 Table II - Point Count Sample Data Summary

Project TK-27D

Homogeneous Area					Quantity & Condition			
Sample Description (Material Type)	Sample Location	NSHAP Category	ACM Type	Bulk Sample No.	Good	Fair	Poor	Asbestos Content
Drywall/Joint Compound/Texture - Joint Compound	Bedroom 1 - Wall	Cat II Non-Friable	Surfacing	1-4				<0.25% Chrysotile

# **ATTACHMENT 3**

## **Laboratory Data**



Email: [IAQ@hayesmicrobial.com](mailto:IAQ@hayesmicrobial.com)  
[www.hayesmicrobial.com/lims/](http://www.hayesmicrobial.com/lims/)

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Analysis Report prepared for

## Turn-Key Environmental Consultants

714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

Job Number: TK-27D  
Job Name: 25 N. Philadelphia  
Date Sampled: 03-15-2016  
Date Analyzed: 03-21-2016  
Report Date: 03-21-2016

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AIHA EMPAT Laboratory ID# 188863  
EPA Laboratory ID# VA01419



NVLAP Lab Code: 500096-0



LAB #188863  
AIHA Accredited  
Environmental Microbiology



NY ELAP Lab ID#12015

Texas Dept. of State  
Health Services  
Mold License: LAB1021  
Asbestos License: 300435



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

HMC #16006457

**Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402**

March 21, 2016

Client Job Number: TK-27D  
Client Job Name: 25 N. Philadelphia

Dear Turn-Key Environmental Consultants,

We would like to thank you for trusting Hayes Microbial for your analytical needs. On March 17, 2016 we received 10 samples by FedEx for the job referenced above.

The results in this analysis pertain only to this job, collected on the stated date and should not be used in the interpretation of any other job. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial Consulting. In no event, shall Hayes Microbial Consulting or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of your use of the test results.

Steve Hayes, BSMT(ASCP)  
Laboratory Director  
Hayes Microbial Consulting, LLC



# HAYES

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3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
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Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

EPA 600/R-93, M-4/82-020 (PLM)

HMC #16006457

Job Number: <b>TK-27D</b>	Job Name: <b>25 N. Philadelphia</b>	Date Collected: <b>03/15/2016</b>
Collected by: <b>J. Saunders</b>		Date Received: <b>03/17/2016</b>
Email: <b>tke@turn-keyenvironmental.com</b>		Date Reported: <b>03/21/2016</b>

#	Sample	Name	Description	Asbestos Fibers	Other Fibers	Non- Fibers
1	1-1	Plaster/Skim Coat - Living Room	Skim Coat / White	(None Detected)	(None Detected)	100 %
	Layer 2	Plaster/Skim Coat - Living Room	Rough Coat / Gray	(None Detected)	2 % Hair	98 %
2	1-2	Plaster/Skim Coat - Dining Room	Skim Coat / White	<b>2 % Chrysotile</b>	(None Detected)	98 %
	Layer 2	Plaster/Skim Coat - Dining Room	Rough Coat / Gray	(None Detected)	2 % Hair	98 %
3	1-3	Plaster/Skim Coat - Stairwell 2nd Floor	Skim Coat / White	(None Detected)	(None Detected)	100 %
	Layer 2	Plaster/Skim Coat - Stairwell 2nd Floor	Rough Coat / Gray	(None Detected)	(None Detected)	100 %
4	1-4	Plaster/ Skim Coat - Bedroom 1	Skim Coat / White	(None Detected)	(None Detected)	100 %
	Layer 2	Plaster/ Skim Coat - Bedroom 1	Rough Coat / Gray	(None Detected)	2 % Hair	98 %
5	1-5	Plaster/Skim Coat - 2nd Floor Bedroom 2	Skim Coat / White	(None Detected)	(None Detected)	100 %
	Layer 2	Plaster/Skim Coat - 2nd Floor Bedroom 2	Rough Coat / Gray	(None Detected)	2 % Hair	98 %
6	2-1	Window Glaze - Bedroom 2	Glazing / White	(None Detected)	(None Detected)	100 %

Signature: 

Date: 03/21/2016

Reviewed by: 

Date: 03/21/2016



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

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Ph.: (937) 335-8807 Fax.: (937) 339-4882

EPA 600/R-93, M-4/82-020 (PLM)

HMC #16006457

Job Number: <b>TK-27D</b>	Job Name: <b>25 N. Philadelphia</b>	Date Collected: <b>03/15/2016</b>
Collected by: <b>J. Saunders</b>		Date Received: <b>03/17/2016</b>
Email: <b>tke@turn-keyenvironmental.com</b>		Date Reported: <b>03/21/2016</b>

#	Sample	Name	Description	Asbestos Fibers	Other Fibers	Non- Fibers
7	2-2	Window Glaze - Living Room	Glazing / Brown	(None Detected)	(None Detected)	100 %
8	3-1	Plaster/Skim Coat/Texture - Bedroom 2 Ceiling	Texture / White	(None Detected)	(None Detected)	100 %
	Layer 2	Plaster/Skim Coat/Texture - Bedroom 2 Ceiling	Skim Coat / White	(None Detected)	(None Detected)	100 %
	Layer 3	Plaster/Skim Coat/Texture - Bedroom 2 Ceiling	Rough Coat / Gray	(None Detected)	2 % Hair	98 %
9	3-2	Plaster/Skim Coat/Texture - Bath	Texture / White	(None Detected)	(None Detected)	100 %
	Layer 2	Plaster/Skim Coat/Texture - Bath	Paper Backing / Brown	(None Detected)	90 % Cellulose fibers	10 %
	Layer 3	Plaster/Skim Coat/Texture - Bath	Sheetrock / White	(None Detected)	<1 % Cellulose fibers	100 %
10	3-3	Plaster/Skim Coat/Texture - Living Room	Texture / White	(None Detected)	(None Detected)	100 %
	Layer 2	Plaster/Skim Coat/Texture - Living Room	Debris / Gray	(None Detected)	<1 % Hair	100 %

Signature: 

Date: 03/21/2016

Reviewed by: 

Date: 03/21/2016



# HAYES

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3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
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Asbestos - Additional Information

**HMC #16006457**

All samples were received in acceptable condition unless otherwise noted on the report. The Report must not be used by the client to claim product certification, approval, or endorsement by: AIHA, NIST, NVLAP NY ELAP, or any agency. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data can be provided when requested. None detected: Below the detected reporting limit of 1% unless point counting is performed, then the detected, reporting limit is .25%. Per NY ELAP198.6 (NOB) TEM is the only reliable method to declare an NOB material as Non-Asbestos Containing. Hayes Microbial Consulting reserves the right to dispose of all samples after a period of 60 days in compliance with state and federal guidelines.

Signature: \_\_\_\_\_

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

03/21/2016

Reviewed by: \_\_\_\_\_

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

03/21/2016







Email: [IAQ@hayesmicrobial.com](mailto:IAQ@hayesmicrobial.com)  
[www.hayesmicrobial.com/lims/](http://www.hayesmicrobial.com/lims/)

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Analysis Report prepared for

## Turn-Key Environmental Consultants

714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

Job Number: TK-27D  
Job Name: 27 N. Philadelphia  
Date Sampled: 03-15-2016  
Date Analyzed: 03-24-2016  
Report Date: 03-24-2016

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AIHA EMPAT Laboratory ID# 188863  
EPA Laboratory ID# VA01419



NVLAP Lab Code: 500096-0



AIHA Accredited  
Environmental Microbiology



NY ELAP Lab ID#12015

Texas Dept. of State  
Health Services  
Mold License: LAB1021  
Asbestos License: 300435



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

**HMC #16006456**  
AMENDED

**Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402**

March 24, 2016

Client Job Number: TK-27D  
Client Job Name: 27 N. Philadelphia

Dear Turn-Key Environmental Consultants,

We would like to thank you for trusting Hayes Microbial for your analytical needs. On March 17, 2016 we received 12 samples by FedEx for the job referenced above.

The results in this analysis pertain only to this job, collected on the stated date and should not be used in the interpretation of any other job. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial Consulting. In no event, shall Hayes Microbial Consulting or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of your use of the test results.

Steve Hayes, BSMT(ASCP)  
Laboratory Director  
Hayes Microbial Consulting, LLC



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

EPA 600/R-93, M-4/82-020 (PLM)

HMC #16006456  
AMENDED

Job Number: <b>TK-27D</b>	Job Name: <b>27 N. Philadelphia</b>	Date Collected: <b>03/15/2016</b>
Collected by: <b>J. Saunders</b>		Date Received: <b>03/17/2016</b>
Email: <b>tke@turn-keyenvironmental.com</b>		Date Reported: <b>03/24/2016</b>

#	Sample	Name	Description	Asbestos Fibers	Other Fibers	Non- Fibers
1	1-1	Drywall/Joint Compound/Texture- Living Room	Texture / Tan	(None Detected)	(None Detected)	100 %
	Layer 2	Drywall/Joint Compound/Texture- Living Room	Sheetrock / White	(None Detected)	(None Detected)	100 %
	Layer 3	Drywall/Joint Compound/Texture- Living Room	Joint Compound / White	(None Detected)	(None Detected)	100 %
	Layer 4	Drywall/Joint Compound/Texture - Dining Room	Fibrous / White	(None Detected)	(None Detected)	100 %
2	1-2	Drywall/Joint Compound/Texture - Dining Room	Texture / White	(None Detected)	(None Detected)	100 %
	Layer 2	Drywall/Joint Compound/Texture - Dining Room	Joint Compound / White	(None Detected)	(None Detected)	100 %
3	1-3	Drywall/Joint Compound/Texture - Kitchen	Texture / Green	(None Detected)	(None Detected)	100 %
	Layer 2	Drywall/Joint Compound/Texture - Kitchen	Sheetrock / White	(None Detected)	(None Detected)	100 %
	Layer 3	Drywall/Joint Compound/Texture - Kitchen	Joint Compound / White	(None Detected)	(None Detected)	100 %
4	1-4	Drywall/Joint Compound/Texture - Bedroom 1	Joint Compound / Tan	<b>&lt;1 % Chrysotile</b>	(None Detected)	100 %
	Layer 2	Drywall/Joint Compound/Texture - Bedroom 1	Sheetrock / White	(None Detected)	12 % Cellulose fibers	88 %

Signature: 

Date: 03/24/2016

Reviewed by: 

Date: 03/24/2016



# HAYES

MICROBIAL CONSULTING  
 3005 East Boundary Terrace, #F  
 Midlothian, VA 23112, USA  
 804.562.3435 Fax: 804.447.5562

Turn-Key Environmental Consultants  
 714 E Monument Ave  
 Dayton, OH 45402  
 Ph.: (937) 335-8807 Fax.: (937) 339-4882

EPA 600/R-93, M-4/82-020 (PLM)

**HMC #16006456**  
 AMENDED

Job Number: <b>TK-27D</b>	Job Name: <b>27 N. Philadelphia</b>	Date Collected: <b>03/15/2016</b>
Collected by: <b>J. Saunders</b>		Date Received: <b>03/17/2016</b>
Email: <b>tke@turn-keyenvironmental.com</b>		Date Reported: <b>03/24/2016</b>

#	Sample	Name	Description	Asbestos Fibers	Other Fibers	Non- Fibers
5	1-5	Drywall/Joint Compound/Texture - Bedroom 2	Joint Compound / White	(None Detected)	(None Detected)	100 %
	Layer 2	Drywall/Joint Compound/Texture - Bedroom 2	Sheetrock / White	(None Detected)	12 % Cellulose fibers	88 %
6	2-1	Window Glaze - Bedroom 2	Glazing / White	(None Detected)	(None Detected)	100 %
7	2-2	Window Glaze - Living Room	Glazing / White	(None Detected)	(None Detected)	100 %
8	3-1	Texture/Drywall - Bedroom 2	Texture / White	(None Detected)	(None Detected)	100 %
	Layer 2	Texture/Drywall - Bedroom 2	Sheetrock / White	(None Detected)	12 % Cellulose fibers	88 %
9	3-2	Texture/Drywall - Bathroom	Texture / White	(None Detected)	(None Detected)	100 %
	Layer 2	Texture/Drywall - Bathroom	Sheetrock / White	(None Detected)	12 % Cellulose fibers	88 %
10	3-3	Texture/Drywall - Stairway	Texture / White	(None Detected)	(None Detected)	100 %
	Layer 2	Texture/Drywall - Stairway	Sheetrock / White	(None Detected)	12 % Cellulose fibers	88 %
11	4-1	Roof Shingle - Roof	Roofing / Black	(None Detected)	15 % Fiberglass	85 %

Signature: 

Date: 03/24/2016

Reviewed by: 

Date: 03/24/2016



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

EPA 600/R-93, M-4/82-020 (PLM)

**HMC #16006456**  
AMENDED

Job Number: <b>TK-27D</b>	Job Name: <b>27 N. Philadelphia</b>	Date Collected: <b>03/15/2016</b>
Collected by: <b>J. Saunders</b>		Date Received: <b>03/17/2016</b>
Email: <b>tke@turn-keyenvironmental.com</b>		Date Reported: <b>03/24/2016</b>

#	Sample	Name	Description	Asbestos Fibers	Other Fibers	Non- Fibers
12	5-1	Millboard - Basement	Fibrous / White	<b>65 % Chrysotile</b>	(None Detected)	35 %

Signature: 

Date: 03/24/2016

Reviewed by: 

Date: 03/24/2016









Email: [IAQ@hayesmicrobial.com](mailto:IAQ@hayesmicrobial.com)  
[www.hayesmicrobial.com/lims/](http://www.hayesmicrobial.com/lims/)

---

Analysis Report prepared for

## Turn-Key Environmental Consultants

714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

Job Number: TK-27D  
Job Name: 25 N. Philadelphia  
Date Sampled: 03-15-2016  
Date Analyzed: 03-23-2016  
Report Date: 03-24-2016

---

AIHA EMPAT Laboratory ID# 188863  
EPA Laboratory ID# VA01419



NVLAP Lab Code: 500096-0



LAB #188863

AIHA Accredited  
Environmental Microbiology



NY ELAP Lab ID#12015

Texas Dept. of State  
Health Services

Mold License: LAB1021  
Asbestos License: 300435



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

HMC #16006978

**Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402**

March 24, 2016

Client Job Number: TK-27D  
Client Job Name: 25 N. Philadelphia

Dear Turn-Key Environmental Consultants,

We would like to thank you for trusting Hayes Microbial for your analytical needs. On March 17, 2016 we received 1 samples by FedEx for the job referenced above.

The results in this analysis pertain only to this job, collected on the stated date and should not be used in the interpretation of any other job. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

This laboratory bears no responsibility for sample collection activities, analytical method limitations, or your use of the test results. Interpretation and use of test results are your responsibility. Any reference to health effects or interpretation of mold levels is strictly the opinion of Hayes Microbial Consulting. In no event, shall Hayes Microbial Consulting or any of its employees be liable for lost profits or any special, incidental or consequential damages arising out of your use of the test results.

Steve Hayes, BSMT(ASCP)  
Laboratory Director  
Hayes Microbial Consulting, LLC



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

EPA 400 Point Count

HMC #16006978

Job Number: <b>TK-27D</b>	Job Name: <b>25 N. Philadelphia</b>	Date Collected: <b>03/15/2016</b>
Collected by: <b>J. Saunders</b>		Date Received: <b>03/17/2016</b>
Email: <b>tke@turn-keyenvironmental.com</b>		Date Reported: <b>03/24/2016</b>

#	Sample	Name	Description	Asbestos Fibers	Other Fibers	Non- Fibers
2	1-2	Plaster/Skim Coat - Dining Room	Skim Coat / White	<b>0.5 % Chrysotile</b>	(None Detected)	99.5 %

Signature: 

Date: 03/23/2016

Reviewed by: 

Date: 03/24/2016



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

Asbestos - Additional Information

**HMC #16006978**

All samples were received in acceptable condition unless otherwise noted on the report. The Report must not be used by the client to claim product certification, approval, or endorsement by: AIHA, NIST, NVLAP NY ELAP, or any agency. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data can be provided when requested. None detected: Below the detected reporting limit of 1% unless point counting is performed, then the detected, reporting limit is .25%. Per NY ELAP198.6 (NOB) TEM is the only reliable method to declare an NOB material as Non-Asbestos Containing. Hayes Microbial Consulting reserves the right to dispose of all samples after a period of 60 days in compliance with state and federal guidelines.

Signature: Reed

Date: 03/23/2016

Reviewed by: Stephen N. Hayes

Date: 03/24/2016

[Click here to enable](#)

# Mail

COMPOSE

Point Count Analyses

Inbox

x

i

Inbox

Starred

Sent Mail

Drafts (9)

More

## Turn-Key Environmental

to me

Hi Renaldo,

I would like to order point count analysis for the following samples:

TK-27D Sample #2 1-2  
Sample #4 1-4 **006978**

TK-27E 2238 Salem Ave.

Sample #2 2-1

Sample #3 2-2

Sample #4 2-3

Sample is missing!

Sample #5 2-5

Positive Stop on the above set of samples

Sample #7 3-1

Sample #8 3-2

Sample #9 3-3

Positive Stop on the above set of samples

Sample #11 5-1

Sample #12 5-2

Positive Stop on the above set of samples

TK-27E 2237 Salem Ave.

Sample #3 2-1

Sample #4 2-2

Sample #5 2-3

Sample #6 2-4

Sample #7 2-5

Positive Stop on the above set of samples

Sample #15 7-1

Sample #16 7-2

Positive Stop on the above set of samples

Two (2) day TAT is fine for these samples.

Thanks,

Joe Saunders



Click here to [Reply](#) or [Forward](#)

3/22/16



Email: [IAQ@hayesmicrobial.com](mailto:IAQ@hayesmicrobial.com)  
[www.hayesmicrobial.com/lims/](http://www.hayesmicrobial.com/lims/)

---

Analysis Report prepared for

## Turn-Key Environmental Consultants

714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

Job Number: TK-27D  
Job Name: 27 N. Philadelphia  
Date Sampled: 03-15-2016  
Date Analyzed: 03-23-2016  
Report Date: 03-24-2016

---

AIHA EMPAT Laboratory ID# 188863  
EPA Laboratory ID# VA01419



NVLAP Lab Code: 500096-0



LAB #188863

AIHA Accredited  
Environmental Microbiology



NY ELAP Lab ID#12015

Texas Dept. of State  
Health Services

Mold License: LAB1021  
Asbestos License: 300435



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

HMC #16006983

**Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402**

March 24, 2016

Client Job Number: TK-27D  
Client Job Name: 27 N. Philadelphia

Dear Turn-Key Environmental Consultants,

We would like to thank you for trusting Hayes Microbial for your analytical needs. On March 17, 2016 we received 1 samples by FedEx for the job referenced above.

The results in this analysis pertain only to this job, collected on the stated date and should not be used in the interpretation of any other job. This report may not be duplicated, except in full, without the written consent of Hayes Microbial Consulting, LLC.

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Steve Hayes, BSMT(ASCP)  
Laboratory Director  
Hayes Microbial Consulting, LLC



# HAYES

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

EPA 400 Point Count

HMC #16006983

Job Number: <b>TK-27D</b>	Job Name: <b>27 N. Philadelphia</b>	Date Collected: <b>03/15/2016</b>
Collected by: <b>J. Saunders</b>		Date Received: <b>03/17/2016</b>
Email: <b>tke@turn-keyenvironmental.com</b>		Date Reported: <b>03/24/2016</b>

#	Sample	Name	Description	Asbestos Fibers	Other Fibers	Non- Fibers
4	1-4	Drywall/Joint Compound/Texture - Dining Room	Joint Compound / Tan	<0.25 % <b>Chrysotile</b>	(None Detected)	100 %

Notes: Asbestos Observed Not In Counting Field.

Signature: 

Date: 03/23/2016

Reviewed by: 

Date: 03/24/2016



**HAYES**

MICROBIAL CONSULTING  
3005 East Boundary Terrace, #F  
Midlothian, VA 23112, USA  
804.562.3435 Fax: 804.447.5562

Turn-Key Environmental Consultants  
714 E Monument Ave  
Dayton, OH 45402  
Ph.: (937) 335-8807 Fax.: (937) 339-4882

Asbestos - Additional Information

**HMC #16006983**

All samples were received in acceptable condition unless otherwise noted on the report. The Report must not be used by the client to claim product certification, approval, or endorsement by: AIHA, NIST, NVLAP NY ELAP, or any agency. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data can be provided when requested. None detected: Below the detected reporting limit of 1% unless point counting is performed, then the detected, reporting limit is .25%. Per NY ELAP198.6 (NOB) TEM is the only reliable method to declare an NOB material as Non-Asbestos Containing. Hayes Microbial Consulting reserves the right to dispose of all samples after a period of 60 days in compliance with state and federal guidelines.

Signature: Reed

Date: 03/23/2016

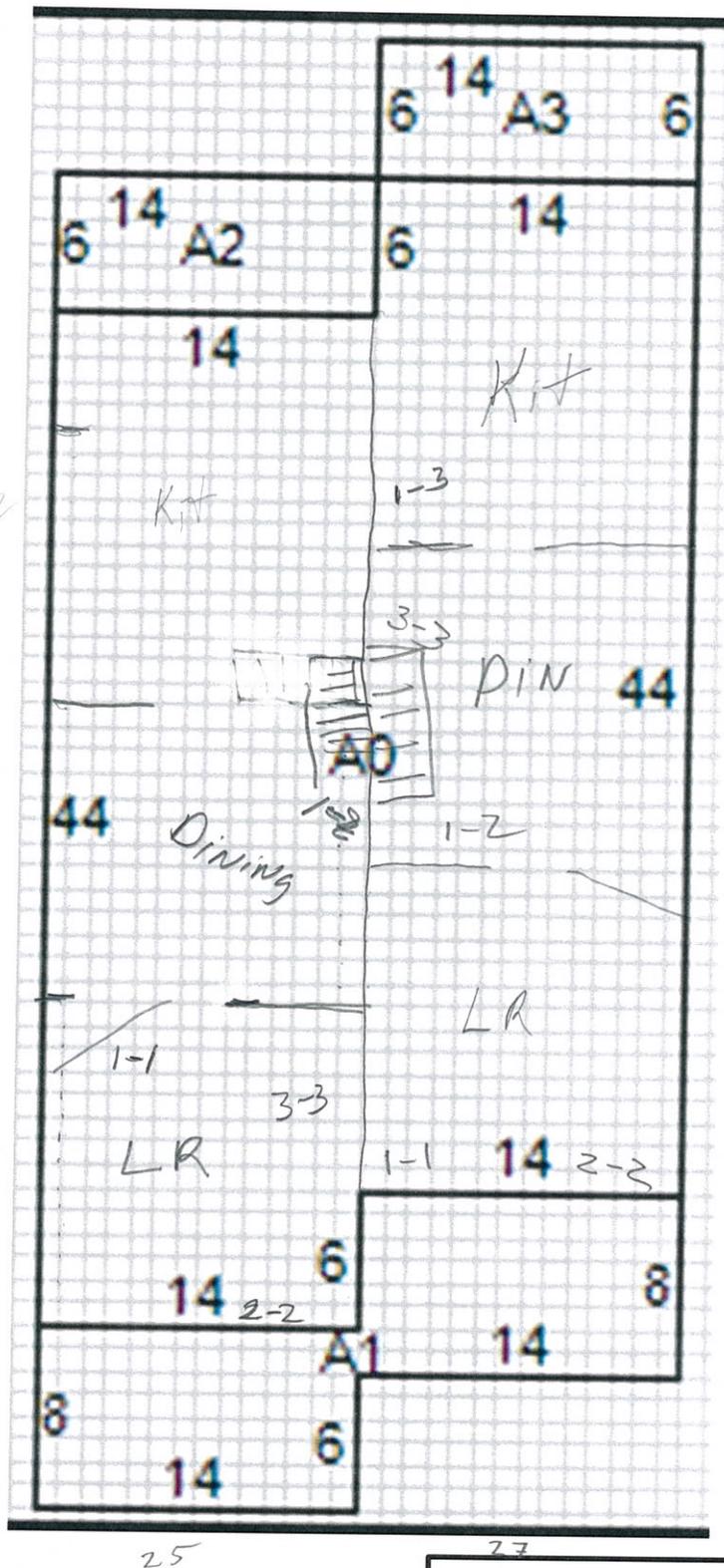
Reviewed by: Stephen N. Hayes

Date: 03/24/2016



# **ATTACHMENT 4**

**Site Sketch/Photographs**



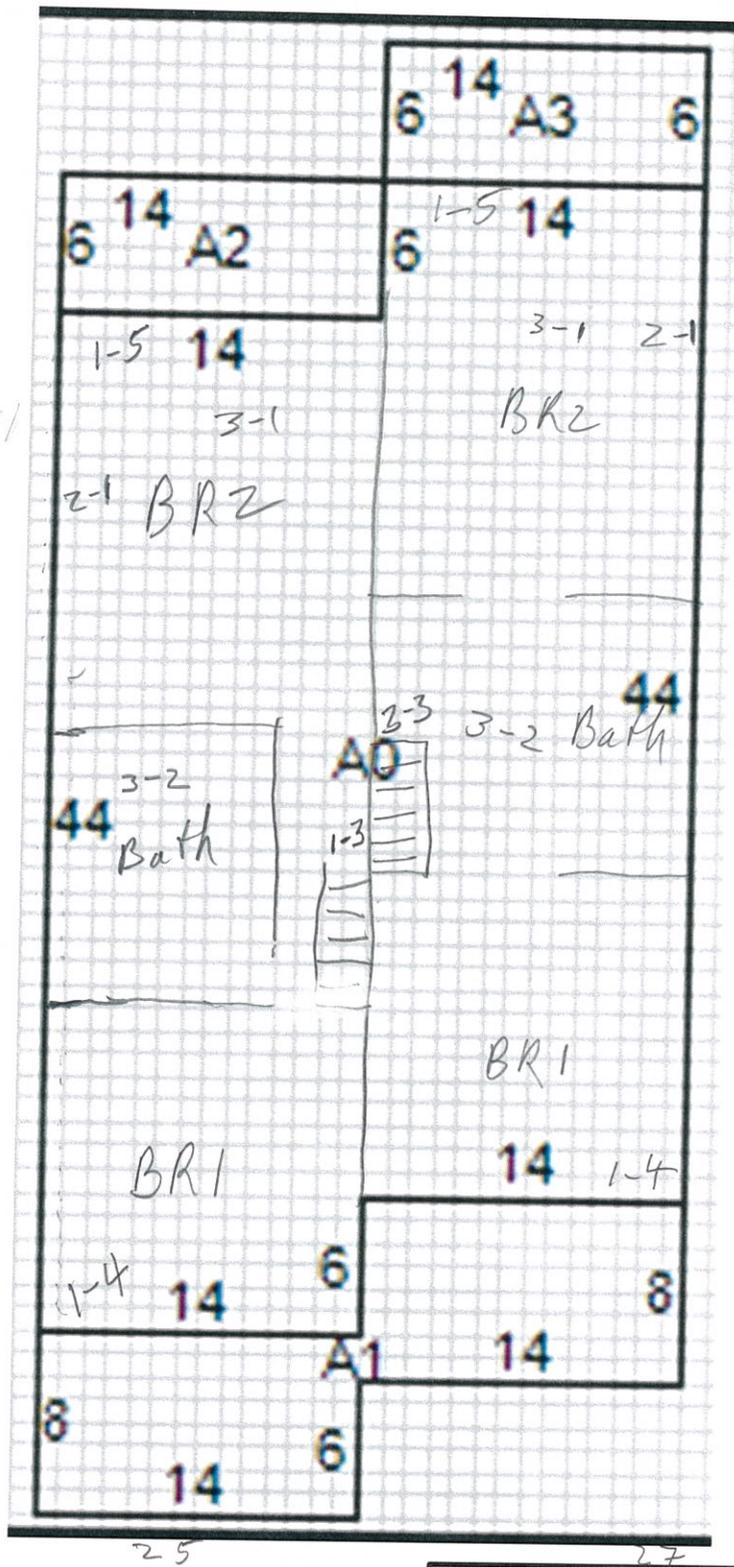
1-1 Approximate  
Sample Location

1-1\* Asbestos > 1%

**FLOOR PLAN**

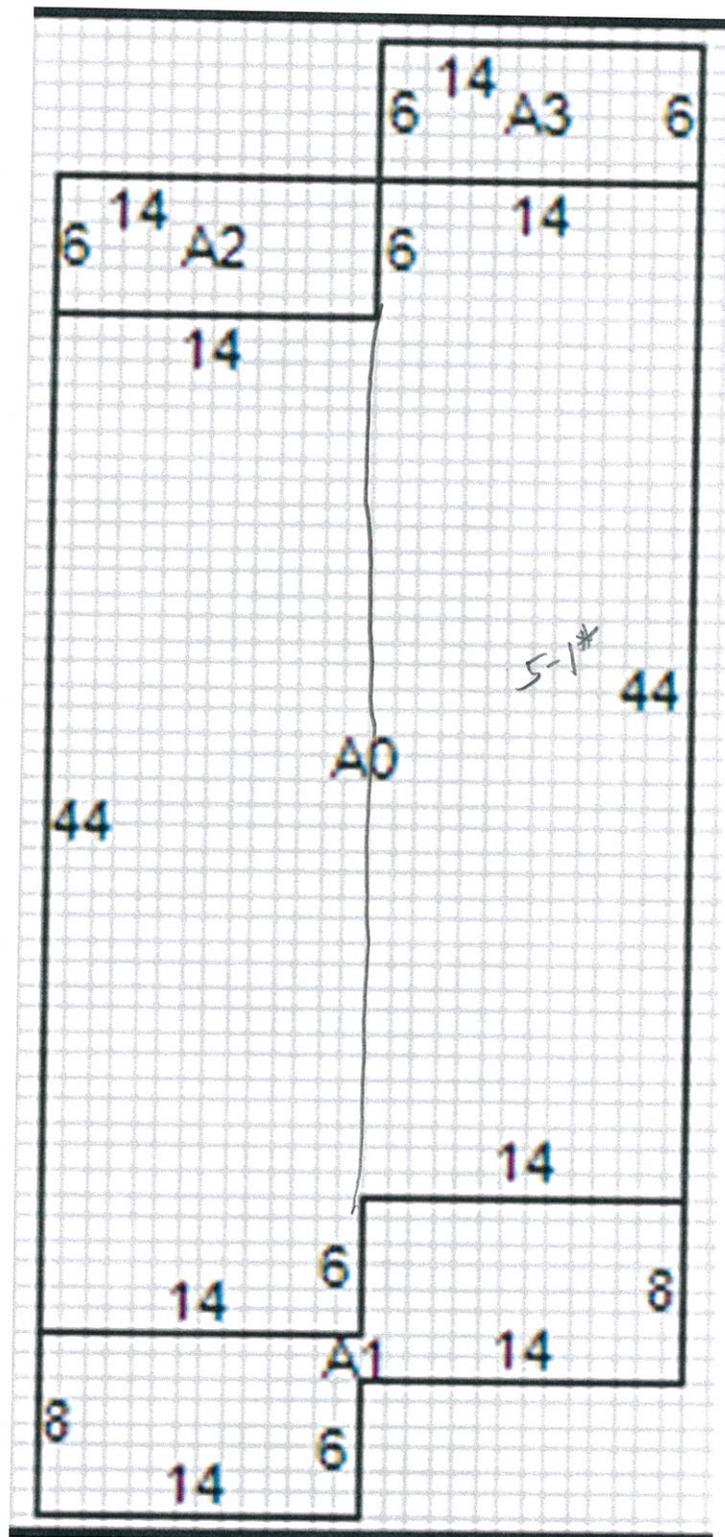
**TK-27D**

**25-27 N Philadelphia**



1-1 Approximate  
Sample Location  
1-1\* Asbestos > 1%

2nd  
**FLOOR PLAN**  
**TK-27D**  
**25-27 N Philadelphia**



1-1 Approximate  
Sample Location

1-1\* Asbestos > 1%

Basement  
**FLOOR PLAN**

**TK-27D**

**25-27 N Philadelphia**



25 N Philadelphia Street



Sample 1-1 Plaster/Skim Coat



Sample 1-2 Plaster/Skim Coat



Sample 1-3 Plaster/Skim Coat



Sample 1-4 Plaster/Skim Coat



Sample 1-5 Plaster/Skim Coat



Sample 2-1 Window Glaze



Sample 2-2 Window Glaze



Sample 3-1 Textured Ceiling



Sample 3-2 Textured Ceiling



Sample 3-3 Textured Ceiling



Debris in the House



27 North Philadelphia Street



Sample 1-1 Drywall/Joint Compound



Sample 1-2 Drywall/Joint Compound



Sample 1-3 Drywall/Joint Compound



Sample 1-4 Drywall/Joint Compound



Sample 1-5 Drywall/Joint Compound



Sample 2-2 Window Glaze



Sample 3-1 Textured Ceiling



Sample 3-2 Textured Ceiling



Sample 3-3 Textured Ceiling



Sample 5-1 Millboard



# **ATTACHMENT 5**

## **Inspector's Certification**



# TSI

## Training Services International

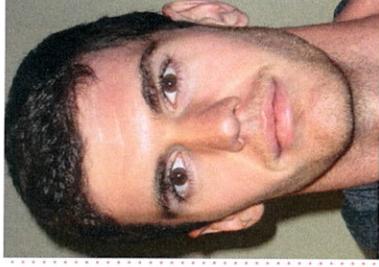
### Asbestos Building Inspector Initial

Certificate

This is to certify

# Oliver Purcell

## XXXX-XX-7816



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Initial and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

*Robert M. Walter*

9/30/16

Expiration Date

9/28/15 - 9/30/15

Date(s) of Course

9/30/15

Examination Date

Cleveland, OH

Course Location

**TSI**

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

15 TSI 60522 ii



# TSI Training Services International

## Asbestos Management Planner Initial

Certificate

This is to certify

**Oliver Purcell**

**XXXX-XX-7816**



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Initial and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

*Robert Alletta*

10/2/16

Expiration Date

10/1/15 - 10/2/15

Date(s) of Course

10/2/15

Examination Date

Cleveland, OH

Course Location

**TSI**

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

**15 TSI 60530 mpi**



# OHIO DEPARTMENT OF HEALTH

246 North High Street  
Columbus, Ohio 43215

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

John R. Kasich/Governor

Richard Hodges/Director of Health

November 05, 2015

Oliver L Purcell  
54 Old Yellow Springs Road Unit 11  
Fairborn OH 45324

RE: Asbestos Hazard Evaluation Specialist  
Certification Number: ES35952  
Expiration Date: 11/05/2016

Dear Oliver L Purcell:

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 Administrative Code.

If you have any questions, please call Kathy Butcher, Licensure Specialist, at 614-644-0226.

Sincerely,

Bill Robbins, Section Chief  
Bureau of Licensure Operations  
Office of Health Assurance and Licensing



Asbestos Hazard Evaluation Specialist



**Oliver L Purcell**

**54 Old Yellow Springs Road Unit 11  
Fairborn OH 45324**

Certification Number **ES35952** Expiration Date **11/05/2016**

DOB: 07/12/1992

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



# **TSI** Training Services International

## Asbestos Building Inspector Refresher

### Certificate

This is to certify

**Joseph D. Saunders**

XXXX-XX-6484



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

Training Manager

4/30/16

Expiration Date

4/30/15

Date(s) of Course

4/30/15

Examination Date

Columbus, OH

Course Location

**TSI**

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

15 TSI 58782 ir



# **TSI** Training Services International

## Asbestos Management Planner Refresher

### Certificate

This is to certify

**Joseph D. Saunders**

XXXX-XX-6484



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Management Planner Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

4/30/16

4/30/15

4/30/15

Columbus, OH

Training Manager

Expiration Date

Date(s) of Course

Examination Date

Course Location

**TSI**

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

15 TSI 58791 mpr



# OHIO DEPARTMENT OF HEALTH

246 North High Street  
Columbus, Ohio 43215

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

John R. Kasich/Governor

Richard Hodges/Director of Health

June 11, 2015

Joseph D Saunders  
3072 Southdale Drive #2  
Kettering OH 45409

RE: Asbestos Hazard Evaluation Specialist  
Certification Number: ES34837  
Expiration Date: 06/10/2016

Dear Joseph D Saunders:

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 Administrative Code.

If you have any questions, please call Kathy Butcher, Licensure Specialist, at 614-644-0226.

Sincerely,

Bill Robbins, Section Chief  
Bureau of Licensure Operations  
Office of Health Assurance and Licensing

**State of Ohio**  
Department of Health  
Asbestos Program

**Asbestos Hazard Evaluation Specialist**



**Joseph D Saunders**  
**3072 Southdale Drive #2**  
**Kettering OH 45409**

DOB: 02/09/1956      Certification Number: **ES34837**      Expiration Date: **06/10/2016**

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