



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

October 22, 2015

Mr. Dennis Zimmer
City of Dayton, Division of Housing Inspection
371 West Second Street, 3rd Floor
Dayton, Ohio 45402

RE: Comprehensive Pre-Demolition Asbestos Survey, NOP TK-20, Vacant Residence, 1159
Beaumont St., Dayton, OH, TKEC Project #TK-20B

Dear Mr. Zimmer:

On October 12, 2015, Mr. Joseph Saunders (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist #ES34837) of Turn-Key Environmental Consultants, Inc. (TKEC) visited the vacant residence located at 1159 Beaumont St. in Dayton, Ohio (subject property). 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 October 12, 2015, Mr. Joseph Saunders (Ohio Department of Health Certified Asbestos Hazard Evaluation Specialist # ES34837) of Turn-Key Environmental Consultants, Inc. (TKEC) performed a comprehensive pre-demolition asbestos inspection of the vacant residence located at 1159 Beaumont St. in Dayton, Ohio. Fifteen (15) samples of suspect materials were collected from the residential structure. 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-six (26) samples. Laboratory analysis indicated that two (2) samples contained 1% or greater asbestos. Two (2) samples of duct wrap contained >1% asbestos. These samples represent approximately 150 LF of Cat II Non Friable material that will need to be abated prior to demolishing the structure.

Seven (7) samples of plaster/skim coat contained <1% asbestos, and were subsequently analyzed by EPA PLM 400 Point Count. These samples were determined to contain 0.25% chrysotile or <0.25% chrysotile asbestos and will not need to be abated.

The cost to abate the identified material is \$525.00.

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.

Laboratory analysis indicated that two (2) samples contained 1% or greater asbestos. Two (2) samples of duct wrap contained >1% asbestos. These samples represent approximately 150 LF of Cat II Non Friable material that will need to be abated prior to demolishing the structure.

Seven (7) samples of plaster/skim coat contained <1% asbestos, and were subsequently analyzed by EPA PLM 400 Point Count. These samples were determined to contain 0.25% chrysotile or <0.25% chrysotile asbestos and will not need to be abated.

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:

- **Duct Wrap, [Throughout House], [Fair], [150 LF]**

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>
N/A	N/A	N/A	N/A

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>
Duct Wrap	150 LF	\$3.50/SF	\$525.00

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

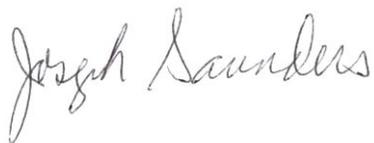
1159 Beaumont St.
October 22, 2015

subflooring, etc., were not assessed or quantified. If through demolition suspect materials are discovered, they should be documented and handled appropriately.

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

ATTACHMENT 1

Bulk Sample Log

ATTACHMENT 2

Bulk Sample Data Summary

1159 Beaumont St.
Pre-Demolition Asbestos Survey
Table I - Bulk Sample Data Summary
Project: TK-20B

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 - Plaster	Living Room			1-1				<1% Chrysotile
Plaster/Skim Coat - Skim Coat	Living Room			1-1				NAD
Plaster/Skim Coat - Plaster	Hallway			1-2				<1% Chrysotile
Plaster/Skim Coat - Skim Coat	Hallway			1-2				NAD
Plaster/Skim Coat - Plaster	Dining Room			1-3				<1% Chrysotile
Plaster/Skim Coat - Skim Coat	Dining Room			1-3				NAD
Plaster/Skim Coat - Plaster	2nd Floor			1-4				<1% Chrysotile
Plaster/Skim Coat - Skim Coat	2nd Floor			1-4				NAD
Plaster/Skim Coat - Plaster	2nd Floor Back Bedroom			1-5				<1% Chrysotile
Plaster/Skim Coat - Skim Coat	2nd Floor Back Bedroom			1-5				NAD
Window Glaze	2nd Floor Front Bedroom			2-1				NAD
Window Glaze	Stairway Landing			2-2				NAD
Plaster/Skim Coat - Plaster	Ceiling Fron Bedroom			3-1				<1% Chrysotile

1159 Beaumont St.
 Pre-Demolition Asbestos Survey
 Table I - Bulk Sample Data Summary
 Project: TK-20B

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	Ceiling Fron Bedroom			3-1				NAD
Plaster/Skim Coat - Plaster	Ceiling Bathroom			3-2				<1% Chrysotile
Plaster/Skim Coat - Skim Coat	Ceiling Bathroom			3-2				NAD
Duct Wrap	2nd Floor Bedroom 2	Cat 2 Non Friable	Misc	4-1		150 LF		70% Chrysotile
Duct Wrap	Dining Room	Cat 2 Non Friable	Misc	4-2				70% Chrysotile
Ceiling Tile/Skim Coat Ceiling Tile	Dining Room			5-1				NAD
Ceiling Tile/Skim Coat Skim Coat	Dining Room			5-1				NAD
Ceiling Tile/Skim Coat Ceiling Tile	Living Room			5-2				NAD
Ceiling Tile/Skim Coat Skim Coat	Dining Room			5-2				NAD
Linoleum/Mastic Linoleum	Basement Steps			6-1				NAD
Linoleum/Mastic Mastic	Basement Steps			6-1				NAD
Linoleum/Mastic Linoleum	Basement Landing			6-2				NAD
Linoleum/Mastic Mastic	Basement Landing			6-2				NAD

1159 Beaumont St.
 Pre-Demolition Asbestos Survey
 Table I - Point Count Sample Data Summary
 Project: TK-20B

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 - Plaster	Living Room			1-1				<0.25% Chrysotile
Plaster/Skim Coat - Plaster	Hallway			1-2				<0.25% Chrysotile
Plaster/Skim Coat - Plaster	Dining Room			1-3				<0.25% Chrysotile
Plaster/Skim Coat - Plaster	2nd Floor			1-4				<0.25% Chrysotile
Plaster/Skim Coat - Plaster	2nd Floor Back Bedroom			1-5				0.25% Chrysotile
Plaster/Skim Coat - Plaster	Ceiling Fron Bedroom			3-1				<0.25% Chrysotile
Plaster/Skim Coat - Plaster	Ceiling Bathroom			3-2				0.25% Chrysotile

ATTACHMENT 3

Laboratory Data

SanAir Technologies Laboratory

Analysis Report

prepared for

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

Report Date: 10/15/2015
Project Name: 1159 Beaumont St.
Project #: TK-20B
SanAir ID#: 15032036



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



804.897.1177

www.sanair.com



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

15032036

FINAL REPORT

Name: Turn-Key Environmental Consultants, Inc.
Address: 790 Barnhart Road
Troy, OH 45373

Project Number: TK-20B
P.O. Number:
Project Name: 1159 Beaumont St.

Collected Date: 10/12/2015
Received Date: 10/13/2015 10:25:00 AM
Report Date: 10/15/2015 3:49:10 PM
Analyst: Robertson, Erin

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-1 / 15032036-001 Plaster/ Skim Coat Living Room Wall, Plaster	Grey Non-Fibrous Heterogeneous	3% Hair	97% Other	< 1% Chrysotile
1-1 / 15032036-001 Plaster/ Skim Coat Living Room Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-2 / 15032036-002 Plaster/ Skim Coat Hallway, Plaster	Grey Non-Fibrous Heterogeneous	3% Hair	97% Other	< 1% Chrysotile
1-2 / 15032036-002 Plaster/ Skim Coat Hallway, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-3 / 15032036-003 Plaster/ Skim Coat Dining Room, Plaster	Grey Non-Fibrous Heterogeneous	3% Hair	97% Other	< 1% Chrysotile
1-3 / 15032036-003 Plaster/ Skim Coat Dining Room, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-4 / 15032036-004 Plaster/ Skim Coat 2nd Floor, Plaster	Grey Non-Fibrous Heterogeneous	5% Cellulose 3% Hair	92% Other	< 1% Chrysotile
1-4 / 15032036-004 Plaster/ Skim Coat 2nd Floor, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-5 / 15032036-005 Plaster/ Skim Coat 2nd Floor Back Bedroom, Plaster	Grey Non-Fibrous Heterogeneous	3% Hair	97% Other	< 1% Chrysotile
1-5 / 15032036-005 Plaster/ Skim Coat 2nd Floor Back Bedroom, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: *Erin Robertson*
Date: 10/15/2015

Reviewed: *[Signature]*
Date: 10/15/2015



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

15032036

FINAL REPORT

Name: Turn-Key Environmental Consultants, Inc.
Address: 790 Barnhart Road
Troy, OH 45373

Project Number: TK-20B
P.O. Number:
Project Name: 1159 Beaumont St.

Collected Date: 10/12/2015
Received Date: 10/13/2015 10:25:00 AM
Report Date: 10/15/2015 3:49:10 PM
Analyst: Robertson, Erin

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
2-1 / 15032036-006 Window Glaze 2nd Floor Front Bedroom	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
2-2 / 15032036-007 Window Glaze Stairway Landing	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3-1 / 15032036-008 Plaster/ Skim Coat Ceiling Front Bedroom, Plaster	Grey Non-Fibrous Heterogeneous	3% Hair	97% Other	< 1% Chrysotile
3-1 / 15032036-008 Plaster/ Skim Coat Ceiling Front Bedroom, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3-2 / 15032036-009 Plaster/ Skim Coat Ceiling Bathroom, Plaster	Grey Non-Fibrous Heterogeneous	3% Hair	97% Other	< 1% Chrysotile
3-2 / 15032036-009 Plaster/ Skim Coat Ceiling Bathroom, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
4-1 / 15032036-010 Duct Wrap 2nd Floor Bedroom 2	Beige Fibrous Heterogeneous		30% Other	70% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
4-2 / 15032036-011 Duct Wrap Dining Room	Beige Fibrous Heterogeneous	10% Cellulose	30% Other	60% Chrysotile

Certification

Analyst: *Erin Robertson*
Date: 10/15/2015

Reviewed: *[Signature]*
Date: 10/15/2015



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

15032036

FINAL REPORT

Name: Turn-Key Environmental Consultants, Inc.
Address: 790 Barnhart Road
Troy, OH 45373

Project Number: TK-20B
P.O. Number:
Project Name: 1159 Beaumont St.

Collected Date: 10/12/2015
Received Date: 10/13/2015 10:25:00 AM
Report Date: 10/15/2015 3:49:10 PM
Analyst: Robertson, Erin

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
5-1 / 15032036-012 Ceiling Tile/ Skim Coat 12" Dining Room, Ceiling Tile	Tan Fibrous Homogeneous	98% Cellulose	2% Other	None Detected
5-1 / 15032036-012 Ceiling Tile/ Skim Coat 12" Dining Room, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
5-2 / 15032036-013 Ceiling Tile/ Skim Coat 12" Living Room, Ceiling Tile	Tan Fibrous Homogeneous	98% Cellulose	2% Other	None Detected
5-2 / 15032036-013 Ceiling Tile/ Skim Coat 12" Living Room, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
6-1 / 15032036-014 Linoleum Basement Steps, Linoleum	Brown Non-Fibrous Heterogeneous	25% Cellulose 2% Synthetic	73% Other	None Detected
6-1 / 15032036-014 Linoleum Basement Steps, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
6-2 / 15032036-015 Linoleum Basement Landing, Linoleum	Brown Non-Fibrous Heterogeneous	25% Cellulose 2% Synthetic	73% Other	None Detected
6-2 / 15032036-015 Linoleum Basement Landing, Mastic	Brown Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: *Erin Robertson*
Date: 10/15/2015

Reviewed: *[Signature]*
Date: 10/15/2015



1551 Oakbridge Drive Suite B
 Powhatan, VA 23139
 804-897-1177 / 888-895-1177
 Fax 804-897-0070
 www.sanair.com

**Asbestos
 Chain of Custody**

SanAir ID Number 15032036

Company: Turn-Key Environmental Consultants, Inc.	Project #: TK-208	Collected by: J. Saunders
Address: 790 BarnHart Rd.	Project Name: 1159 BEAUMONT ST.	Phone #: 937-335-8807
City, St., Zip: Troy, OH 45373	Date Collected: 10/12/15	Fax #:
State of Collection: Ohio Account#:	P.O. Number:	Email: TKEC@Turn-keyenvironmental.com

Bulk		Air		Soil/Vermiculite	
ABB	PLM EPA 600/R-93/116 <input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400 <input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.) <input type="checkbox"/>
	Positive Stop <input type="checkbox"/>	ABA-2	OSHA w/ TWA* <input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%) <input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count <input type="checkbox"/>	ABTEM	TEM AHERA <input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%) <input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count <input type="checkbox"/>	ABATN	TEM NIOSH 7402 <input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%) <input type="checkbox"/>
ABBN	PLM EPA NOB <input type="checkbox"/>	ABT2	TEM Level II <input type="checkbox"/>		
ABBCH	TEM Chatfield <input type="checkbox"/>				
ABBTM	TEM EPA NOB <input type="checkbox"/>				
Water		New York ELAP		Dust	
ABHE	EPA 100.2 <input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020 <input type="checkbox"/>	ABWA	TEM Wipe ASTM D-6480 <input type="checkbox"/>
		ABEPA2	NY ELAP 198.1 <input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755 <input type="checkbox"/>
		ABENY	NY ELAP 198.6 PLM NOB <input type="checkbox"/>	Matrix	Other <input type="checkbox"/>
		ABBNY	NY ELAP 198.4 TEM NOB <input type="checkbox"/>		

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	24 HR <input type="checkbox"/>
	2 Days <input checked="" type="checkbox"/>	3 Days <input type="checkbox"/>	4 Days <input type="checkbox"/>	5 Days <input type="checkbox"/>

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start - Stop
	(See attached Bulk Sample Log)				

Relinquished by	Date	Time	Received by	Date	Time
J. Saunders	10/12/15	1:00	MC	OCT 13 2015	10:25AM

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee.

SanAir Technologies Laboratory

Analysis Report

prepared for

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

Report Date: 10/22/2015
Project Name: 1159 Beaumont St.
Project #: TK-20B
SanAir ID#: 15032924



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



804.897.1177

www.sanair.com



SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive, Suite B, Powhatan, VA 23139
804.897.1177 Toll Free: 888.895.1177 Fax: 804.897.0070
Web: <http://www.sanair.com> E-mail: iaq@sanair.com

SanAir ID Number

15032924

FINAL REPORT

Name: Turn-Key Environmental Consultants, Inc.
Address: 790 Barnhart Road
Troy, OH 45373

Project Number: TK-20B
P.O. Number:
Project Name: 1159 Beaumont St.

Collected Date: 10/12/2015
Received Date: 10/20/2015 8:00:00 AM
Report Date: 10/22/2015 2:59:51 PM
Analyst: Robertson, Erin

Asbestos Bulk EPA PLM 400 Point Count

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-1 / 15032924-001 Plaster/ Skim Coat Living Room Wall	Grey Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-2 / 15032924-002 Plaster/ Skim Coat Hallway	Grey Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-3 / 15032924-003 Plaster/ Skim Coat Dining Room	Grey Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-4 / 15032924-004 Plaster/ Skim Coat 2nd Floor	Grey Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1-5 / 15032924-005 Plaster/ Skim Coat 2nd Floor Back Bedroom	Grey Non-Fibrous Homogeneous		99.75% Other	0.25% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3-1 / 15032924-006 Plaster/ Skim Coat Ceiling Front Bedroom	Grey Non-Fibrous Homogeneous		100% Other	< 0.25% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3-2 / 15032924-007 Plaster/ Skim Coat Ceiling Bathroom	Grey Non-Fibrous Homogeneous		99.75% Other	0.25% Chrysotile

Certification

Analyst: *Erin Robertson*

Approved Signatory:

Analysis Date: 10/22/2015

Date: 10/22/2015

Page 1 of 1

15032924

Maria E. Coker

From: Jordan L. Ridgeway
Sent: Monday, October 19, 2015 3:47 PM
To: Maria E. Coker; Melissa L. Logsdon
Cc: Jonathan G. Tallert
Subject: FW: Point Count Analysis

Importance: High

Jordan Ridgeway
Account Executive
SanAir Technologies Laboratory, Inc
1551 Oakbridge Drive, Suite B
Powhatan, Va 23139
Phone: 804.897.1177
Phone: 888.895.1177
Fax 804.897.0070



"The Identification Specialists"
Asbestos, Environmental Microbiology, Legionella, Materials Testing

The information transmitted herewith is sensitive information intended only for use to the individual or entity to which it is addressed. If the reader of this message is not the intended recipient, you are hereby notified that any review, retransmission, dissemination, distribution, copying or other use of, or taking of any action in reliance upon, this information is strictly prohibited. If you have received this communication in error, please contact the sender and delete the material from your computer.

From: Turn-Key Environmental [mailto:tkec@turn-keyenvironmental.com]
Sent: Monday, October 19, 2015 3:46 PM
To: IAQ Forward
Subject: Point Count Analysis

Please perform EPA PLM NOB / EPA PLM 400 Point Count Analysis on the following samples:

- 15032036-001
- 15032036-002
- 15032036-003
- 15032036-004
- 15032036-005
- 15032036-008
- 15032036-009
- Positive Stop

15032041-017

MC

OCT 20 2015

J. CSAM

15032924

Two (2) day TAT for these samples will be fine.

Thanks,

Joe Saunders

--

Turn-Key Environmental Consultants, Inc.

790 Barnhart Road

Troy, Ohio 45373

937-335-8807

www.turn-keyenvironmental.com

15032924



1551 Oakbridge Drive Suite B
Powhatan, VA 23139
804-897-1177 / 888-895-1177
Fax 804-897-0070
www.sanair.com

**Asbestos
Chain of Custody**

SanAir ID Number
15032036

Company: Turn-Key Environmental Consultants, Inc.		Project #: TK-20B	Collected by: J. Saunders
Address: 790 Barnhart Rd.		Project Name: 1159 Beaumont St.	Phone #: 937-335-8807
City, St., Zip: Troy, OH 45373		Date Collected: 10/12/15	Fax #:
State of Collection: Ohio	Account#:	P.O. Number:	Email: TKEC@Turn-keyenvironmental.com

Bulk			Air			Soil/Vermiculite		
ABB	PLM EPA 600/R-93/116	<input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBEN	PLM EPA NOB	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>			
ABBCH	TEM Chatfield	<input type="checkbox"/>						
ABBTM	TEM EPA NOB	<input type="checkbox"/>						
Water			New York ELAP			Dust		
ABHE	EPA 100.2	<input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020	<input type="checkbox"/>	ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
			ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>	Matrix	Other	<input type="checkbox"/>
			ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			<input type="checkbox"/>

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input type="checkbox"/>	24 HR <input type="checkbox"/>
	2 Days <input checked="" type="checkbox"/>	3 Days <input type="checkbox"/>	4 Days <input type="checkbox"/>	5 Days <input type="checkbox"/>

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Type	Flow Rate*	Time* Start - Stop
	(See attached Bulk Sample Log)				

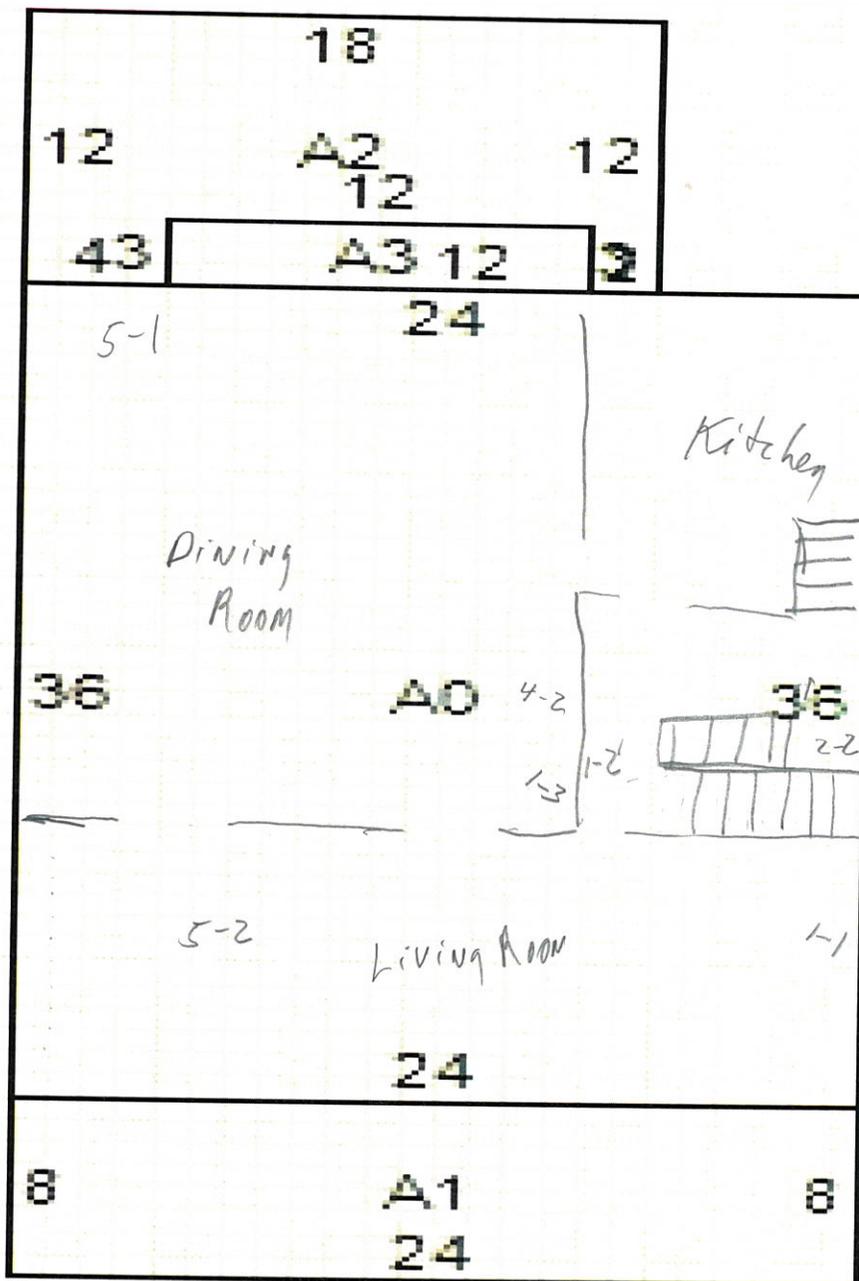
Relinquished by	Date	Time	Received by	Date	Time
<i>J. Saunders</i>	<i>10/12/15</i>	<i>1:00</i>	<i>MC</i>	<i>OCT 13 2015</i>	<i>10:25AM</i>

Unless scheduled, the turn around time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or Holiday work must be scheduled ahead of time and is charged for rush turn around time. Work with standard turn around time sent Priority Overnight and Billed to Recipient will be charged a \$10 shipping fee. Page 1 of 1

MC *OCT 20 2015* *8:09AM*

ATTACHMENT 4

Site Sketch/Photographs



Notes:

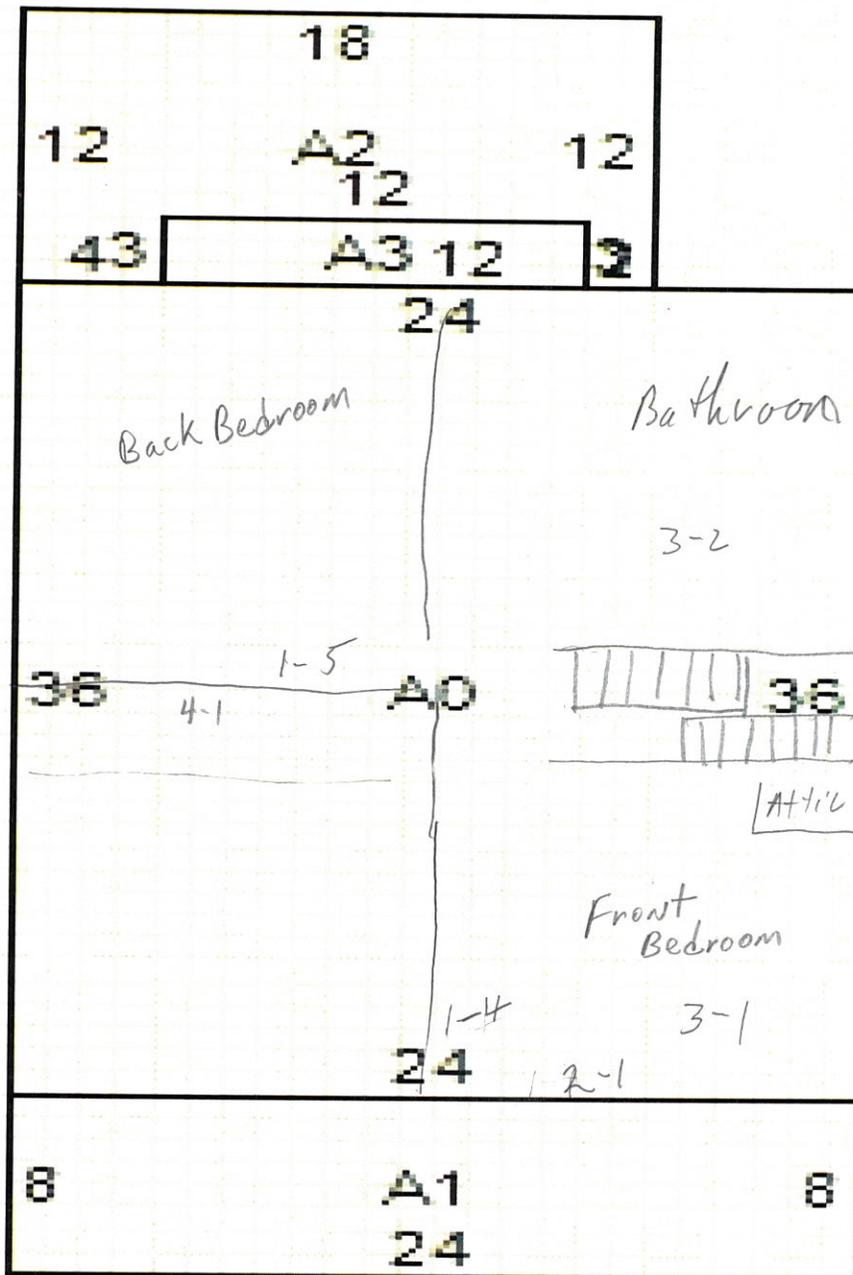
First

FLOOR PLAN

TK-20B_ 1159 Beaumont

L-1 Approximate
Sample Location

L-1* Asbestos > 1%



Notes:

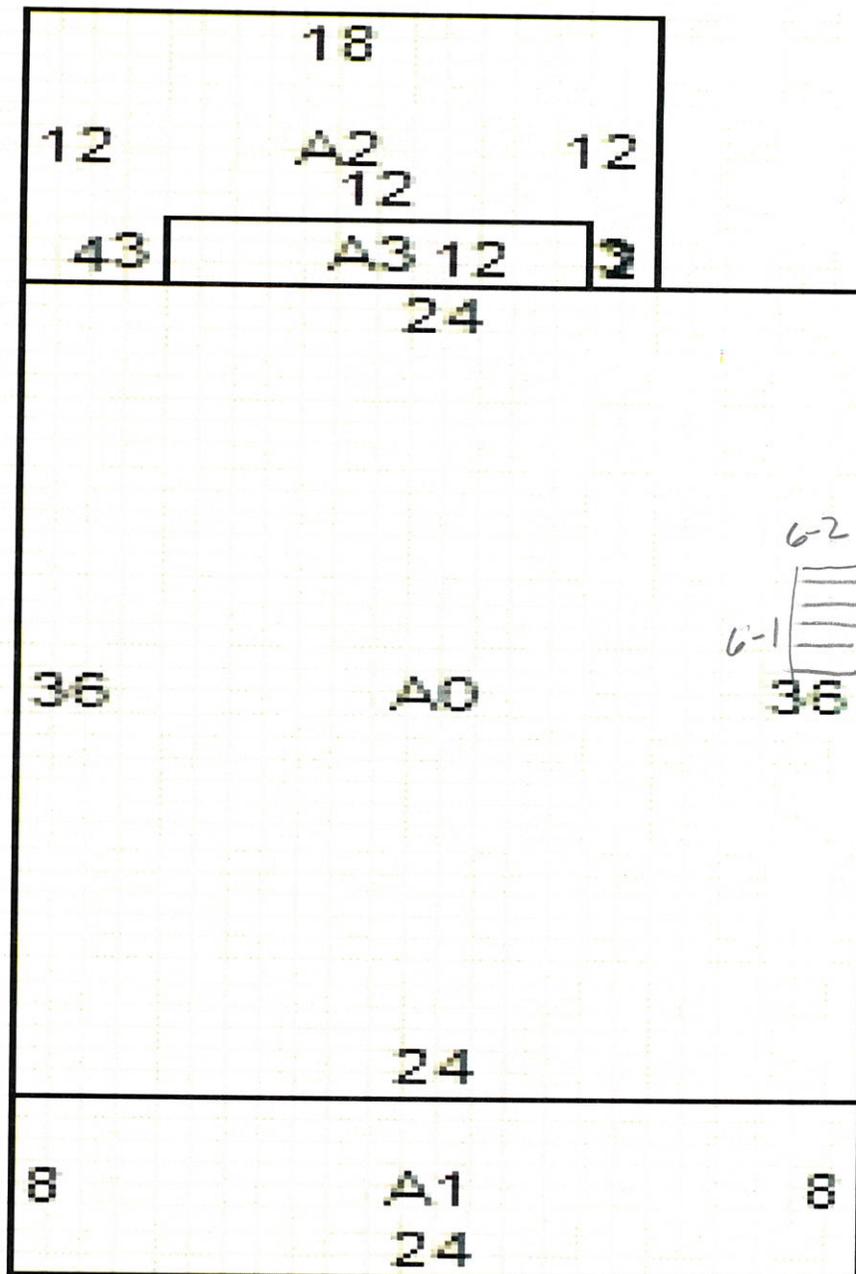
Second

FLOOR PLAN

TK-20B_ 1159 Beaumont

L-1 Approximate
Sample Location

L-1* Asbestos > 1%



Notes:

L-1 Approximate
Sample Location

L-1* Asbestos > 1%

Basement

FLOOR PLAN

TK-20B_ 1159 Beaumont



1159 Beaumont



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 Glazing



Sample 2-2 Window Glazing



Sample 3-1 Plaster/Skim Coat Ceiling



Sample 3-2 Plaster/Skim Coat Ceiling



Sample 4-1 Duct Wrap



Sample 4-2 Duct Wrap



Sample 5-1 Ceiling Tile 12"



Sample 5-2 Ceiling Tile 12"



Sample 6-1 Gray Linoleum



Sample 6-2 Gray Linoleum

ATTACHMENT 5

Inspector's Certification



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