

**Genesee County Land Bank Authority Blight Elimination Program
Request for Proposals- LB 18-005 Environmental Abatement, Demolition and Restoration of
810 S Ballenger Hwy
ADDENDUM #1**

March 30, 2018

The following information is to be incorporated into the bidding and contract documents and acknowledged by all bidders for the above referenced project. Bids submitted that do not acknowledge this Addendum will be deemed incomplete and may be rejected on such basis.

1. **Figures:** Please refer to Attachment 1 for Figures 1-4: Site Maps.
2. **Supplemental Asbestos Survey:** ATC Group Services has been retained by Genesee County Land Bank Authority to assist in bid specification preparation and to conduct project oversight. ATC has completed supplemental sampling of suspect asbestos containing materials. Supplement survey is attached as Attachment 2. Abatement of all identified ACM is to be incorporated into Bid Item 2 and Section 02 82 13.41 ASBESTOS ABATEMENT AND HAZARDOUS/REGULATED MATERIAL REMOVAL FOR TOTAL DEMOLITION PROJECTS.

Each bidder must acknowledge receipt of this addendum on RFP SUBMITTAL REQUIREMENTS CHECKLIST.

****END OF ADDENDUM****

Prepared by:
Genesee County Land Bank
452 S. Saginaw St., Second Floor



ATTACHMENT 1



GENERAL NOTES:

- Perform All Work in Accordance With Specifications, Federal, State, Local Rules and Regulations.
- Obtain All Permits, Waivers, Clearances, Inspections, Etc.
- Submit all Notifications, Applications, Plans, Documentation, Etc.
- Cut and Cap all Utilities with exception of storm drains/catch basins/storm sewers which are to be protected.
- Install SESC Control Measures
- Abate All Asbestos Containing Materials.
- Remove all Hazardous/Universal, Non-Hazardous and Regulated Wastes/Materials.
- Demolish all Above and Below Grade Structures and Improvements within property boundaries.
- Remove all Wastes, Debris, Recyclables, Etc. and Properly Containerize, Transport and Dispose.
- Protect Trees, City Sidewalks, Roads and improvements. Repair at No Cost to Owner.
- Protect Structures and Improvements on all Adjacent Properties, Repair at No Cost to Owner.
- Place and Compact Owner Approved Backfill to 6" Below Grade.
- Rough Grade to Match Adjacent Grades, slope towards existing on site storm drains/catch basins.
- Place 6" Owner Approved Topsoil to Final Grade, Seed, Mulch, Water & Maintain.
- Abatement of Burned/Unsafe Structures: Abate accessible ACM, then Demolish, Containerize, Transport, and Dispose of Burned/Unsafe structure. All Work to be completed by Michigan Licensed Asbestos Contractor, Utilizing Trained and Accredited Abatement Workers in strict accordance with EPA (NESHAPs) and OSHA Requirements including, but not limited: structure/debris adequately wetted to prevent visible emissions, debris placed in leak proof containers, properly transported and disposed.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY (SITE)
- 1 BUILDING NUMBER



46555 HUMBOLDT DRIVE, SUITE 100
NOVI, MI 48377
PH: 248-669-5140
FAX: 248-669-5147
EMAIL: WWW.ATCGROUPSERVICES.COM

DATE:
3/19/18

PROJECT NO.:
188BS18146

DRAWN BY:
LJH

NO SCALE

REVIEWED BY:
MG

FIGURE 1

SITE MAP

GCLBA COMMERCIAL DEMO
810 S. BALLENGER HIGHWAY
FLINT, MICHIGAN



GENERAL NOTES:

- ALTERNATE 3:
- Procure and install, concrete “Jersey Barriers” parallel to City sidewalks in all ROW approaches. See Figure #4 for approximate locations and extent of alternate Work.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY (SITE)
- 1 BUILDING NUMBER
- JERSEY APPROXIMATE LOCATION OF BARRIER



46555 HUMBOLDT DRIVE, SUITE 100
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DATE:
3/27/18

PROJECT NO.:
188BS18146

DRAWN BY:
LJH

NO SCALE

REVIEWED BY:
MG

FIGURE 4

ALTERNATE #3

GCLBA COMMERCIAL DEMO
810 S. BALLENGER HIGHWAY
FLINT, MICHIGAN



GENERAL NOTES:

- ALTERNATE 2:
- Obtain ROW permit(s), pay fee(s), remove driveways in ROW, place Owner approved backfill and topsoil, seed, mulch and water. Replace Contractor damaged City sidewalks, roads, utilities and other improvements in accordance with City requirements at no cost to Owner. See Figure #3 for approximate locations and extent of alternate Work.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY (SITE)
- BUILDING NUMBER
- APPROXIMATE LOCATION OF ROW DRIVEWAY



46555 HUMBOLDT DRIVE, SUITE 100
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DATE: 3/27/18	PROJECT NO.: 188BS18146
DRAWN BY: LJH	NO SCALE
REVIEWED BY: MG	FIGURE 3

ALTERNATE #2

GCLBA COMMERCIAL DEMO
810 S. BALLENGER HIGHWAY
FLINT, MICHIGAN



GENERAL NOTES:

- ALTERNATE 1:
- Obtain right of way (ROW) permit(s), pay fee(s), remove approaches and curb cuts in ROW, construct/install street curbs in accordance with City requirements, place Owner approved backfill and topsoil, seed, mulch and water. Replace Contractor damaged City sidewalks, roads, utilities and other improvements in accordance with City requirements at no cost to Owner. See Figure #2 for approximate locations and extent of alternate Work.

LEGEND

- APPROXIMATE PROPERTY BOUNDARY (SITE)
- BUILDING NUMBER
- APPROXIMATE LOCATION OF APPROACHES



46555 HUMBOLDT DRIVE, SUITE 100
NOVI, MI 48377
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DATE: 3/27/18	PROJECT NO.: 188BS18146
DRAWN BY: LJH	NO SCALE
REVIEWED BY: MG	FIGURE 2

ALTERNATE #1

GCLBA COMMERCIAL DEMO
810 S. BALLENGER HIGHWAY
FLINT, MICHIGAN

ATTACHMENT 2

[illegible]

188BS18146

ENVIRONMENTAL • GEOTECHNICAL
BUILDING SCIENCES • MATERIALS TESTING

Document Information

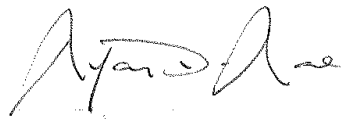
Prepared for Genesee County Land Bank
Project Name 810 S. Ballenger Hwy
File Reference Genesee County.810 Ballenger
Job Reference 188BS18146
Date March 29, 2018

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Document Control

Version	Date	Author	Author Initials	Reviewer	Reviewer Initials
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Final	3/29/2018	Kim Johnson	KJ	Ryan Rae	RR



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Executive Summary

ATC Group Services LLC (ATC) has completed the supplemental pre-demolition asbestos survey for the multi-family residential property (apartment complex) located at 810 S. Ballenger Highway, Flint, Michigan. The information provided in the supplemental pre-demolition asbestos survey is intended to augment the original *Pre-Demolition Hazardous Material Survey*, dated November 23, 2016, prepared by AKT Peerless Environmental and Energy Services (AKT Peerless) and shall not be considered a “Stand Alone” document. Quantities of asbestos containing materials provided in ATC’s supplemental pre-demolition survey are estimates only. The estimate quantities of ACM are provided for informational purposes only and are based on the best information available at the time of the specification preparation. The Abatement Contractor shall satisfy themselves as to the quantity of ACM materials and to the extent of the work.

One hundred ninety-seven (197) samples, taken from ninety-two (92) homogenous areas, were collected and submitted for analysis by PLM. The results of laboratory testing during the pre-demolition asbestos survey conducted at the property indicate that twenty-one (21) of the materials sampled were found to contain asbestos.

Based upon the drywall system composite sample results of drywall system samples collected by AKT Peerless, sample results were less than 1% asbestos, and therefore are not regulated by NESHAP, however it is regulated by MIOSHA as Class II work. Contractors that perform Work shall be a licensed abatement contractor and shall comply with all requirements of Class II work.

Non-friable, suspect ACM’s such as roofing material, shall not be subjected to abrasion, grinding, sanding or any other processes during demolition activities which will render these non-friable materials friable.

Based on the NESHAP (National Emission Standards for Hazardous Air Pollutants) non-friable Category I ACM and Category I non-friable PACM roofing materials that are asphalt/tar based can be demolished with a building so long as it is in good condition and will not be cut, pounded, sanded, or grinded during demolition, and that measures are taken to ensure that it does not become friable, at which point will be considered RACM. However, Genesee County Land Bank Authority (GCLBA) policy requires Contractor to abate resilient floor coverings, prior to the demolition. Additionally, if demolition materials are going to be recycled, the Category I materials must be removed from the building prior to demolition activities. Additionally, it is the policy and practice of the GCLBA to abate what can feasibly be abated despite the condition of the structure, whether or not a structure will ultimately be demolished as asbestos containing (ordered/emergency demolition). Conditions inhibiting the abatement of ACM must be thoroughly documented, justified, and approved by the GCLBA and ATC prior to demolition. In addition, all roofing materials shall not be recycled if they contain ACM.

Lead containing paint sampling was not conducted as part of the scope of work and Contractors performing work at the site should assume materials within the building contain levels of lead above the detection limit. Contractors working onsite follow the OSHA Lead in Construction Standard to ensure the protection of their workers during demolition activities.

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1 Introduction

1.1 Purpose

The purpose of this project was to conduct a supplemental pre-demolition asbestos survey at the multi-family residential property (apartment complex) located at 810 S. Ballenger Highway, Flint, Michigan, (herein referred to as “the property”).

1.2 Pre-Demolition Asbestos & Regulated Material Survey

The scope of the supplemental pre-demolition asbestos survey included the following:

- > Review of existing asbestos reports for the building, if available;
- > Survey of the property building(s);
- > Identification of accessible suspect asbestos-containing materials (ACMs); and
- > Collection and analysis of bulk samples of suspect friable and non-friable materials.

2 General Site Conditions

2.1 General Property and Building Information

General property and building information is presented in the following table:

Table 2-1 General Property and Building Information

Date of Inspection:	March 23, 2018
Inspector(s):	Joseph Seibert, Inspector Number A51777 Branden C. Tincu, Inspector Number A39513
Property Address:	810 S. Ballenger Highway, Flint, Michigan, 48505
Parcel Number(s):	NA
Property Owner	Genesee County Land Bank
Property Owner Address	452 S. Saginaw Street, Flint, Michigan, 48502
Property Owner Telephone No.	810-257-3088 Ext. 539
Building Construction Date:	NA
Date(s) of Significant Renovations:	NA
Building Description:	NA
Building Square Footage (Approximate):	NA

3 Pre-Demolition Asbestos Survey

ATC representatives, Mr. Joseph Seibert and Mr. Branden C. Tincu, conducted the supplemental pre-demolition asbestos inspection of the property buildings on March 23, 2018. Mr. Seibert and Mr. Tincu are State of Michigan Certified Asbestos Inspectors (Certification Nos. A51777 and A37593 respectively). Bulk samples of suspect ACMs were collected and placed into individual containers for transport to a National Voluntary Lab Accreditation Program (NVLAP)-accredited laboratory for analysis. Materials typically known as non-asbestos items (i.e. fibrous glass, foam rubber, wood, etc.) were not sampled. The asbestos inspection consisted of the following three basic procedures:

- > Conducting a visual inspection of the structures;
- > Identifying homogeneous areas (HAs) of suspect surfacing, thermal system insulation, and miscellaneous materials; and
- > Sampling accessible, friable and non-friable suspect materials.

3.1 Homogeneous Areas

Prior to collecting any samples, homogenous areas (HAs) were identified. A homogeneous sampling area can be described as one or more areas of material that are similar in appearance and texture and that have the same apparent installation date, appearance and function. Actual number of samples collected from each homogeneous sampling area may vary, based on the type of material and professional opinion of the inspector.

3.2 Hazard Assessment Factors

From the list of suspect homogeneous areas, a physical assessment was performed for each material on the list. A physical assessment includes evaluating the condition, assessing the potential for disturbance, and determining the friability of each material. By definition, "friable" materials are those that can be crumbled or reduced to powder by hand pressure when dry. Each material identified was further classified into one of three categories: surfacing materials, thermal systems insulation (TSI) and miscellaneous materials. Each of the three categories have specific sampling requirements, outlined below.

- > *Surfacing Materials*: Refers to spray-applied or trowelled surfaces such as plaster ceilings and walls, fireproofing, textured paints, textured plasters, and spray-applied acoustical surfaces.
- > *Thermal System Insulation*: Refers to insulation used to inhibit heat gain or loss on pipes, boilers, tanks, ducts, and various other building components.
- > *Miscellaneous Materials*: Refers to friable and non-friable products and materials that do not fit in any of the above two categories such as resilient floor covering, baseboards, mastics, adhesives, roofing material, caulking, glazing, and siding. This category also contains wallboard and ceiling tile.

All materials were assessed related to their condition in one of the three categories: good (intact), fair (damaged) or poor (significantly damaged) per Title 40 Code of Federal Regulations Part 763. Material with localized, significant damage was also assessed as poor.

3.3 Laboratory Analytical Methodology

Bulk samples were analyzed by Apex Research, Inc., 11054 Hi Tech Drive, Whitmore Lake, Michigan 48189, using polarized-light microscopy (PLM) and dispersion staining (Method Reference: 40 CFR Part 763, Volume 47, No. 103, May 27, 1982 pg. 23376). This laboratory participates in the National Voluntary Laboratory Accreditation Program (NVLAP #102118-0), a quality assurance program for PLM analysis, and is accredited by the National Institute of Standards and Technology (NIST) as well as accreditation requirements under 15 CFR Part 25.

Copies of the laboratory analytical report and corresponding chain-of-custody forms are included in **Appendix A**. Positive sample results are reported in percent asbestos by volume of the sample and the type of asbestos material

within the sample. Other common non-asbestos components may also be noted on the analytical reports. Inspector and laboratory accreditations are provided in **Appendix B**.

3.4 Sampling Results

Bulk samples were collected from the site building and analyzed by polarized light microscopy (PLM), EPA Method 600/R-93/116. Twenty-one (21) of the materials sampled were found to contain concentrations of asbestos. The following table provides a summary of accessible suspect and confirmed ACMs from the Site buildings:

Table 3-1 ACM Sampling Results

RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018						
Sample ID/Material	Material Description	Location of Materials	Condition	Friable Yes/No	Estimated Quantity	Asbestos Content
Group 1 (Building 3 and 5)						
1-WG-A,B	Window glaze, Vertical/openable basement windows (15)	Exterior	Good	No	15 windows/340 LF	ND
2-WG-A,B	Window glaze, 2 pane small windows (45)	Exterior	Good	No	45 windows/360 LF	2% Chrysotile
3-VB-A,B	Vapor board,	Exterior walls	Good	No	40,000 SF	ND
4-EC-A,B	Exterior caulk, Dark gray	On all basement windows	Good	No	30 SF	2% Chrysotile
5-EC-A,B	Exterior caulk, light gray	Used at expansion joint and brick cracks	Good	No	200 LF	ND
6-EC-A,B	Exterior caulk, light gray with sparkles	On wood around all windows and doors	Good	No	130 SF	2% Chrysotile
7-EC-A,B	Exterior caulk, painted blue	On mailboxes (34 mailboxes)	Good	No	6 SF	5% Chrysotile
8-GM-A,B	Ceramic tile grout and mortar, 4" white	Debris around building	Good	No	100 SF	ND
9-BM-A,B	Brick mortar, exterior	Exterior brick	Good	No	20,000 SF	ND
10-BM-A,B	Block mortar, interior	Basements	Good	No	15,000 SF	ND
11-CC-A,B	Concrete chip, poured walls	Interior basement	Good	No	27,000 SF	ND
12-CC-A,B	Concrete chip, floor	Interior basement floor	Good	No	27,000 SF	ND
13-VP-A,B	Vapor paper	Under floors	Good	No	54,000 SF	ND
14-GM- A,B	Ceramic tile grout and mortar, 4" blue gray	Bathroom walls	Good	No	200 SF	ND
15-GM-A,B	Ceramic tile grout and mortar, 1"x1" blue gray	Bathroom floors	Good	No	160 SF	ND
16-CC-A,B	Concrete Chip,	Window sills	Good	No	150 SF	ND
17-WBS-A,B,C	Wall-board system, tape and mud	Throughout buildings in group 1	Good	No	24,000 SF	ND
18-BI-A,B,C	Blown in insulation, brown	Exterior walls	Good	No	700 CY	ND

RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018						
Sample ID/Material	Material Description	Location of Materials	Condition	Friable Yes/No	Estimated Quantity	Asbestos Content
19-WG-A,B	Window glaze,	Interior fire door with reinforced glass	Good	No	160 LF	10% Chrysotile
20-WG-A,B	Window glaze,	Stairwell windows, tilt in	Good	No	72 LF	ND
21-EC-A,B	Exterior caulk,	Along roof board	Good	No	1000 LF	ND
22-CA-A,B	Construction adhesive,	Bathroom sinks	Good	No	160 LF	ND
23-SC-A,B,C	Stack cement	FS 445, 417, 448	Good	No	20 SF	10% Chrysotile
24-CA-A,B	Construction adhesive	Kitchen counters	Good	No	200 LF	ND
25-FT-A,B	Floor tile, 9"x9" green	FS 445 west end	Good	No	80 SF	10% Chrysotile
26-FS-A,B	Floor sheeting, red	FS 445 storage closet 43	Good	No	40 SF	ND
27-BM-A,B	Brick mortar, black mastic	Basements (black mastic)	Good	No	500 LF	ND
28-FD-A,B	Fire door	Throughout	Good	No	15 doors	45% Chrysotile
Group 2 (Building 4)						
1-BM-A,B	Brick mortar	Exterior brick	Good	No	500 CY	ND
2-CC-A,B	Concrete chip	Poured walls	Good	No	500 CY	ND
3-CC-A,B	Concrete chip	Front porch and rear porch	Good	No	260 SF	ND
4-CC-A,B	Concrete chip	Basement floors	Good	No	5,000 SF	No sample received
5-IC-A,B	Interior Caulk	On cabinets	Good	No	300 LF	ND
6-CC-A,B	Concrete chip	Window sills	Good	No	50 SF	ND
7-TU-A,B	Tub undercoating, black	Bathtubs	Good	No	80 SF	5% Chrysotile
8-VB-A,B	Vapor board	Under exterior brick	Good	No	8,800 SF	ND
9-VP-A,B	Vapor paper	Under wood floors	Good	No	8,000 SF	ND
10-WG-A,B	Window glaze	2 pane basement windows (30)	Good	No	30 windows/250 LF	0.25% Chrysotile (PC)
11-SC-A,B,C,D,E	Stack Cement	Chimney stacks Units 29-38	Good	No	60 SF	2% Chrysotile
12-EC-A,B	Exterior caulk	On brick, roofline, doors, windows, basement windows mailboxes	Good	No	160 SF	2% Chrysotile
13-EC-A,B	Exterior caulk	On aluminium overhangs at doors	Good	No	40 LF	ND

RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018						
Sample ID/Material	Material Description	Location of Materials	Condition	Friable Yes/No	Estimated Quantity	Asbestos Content
14-BM-A,B	Brick mortar	Patching around air conditioning units	Good	No	30 SF	ND
15-GM-A,B	Ceramic tile grout and mortar, 4" light blue/gray	Throughout building on bathroom walls	Good	No	800 SF	ND
16-GM-A,B	Ceramic tile grout and mortar, 1"x2" light blue/gray	Throughout building on bathroom floors	Good	No	400 SF	ND
17-CA-A,B	Construction adhesive, panel board tan	Throughout building on kitchen backsplash	Good	No	160 LF	ND
18-CA-A,B	Construction adhesive, panel board white	Throughout building	Good	No	200 LF	ND
19-WBS-A,B,C	Wall-board system, tape and mud	Throughout building	Good	No	9,000 SF	0.25% Chrysotile – Joint Compound (PC) ND – Wallboard/Drywall
20-IC-A,B	Interior caulk	In bathrooms on 4" tile	Good	No	300 LF	ND
21-BM-A,B	Black mastic	On basement joists	Good	No	500 LF	ND
22-FT-A,B	Floor tile, 9"x9" beige with tan speckle	FS 377 unit 38	Good	No	20 SF	5% Chrysotile
23-FS-A,B	Floor sheeting, 5" square linoleum	Bar top FS377 unit 38	Good	No	14 SF	ND
24-FT-A,B	Floor tile, 9" tan and beige	Basement unit 29	Good	No	30 SF	5% Chrysotile
25-CT-A,B	Ceiling tile, 12' Smooth	Basement unit 29 and unit 36	Good	No	80 SF	ND
26-FS-A,B	Floor sheeting, 8" square brown stone	Unit 32	Good	No	60 SF	ND
27-CA-A,B	Construction adhesive black in kitchen	Unit 30	Good	No	100 LF	5% Chrysotile
28-MLF-A,B	Multi-layer flooring	Kitchen unit 30	Good	No	80 SF	30% Chrysotile
29-FT-A,B	Floor tile, 12" beige with brown mottle	Unit 34,31,29,37,38	Good	No	500 SF	ND
30-FT-A,B	Floor tile, 12" beige with black mottle	Unit 33,35	Good	No	200 SF	ND
31-MLF-A,B	Multi-layer flooring	Unit 36	Good	No	80 SF	ND
Group 3 (Building 1 and 2)						
1-VB-A,B	Vapor Board	Behind exterior brick	Good	No	18,000 SF	ND
2-VP-A,B	Vapor paper	Under wood floors	Good	No	16, 000 SF	ND
3-WG-A,B	Window glaze	Aluminium frame windows	Good	No	150 LF	ND
4-WG-A,B	Window glaze	Basement metal old windows	Good	No	600 LF	ND
5-WG-A,B	Window glaze	Basement metal new windows	Good	No	400 LF	ND

RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018						
Sample ID/Material	Material Description	Location of Materials	Condition	Friable Yes/No	Estimated Quantity	Asbestos Content
6-EC-A,B	Exterior Caulk	Doors, windows, basement windows, mailboxes	Good	No	242 SF	5% Chrysotile
7-EC-A,B	Exterior Caulk	Air conditioning units	Good	No	140 LF	ND
8-WBS-A,B,C	Wall-board system	Throughout the buildings	Good	No	24,500 SF	0.5% Chrysotile – Joint Compound (PC) ND – Wallboard/Drywall *
9-SC-A,B,C,D,E	Stack cement	Chimney stacks in the buildings	Good	No	60 SF	ND
10-EC-A,B	Exterior Caulk	On porch metal poles	Good	No	30 LF	ND
11-BM-A,B	Brick mortar	Exterior	Good	No	30,000 SF	ND
12-CC-A,B	Concrete chip	Porches	Good	No	80 CY	ND
13-CC-A,B	Concrete chip	Window sills	Good	No	50 SF	ND
14-FI- A,B	Felt insulation	Air conditioning units	Good	No	400 SF	ND
15-IC-A,B	Interior caulk	Window frames	Good	No	300 LF	ND
16-IC-A,B	Interior caulk	Kitchen cabinets	Good	No	100 LF	ND
17-WB-A,B	Wall-board	Green board in basement of unit 1	Good	No	20 SF	ND
18-DG-A,B	Door gasket	FS 11	Good	No	20 LF	ND
19-CC-A,B	Concrete chip	Poured walls	Good	No	400 CY	ND
20-CC-A,B	Concrete chip	Basement floors	Good	No	12,000 SF	ND
21-WG-A,B	Window glaze	Egress windows	Good	No	60 LF	Trace Chrysotile (PC)
22-CT-A,B	Ceiling tile, 12" smooth	FS 173	Good	No	80 SF	ND
23-TU-A,B	Tub undercoating	Bathrooms	Good	No	150 SF	5% Chrysotile
24-DW-A,B,C	Duct wrap	Basement of unit 4	Good	No	1 SF	60% Chrysotile
25-GM-A,B	Ceramic tile grout and mortar, 1"x1" gray	Bathroom walls	Good	No	1,100 SF	ND
26-GM-A,B	Ceramic tile grout and mortar, 4"x4" gray	Bathroom floors	Good	No	820 SF	ND
27-FS-A,B	Floor sheeting, Beige with tan crackle	FS 141	Good	No	60 SF	ND
28-WG-A,B	Window glaze	Aluminium window, unit 16 and 28	Good	No	120 LF	5% Chrysotile

RESIDENTIAL PROPERTY 810 S. BALLENGER HIGHWAY FLINT, MICHIGAN 48505 SAMPLED MARCH 23, 2018						
Sample ID/Material	Material Description	Location of Materials	Condition	Friable Yes/No	Estimated Quantity	Asbestos Content
29-GM-A,B	Ceramic tile grout and mortar, 12"x12" Beige	FS 163, 164	Good	No	120 SF	ND
30-FT-A,B	Floor tile, 9"x9" beige wood grain	FS 196	Good	No	60 SF	5% Chrysotile – FT 5% Chrysotile - Mastic
31-CP-A,B	Ceiling panel, 18"x3' smooth	FS 196	Good	No	80 SF	ND
32-BM-A,B	Black mastic	All basements (rope insulation)	Good	No	508 LF	5% Chrysotile
31-VP-A,B	Vapor Paper	Exterior wall, FS 117	Good	No	100 SF	ND
ND: None Detected		s.f./l.f/c.y.: square feet/linear feet/cubic yard	VFT: Vinyl Floor Tile			
NA: Not Applicable		M: Miscellaneous	S: Surfacing			
TSI: Thermal System Insulation		PACM: Presumed ACM	NQ: Not Quantified			
NESHAP						
RACM: Regulated ACM		Cat. I: Category I Non-Friable ACM		Cat. II: Category II Non-Friable ACM		

*Based upon the drywall system composite sample results of drywall system samples collected by AKT Peerless, sample results were less than 1% asbestos, and therefore are not regulated by NESHAP, however it is regulated by MIOSHA as Class II work. Contractors that perform Work shall be a licensed abatement contractor and shall comply with all requirements of Class II work.

In the event additional suspect material is discovered during demolition activities, this material should be treated as presumed asbestos-containing material (PACM) in accordance with regulations 29 CFR 1926.1101 and 1910.1001 and other applicable state and local regulations and either sampled to confirm or nullify asbestos content or be treated as ACM and abated at no additional cost to the GCLBA.

4 Conclusions and Recommendations

4.1 Asbestos-Containing Materials

The results of laboratory testing during the pre-demolition asbestos survey conducted at the property indicate that twenty-one (21) of the materials sampled were found to contain asbestos. If these materials cannot be removed safely prior to demolition, the Contractor performing the work should comply with all requirements of OSHA and all building materials should be treated as ACM waste and disposed according to the requirements of NESHAP. If materials identified to contain asbestos can be removed safely they should be removed prior to demolition by a licensed abatement company.

Based upon the drywall system composite sample results of drywall system samples collected by AKT Peerless, sample results were less than 1% asbestos, and therefore are not regulated by NESHAP, however it is regulated by MIOSHA as Class II work. Contractors that perform Work shall be a licensed abatement contractor and shall comply with all requirements of Class II work.

Access to some areas within the structure were limited due to unsafe conditions and materials not identified in this report may be present within the building. The approximate quantity of asbestos materials and materials contaminated with asbestos were estimated and Contractors that intend to bid on removal of this material should not rely on the exact quantities estimated in this report. Contractors should conduct an assessment of the property to determine the time and effort required to complete the scope of work for the proper removal and disposal of asbestos and asbestos contaminated materials.

Non-friable ACM's shall not be subjected to abrasion, grinding, sanding or any other processes during renovation activities which will render these non-friable materials friable.

Based on the NESHAP (National Emission Standards for Hazardous Air Pollutants) non-friable Category I ACM and Category I non-friable PACM roofing materials that are asphalt/tar based can be demolished with a building so long as it is in good condition and will not be cut, pounded, sanded, or grinded during demolition, and that measures are taken to ensure that it does not become friable, at which point will be considered RACM. However, Genesee County Land Bank Authority 's (GCLBA) policy requires Contractor to abate resilient floor coverings, prior to the demolition. Additionally, if demolition materials are going to be recycled, the Category I materials must be removed from the building prior to demolition activities. Additionally, it is the policy and practice of the GCLBA to abate what can feasibly be abated despite the condition of the structure, whether or not a structure will ultimately be demolished as asbestos containing (ordered/emergency demolition). Conditions inhibiting the abatement of ACM must be thoroughly documented, justified, and approved by the GCLBA and ATC prior to demolition. In addition, all roofing materials shall not be recycled if they contain ACM.

This statement is in lieu of other statements either expressed or implied. This report does not warrant against changes to material from future operations or conditions, nor does it warrant against operations or conditions against present ACM materials.

The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

810 S. Ballenger Hwy

APPENDIX A

ASBESTOS LABORATORY REPORTS

March 29, 2018

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 01
Cust. #: 1-BM-A
Material: Brick Mortar
Location: Exterior Brick
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 02
Cust. #: 1-BM-B
Material: Brick Mortar
Location: Exterior Brick
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 03
Cust. #: 2-CC-A
Material: Concrete Chip/Plaster
Location: Poured Walls
Appearance: white,nonfibrous,nonhomogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Robert T. Letarte Jr., Laboratory Director

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Date Received: 03/27/18
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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 03a
Cust. #: 2-CC-A
Material: Mortar
Location: Poured Walls
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 04
Cust. #: 2-CC-B
Material: Concrete Chip/Mortar
Location: Poured Walls
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 05
Cust. #: 3-CC-A
Material: Concrete Chip
Location: Front Porch and Rear Porch
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 06
Cust. #: 3-CC-B
Material: Concrete Chip
Location: Front Porch and Rear Porch
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 07
Cust. #: 4-CC-A
Material: Concrete Chip
Location: Basement Floors
Appearance:
Layer: of

Asbestos Present:

NO SAMPLE RECEIVED

Lab ID #: 75873 - 08
Cust. #: 4-CC-B
Material: Concrete Chip
Location: Basement Floors
Appearance:
Layer: of

Asbestos Present:

NO SAMPLE RECEIVED

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 09
Cust. #: 5-IC-A
Material: Interior Caulk
Location: On Cabinets
Appearance: grey,nonfibrous,nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 10
Cust. #: 5-IC-B
Material: Interior Caulk
Location: On Cabinets
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 11
Cust. #: 6-CC-A
Material: Concrete Chip
Location: Window Sills
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75873 - 12 Cust. #: 6-CC-B Material: Concrete Chip Location: Window Sills Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Other - 98%
Lab ID #: 75873 - 13 Cust. #: 7-TU-A Material: Tub Undercoating, Black Location: Bathtubs Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 75873 - 14 Cust. #: 7-TU-B Material: Tub Undercoating, Black Location: Bathtubs Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

For Layered Samples, each component will be analyzed and reported separately.

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Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75873 - 15 Cust. #: 8-VB-A Material: Vapor Board Location: Under Exterior Brick Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 60% Other - 40%
Lab ID #: 75873 - 16 Cust. #: 8-VB-B Material: Vapor Board Location: Under Exterior Brick Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 60% Other - 40%
Lab ID #: 75873 - 17 Cust. #: 9-VP-A Material: Vapor Paper Location: Under Wood Floors Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75873 - 18 Cust. #: 9-VP-B Material: Vapor Paper Location: Under Wood Floors Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 75873 - 19 Cust. #: 10-WG-A Material: Window Glaze Location: 2 Pane Basement Windows (30) Appearance: grey, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75873 - 20 Cust. #: 10-WG-B Material: Window Glaze Location: 2 Pane Basement Windows (30) Appearance: grey, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Other - >99%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 20-pc
Cust. #: 10-WG-B
Material: Window Glaze
Location: 2 Pane Basement Windows (30)
Appearance: grey, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
Chrysotile - 0.25%

POINT COUNT RESULT

Other - 99.75%

Lab ID #: 75873 - 21
Cust. #: 11-SC-A
Material: Stack Cement
Location: Chimney Stacks
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

Lab ID #: 75873 - 22
Cust. #: 11-SC-B
Material: Stack Cement
Location: Chimney Stacks
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 23
Cust. #: 11-SC-C
Material: Stack Cement
Location: Chimney Stacks
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75873 - 24
Cust. #: 11-SC-D
Material: Stack Cement
Location: Chimney Stacks
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75873 - 25
Cust. #: 11-SC-E
Material: Stack Cement
Location: Chimney Stacks
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 26
Cust. #: 12-EC-A
Material: Ext. Caulk, On Brick, Roofline, Doors
Location: Windows, Bsmt Windows Mailboxes
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

Lab ID #: 75873 - 27
Cust. #: 12-EC-B
Material: Ext. Caulk, On Brick, Roofline, Doors
Location: Windows, Bsmt Windows Mailboxes
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75873 - 28
Cust. #: 13-EC-A
Material: Exterior Caulk
Location: On Aluminum Overhangs at Doors
Appearance: beige, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 29
Cust. #: 13-EC-B
Material: Exterior Caulk
Location: On Aluminum Overhangs at Doors
Appearance: white,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 30
Cust. #: 14-BM-A
Material: Brick Mortar
Location: Patching Around Air Conditioning Units
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 31
Cust. #: 14-BM-B
Material: Brick Mortar
Location: Patching Around Air Conditioning Units
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 32
Cust. #: 15-GM-A
Material: Ceramic Tile 4" Lt Blue/Grey Grout
Location: Throughout Building
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 32a
Cust. #: 15-GM-A
Material: Mortar
Location: Throughout Building
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 33
Cust. #: 15-GM-B
Material: Ceramic Tile 4" Lt Blue/Grey Grout
Location: Throughout Building
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 33a
Cust. #: 15-GM-B
Material: Mortar
Location: Throughout Building
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 34
Cust. #: 16-GM-A
Material: Ceramic 1"x2" Lt Blue/Grey, Grout/Mortar
Location: Throughout Building
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 35
Cust. #: 16-GM-B
Material: Ceramic 1"x2" Lt Blue/Grey, Grout/Mortar
Location: Throughout Building
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 2
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75873
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 36
Cust. #: 17-CA-A
Material: Construction Adhesive, Panel Board Tan
Location: Throughout Building
Appearance: yellow, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 20%
Other - 80%

Lab ID #: 75873 - 37
Cust. #: 17-CA-B
Material: Construction Adhesive, Panel Board Tan
Location: Throughout Building
Appearance: yellow, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 38
Cust. #: 18-CA-A
Material: Construction Adhesive
Location: Panel Board White - Throughout Building
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 39
Cust. #: 18-CA-B
Material: Construction Adhesive
Location: Panel Board White - Throughout Building
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 40
Cust. #: 19-WBS-A
Material: Wallboard/Drywall
Location: Throughout Building
Appearance: white, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 20%
Other - 80%

Lab ID #: 75873 - 40a
Cust. #: 19-WBS-A
Material: Joint Compound
Location: Throughout Building
Appearance: white, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 40a-pc
Cust. #: 19-WBS-A
Material: Joint Compound
Location: Throughout Building
Appearance: white, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
Chrysotile - Trace

POINT COUNT RESULT

Other - 100%

Lab ID #: 75873 - 41
Cust. #: 19-WBS-B
Material: Joint Compound
Location: Throughout Building
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

Lab ID #: 75873 - 41-pc
Cust. #: 19-WBS-B
Material: Joint Compound
Location: Throughout Building
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
Chrysotile - 0.25%

POINT COUNT RESULT

Other - 99.75%

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Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75873 - 41a Cust. #: 19-WBS-B Material: Wallboard/Drywall Location: Throughout Building Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 75873 - 42 Cust. #: 19-WBS-C Material: Wallboard/Drywall Location: Throughout Building Appearance: grey,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 75873 - 42a Cust. #: 19-WBS-C Material: Joint Compound Location: Throughout Building Appearance: beige,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO Chrysotile - <1%	Other - >99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75873 - 42a-pc Cust. #: 19-WBS-C Material: Joint Compound Location: Throughout Building Appearance: beige,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT	Other - 100%
Lab ID #: 75873 - 43 Cust. #: 20-IC-A Material: Interior Caulk Location: In Bathrooms on 4" Tile Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75873 - 44 Cust. #: 20-IC-B Material: Interior Caulk Location: In Bathrooms on 4" Tile Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 45
Cust. #: 21-BM-A
Material: Black Mastic
Location: On Basement Joists
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 46
Cust. #: 21-BM-B
Material: Black Mastic
Location: On Basement Joists
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 47
Cust. #: 22-FT-A
Material: Floor Tile 9"x9" Beige w/ Tan Specks
Location: FS 377 Unit 38
Appearance: brown,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 48
Cust. #: 22-FT-B
Material: Floor Tile 9"x9" Beige w/ Tan Specks
Location: FS 377 Unit 38
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75873 - 49
Cust. #: 23-FS-A
Material: Floor Sheeting 5" Square Linoleum
Location: Bar Top FS377 Unit 38
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 20%
Other - 80%

Lab ID #: 75873 - 50
Cust. #: 23-FS-B
Material: Floor Sheeting 5" Square Linoleum
Location: Bar Top FS377 Unit 38
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 10%
Fiberglass - 10%
Other - 80%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 51
Cust. #: 24-FT-A
Material: Floor Tile 9" Tan/Beige
Location: Basement Unit 29
Appearance: brown, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75873 - 51a
Cust. #: 24-FT-A
Material: Mastic
Location: Basement Unit 29
Appearance: black, nonfibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 52
Cust. #: 24-FT-B
Material: Floor Tile 9" Tan/Beige
Location: Basement Unit 29
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 53
Cust. #: 25-CT-A
Material: Ceiling Tile, 12' Smooth
Location: Basement Unit 29 and Unit 36
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75873 - 54
Cust. #: 25-CT-B
Material: Ceiling Tile, 12' Smooth
Location: Basement Unit 29 and Unit 36
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75873 - 55
Cust. #: 26-FS-A
Material: Floor Sheeting, 8" Square Brown Stone
Location: Unit 32
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 10%
Other - 90%

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Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 56
Cust. #: 26-FS-B
Material: Floor Sheeting, 8" Square Brown Stone
Location: Unit 32
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 10%
Other - 90%

Lab ID #: 75873 - 57
Cust. #: 27-CA-A
Material: Construction Adhesive, Black
Location: In Kitchen, Unit 30
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75873 - 58
Cust. #: 27-CA-B
Material: Construction Adhesive, Black
Location: In Kitchen, Unit 30
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 59
Cust. #: 28-MLF-A
Material: Multilayer Flooring/Linoleum
Location: Kitchen Unit 30
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **YES**
Chrysotile - 30%

Other - 70%

Lab ID #: 75873 - 59a
Cust. #: 28-MLF-A
Material: Multilayer Flooring
Location: Kitchen Unit 30
Appearance: brown, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **YES**
Chrysotile - 30%

Other - 70%

Lab ID #: 75873 - 60
Cust. #: 28-MLF-B
Material: Multilayer Flooring/Linoleum
Location: Kitchen Unit 30
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 61
Cust. #: 29-FT-A
Material: Floor Tile, 12" Beige w/ Brown Mottle
Location: Unit 34, 31, 29, 37, 38
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 62
Cust. #: 29-FT-B
Material: Floor Tile, 12" Beige w/ Brown Mottle
Location: Unit 34, 31, 29, 37, 38
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 63
Cust. #: 30-FT-A
Material: Floor Tile, 12" Beige w/ Black Mottle
Location: Unit 33, 35
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 64
Cust. #: 30-FT-B
Material: Floor Tile, 12" Beige w/ Black Mottle
Location: Unit 33, 35
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 65
Cust. #: 31-MLF-A
Material: Multilayer Flooring
Location: Unit 36
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 65a
Cust. #: 31-MLF-A
Material: Multilayer Flooring
Location: Unit 36
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75873 - 66
Cust. #: 31-MLF-B
Material: Multilayer Flooring
Location: Unit 36
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75873 - 66a
Cust. #: 31-MLF-B
Material: Multilayer Flooring
Location: Unit 36
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

For Layered Samples, each component will be analyzed and reported separately.

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Robert T. Letarte Jr., Laboratory Director

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Apex Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449-9990, Fax: (734) 449-9991.

Web Site: <http://apexresearch-inc.com>

3Client Name: ATC Group Services Date of Survey: 3-23-2018

Address: 46555 Humboldt Drive, Suite 100

City, St., Zip: Novi, MI 48377

Phone: (248) 669-5140

Fax: (248)-669-5147

Project: 810 S. Ballenger Highway-Group 2

Project #: 188BS18146

Contact Person: Rob Smith

Relinquished By: Joseph Seibert

Date: 3/26/18

Received By: *h. Seibert*

MAR 27 2018

Date:

Turn Around Time: (Circle One)	Rush	24 Hour X	48 Hour	72 Hour	Other: _____	TTP (Test Till Positive) _____
Asbestos	Bulk: X	Point Count _____		PCM _____		

Special Instructions: RESEARCH

- 1st Positive Stop;
- Composite all drywall/joint compound samples if any layer of system is greater than 5% asbestos;
- Point Count ALL PLASTER samples Trace to 3% asbestos content
- Point Count ALL SAMPLES Trace to 1%

Lab ID #	Client ID #	Material	Location	Quantity	Area	Results
1, 2	1-BM-A,B	Brick mortar	Exterior brick			
3, 4	2-CC-A,B	Concrete chip	Poured walls			
5, 6	3-CC-A,B	Concrete chip	Front porch and rear porch	260 SF		
7, 8	4-CC-A,B	Concrete chip	Basement floors	5,000 SF		
9, 10	5-IC-A,B	Interior Caulk	On cabinets			
11, 12	6-CC-A,B	Concrete chip	Window sills			
13, 14	7-TU-A,B	Tub undercoating, black	Bathtubs	80 SF		
15, 16	8-VB-A,B	Vapor board	Under exterior brick			
17, 18	9-VP-A,B	Vapor paper	Under wood floors	8,000 SF		
19, 20	10-WG-A,B	Window glaze	2 pane basement windows (30)	250 LF		
21-25	11-SC-A,B,C,D,E	Stack Cement	Chimney stacks	60 SF		
26, 27	12-EC-A,B	Exterior caulk	On brick, roofline, doors, windows, basement windows mailboxes			
28, 29	13-EC-A,B	Exterior caulk	On aluminum overhangs at doors	40 LF		
30, 31	14-BM- A,B	Brick mortar	Patching around air conditioning units	30 SF		


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32,33	15-GM-A,B	Ceramic tile grout and mortar, 4" light blue/gray	Throughout building			
44,35	16-GM-A,B	Ceramic tile grout and mortar, 1"x2" light blue/gray	Throughout building			
36,37	17-CA-A,B	Construction adhesive, panel board tan	Throughout building			
36,39	18-CA-A,B	Construction adhesive, panel board white	Throughout building			
40,42	19-WBS-A,B,C	Wall-board system, tape and mud	Throughout building			
43,44	20-IC-A,B	Interior caulk	In bathrooms on 4" tile			
45,46	21-BM-A,B	Black mastic	On basement joists			
47,48	22-FT-A,B	Floor tile, 9"x9" beige with tan speckle	FS 377 unit 38	20 SF		
49,50	23-FS-A,B	Floor sheeting, 5" square linoleum	Bar top FS377 unit 38	14 SF		
51,52	24-FT-A,B	Floor tile, 9" tan and beige	Basement unit 29	30 SF		
53,54	25-CT-A,B	Ceiling tile, 12' Smooth	Basement unit 29 and unit 36	80 SF		
55,56	26-FS-A,B	Floor sheeting, 8" square brown stone	Unit 32	60 SF		
57,58	27-CA-A,B	Construction adhesive black in kitchen	Unit 30	100 LF		
59,60	28-MLF-A,B	Multi-layer flooring	Kitchen unit 30	80 SF		
61,62	29-FT-A,B	Floor tile, 12" beige with brown mottle	Unit 34,31,29,37,38			
63,64	30-FT-A,B	Floor tile, 12" beige with black mottle	Unit 33,35			
65,66	31-MLF-A,B	Multi-layer flooring	Unit 36	80 SF		

Relinquished By: Joseph Seibert

Date: 3/26/18

Received By: 

Date: MAR 27 2018

***Terms and conditions on reverse side.

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 01
Cust. #: 1-WG-A
Material: Exterior Window Glaze
Location: Vertical/Openable Basement Windows-15
Appearance: beige,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 02
Cust. #: 1-WG-B
Material: Exterior Window Glaze
Location: Vertical/Openable Basement Windows-15
Appearance: beige,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 03
Cust. #: 2-WG-A
Material: Window Glaze
Location: 2 Panel Small Windows (45) Exterior
Appearance: beige,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

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Robert T. Letarte Jr., Laboratory Director

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Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 04 Cust. #: 2-WG-B Material: Window Glaze Location: 2 Panel Small Windows (45) Exterior Appearance: Layer: of	Asbestos Present: NOT ANALYZED
--	---

Lab ID #: 75875 - 05 Cust. #: 3-VB-A Material: Vapor Board Location: Exterior Walls Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 75% Other - 25%
--	---	--------------------------------

Lab ID #: 75875 - 06 Cust. #: 3-VB-B Material: Vapor Board Location: Exterior Walls Appearance: brown, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 75% Other - 25%
--	---	--------------------------------

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Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 07
Cust. #: 4-EC-A
Material: Exterior Caulk, Dark Grey
Location: On All Basement Windows
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

Lab ID #: 75875 - 08
Cust. #: 4-EC-B
Material: Exterior Caulk, Dark Grey
Location: On All Basement Windows
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 09
Cust. #: 5-EC-A
Material: Exterior Caulk, Light Grey
Location: Used at Expansion Joint/Brick Cracks
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 10 Cust. #: 5-EC-B Material: Exterior Caulk, Light Grey Location: Used at Expansion Joint/Brick Cracks Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 11 Cust. #: 6-EC-A Material: Exterior Caulk, Light Grey w/ Sparkles Location: On Wood Around All Windows/Doors Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 2%	Other - 98%
Lab ID #: 75875 - 12 Cust. #: 6-EC-B Material: Exterior Caulk, Light Grey w/ Sparkles Location: On Wood Around All Windows/Doors Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Date Collected: 03/23/18
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Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 13 Cust. #: 7-EC-A Material: Exterior Caulk, Paint Blue Location: On Mailboxes Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 75875 - 14 Cust. #: 7-EC-B Material: Exterior Caulk, Paint Blue Location: On Mailboxes Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 75875 - 15 Cust. #: 8-GM-A Material: Ceramic Tile 4" White Location: Debris Around Building Appearance: white, nonfibrous, homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 15a
Cust. #: 8-GM-A
Material: Grout
Location: Debris Around Building
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 15b
Cust. #: 8-GM-A
Material: Mortar
Location: Debris Around Building
Appearance: beige,nonfibrous,homogenous
Layer: 3 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 16
Cust. #: 8-GM-B
Material: Ceramic Tile 4" White
Location: Debris Around Building
Appearance: white,nonfibrous,homogenous
Layer: 1 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 16a Cust. #: 8-GM-B Material: Grout Location: Debris Around Building Appearance: grey,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 16b Cust. #: 8-GM-B Material: Mortar Location: Debris Around Building Appearance: beige,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 17 Cust. #: 9-BM-A Material: Brick Mortar Location: Exterior, Exterior Brick Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 18 Cust. #: 9-BM-B Material: Brick Mortar Location: Exterior, Exterior Brick Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 19 Cust. #: 10-BM-A Material: Brick Mortar Location: Interior, Basements Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 20 Cust. #: 10-BM-B Material: Brick Mortar Location: Interior, Basements Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 21 Cust. #: 11-CC-A Material: Concrete Chip Location: Poured Walls, Interior Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 21a Cust. #: 11-CC-A Material: Concrete Location: Poured Walls, Interior Basement Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 22 Cust. #: 11-CC-B Material: Concrete Chip Location: Poured Walls, Interior Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 23
Cust. #: 12-CC-A
Material: Concrete Chip
Location: Floor, Interior Basement Floor
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 24
Cust. #: 12-CC-B
Material: Concrete Chip
Location: Floor, Interior Basement Floor
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 25
Cust. #: 13-VP-A
Material: Vapor Paper
Location: Under Floors
Appearance: black,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 50%
Other - 50%

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Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 26 Cust. #: 13-VP-B Material: Vapor Paper Location: Under Floors Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 75875 - 27 Cust. #: 14-GM-A Material: Ceramic Tile 4" Blue Grey Location: Bathroom Walls Appearance: white, nonfibrous, homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 27a Cust. #: 14-GM-A Material: Grout Location: Bathroom Walls Appearance: grey, nonfibrous, homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 27b
Cust. #: 14-GM-A
Material: Mortar
Location: Bathroom Walls
Appearance: white,nonfibrous,homogenous
Layer: 3 of 3

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 28
Cust. #: 14-GM-B
Material: Ceramic Tile 4" Blue Grey
Location: Bathroom Walls
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 28a
Cust. #: 14-GM-B
Material: Grout/Mortar
Location: Bathroom Walls
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 1
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 29
Cust. #: 15-GM-A
Material: Ceramic Tile 1"x1" Blue Grey
Location: Bathroom Floors
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 29a
Cust. #: 15-GM-A
Material: Grout/Mortar
Location: Bathroom Floors
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 30
Cust. #: 15-GM-B
Material: Ceramic Tile 1"x1" Blue Grey
Location: Bathroom Floors
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 30a Cust. #: 15-GM-B Material: Grout/Mortar Location: Bathroom Floors Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 31 Cust. #: 16-CC-A Material: Concrete Chip Location: Window Sills Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 32 Cust. #: 16-CC-B Material: Concrete Chip Location: Window Sills Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 33
Cust. #: 17-WBS-A
Material: Wallboard/Drywall
Location: Throughout Buildings in Group 1
Appearance: white, fibrous, nonhomogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 15%
Other - 85%

Lab ID #: 75875 - 33a
Cust. #: 17-WBS-A
Material: Joint Compound
Location: Throughout Buildings in Group 1
Appearance: beige, nonfibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 34
Cust. #: 17-WBS-B
Material: Wallboard/Drywall
Location: Throughout Buildings in Group 1
Appearance: white, fibrous, nonhomogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 15%
Other - 85%

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Novi, MI 48377

ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 34a Cust. #: 17-WBS-B Material: Joint Compound Location: Throughout Buildings in Group 1 Appearance: beige,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 35 Cust. #: 17-WBS-C Material: Wallboard/Drywall Location: Throughout Buildings in Group 1 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 15% Other - 85%
Lab ID #: 75875 - 35a Cust. #: 17-WBS-C Material: Joint Compound Location: Throughout Buildings in Group 1 Appearance: beige,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 36
Cust. #: 18-BI-A
Material: Blown In Insulation, Brown
Location: Exterior Walls
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 75%
Other - 25%

Lab ID #: 75875 - 37
Cust. #: 18-BI-B
Material: Blown In Insulation, Brown
Location: Exterior Walls
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 75%
Other - 25%

Lab ID #: 75875 - 38
Cust. #: 18-BI-C
Material: Blown In Insulation, Brown
Location: Exterior Walls
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 75%
Other - 25%

For Layered Samples, each component will be analyzed and reported separately.

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ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 39
Cust. #: 19-WG-A
Material: Window Glaze
Location: Interior Fire Door w/ Reinforced Glass
Appearance: beige, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 10%

Other - 90%

Lab ID #: 75875 - 40
Cust. #: 19-WG-B
Material: Window Glaze
Location: Interior Fire Door w/ Reinforced Glass
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 41
Cust. #: 20-WG-A
Material: Window Glaze
Location: Stairwell Windows, Tilt In
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 42 Cust. #: 20-WG-B Material: Window Glaze Location: Stairwell Windows, Tilt In Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 43 Cust. #: 21-EC-A Material: Exterior Caulk Location: Along Roof Board Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75875 - 44 Cust. #: 21-EC-B Material: Exterior Caulk Location: Along Roof Board Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 45
Cust. #: 22-CA-A
Material: Construction Adhesive
Location: Bathroom Sinks
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 46
Cust. #: 22-CA-B
Material: Construction Adhesive
Location: Bathroom Sinks
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 47
Cust. #: 23-SC-A
Material: Stack Cement
Location:
Appearance: white,fibrous,nonhomogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 10%

Other - 90%

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ARI Report # 18-75875
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 48
Cust. #: 23-SC-B
Material: Stack Cement
Location:
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 49
Cust. #: 23-SC-C
Material: Stack Cement
Location:
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75875 - 50
Cust. #: 24-CA-A
Material: Construction Adhesive
Location: Kitchen Counters
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 51
Cust. #: 24-CA-B
Material: Construction Adhesive
Location: Kitchen Counters
Appearance: yellow,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 52
Cust. #: 25-FT-A
Material: Floor Tile 9"x9" Green
Location: FS 445 West End
Appearance: green,fibrous,homogenous
Layer: 1 of 2

Asbestos Present: **YES**
Chrysotile - 10%

Other - 90%

Lab ID #: 75875 - 52a
Cust. #: 25-FT-A
Material: Mastic
Location: FS 445 West End
Appearance: brown,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Date Collected: 03/23/18
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Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75875 - 53 Cust. #: 25-FT-B Material: Floor Tile 9"x9" Green Location: FS 445 West End Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 75875 - 54 Cust. #: 26-FS-A Material: Floor Sheeting, Red Location: FS 445 Storage Closet 43 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 75875 - 55 Cust. #: 26-FS-B Material: Floor Sheeting, Red Location: FS 445 Storage Closet 43 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

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Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 56
Cust. #: 27-BM-A
Material: Brick Mortar, Black Mastic
Location: Basements
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 57
Cust. #: 27-BM-B
Material: Brick Mortar, Black Mastic
Location: Basements
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75875 - 58
Cust. #: 28-FD-A
Material: Fire Door
Location:
Appearance: grey,fibrous,nonhomogenous
Layer: 1 of 1

Asbestos Present: **YES**
Amosite - 45%

Fiberglass - 25%
Other - 30%

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Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75875 - 59
Cust. #: 28-FD-B
Material: Fire Door
Location:
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

Lab ID #:
Cust. #:
Material:
Location:
Appearance:
Layer: of

Asbestos Present:

For Layered Samples, each component will be analyzed and reported separately.

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Apex Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449-9990, Fax: (734) 449-9991.

Web Site: <http://apexresearch-inc.com>

3Client Name: ATC Group Services Date of Survey: 3-23-2018

Address: 46555 Humboldt Drive, Suite 100

Project: 810 S. Ballenger Highway-Group1

Relinquished By: Joseph Seibert

City, St., Zip: Novi, MI 48377

Project #: 188BS18146

Date: 3/26/18

Phone: (248) 669-5140

Received By: *Joseph Seibert* **RECEIVED**

Fax: (248)-669-5147

Contact Person: Rob Smith

Date: MAR 27 2018

Turn Around Time: (Circle One)	Rush	24 Hour X	48 Hour	72 Hour	Other: _____	TTP (Test Till Positive) _____
Asbestos	Bulk: X	Point Count _____		PCM _____		

Special Instructions:

- 1st Positive Stop;
- Composite all drywall/joint compound samples if any layer of system is greater than 5% asbestos;
- Point Count ALL PLASTER samples Trace to 3% asbestos content
- Point Count ALL SAMPLES Trace to 1% asbestos content

Lab ID #	Client ID #	Material	Location	Quantity	Area	Results
1,2	1-WG-A,B	Window glaze, Vertical/openable basement windows (15)	Exterior	240 LF		
3,4	2-WG-A,B	Window glaze, 2 pane small windows (45)	Exterior	360 LF		
5,6	3-VB-A,B	Vapor board,	Exterior walls			
7,8	4-EC-A,B	Exterior caulk, Dark gray	On all basement windows	700 LF		
9,10	5-EC-A,B	Exterior caulk, light gray	Used at expansion joint and brick cracks			
11,12	6-EC-A,B	Exterior caulk, light gray with sparkles	On wood around all windows and doors	150 openings		
13,14	7-EC-A,B	Exterior caulk, painted blue	On mailboxes			
15,16	8-GM-A,B	Ceramic tile grout and mortar, 4" white	Debris around building	100 SF		
17,18	9-BM-A,B	Brick mortar, exterior	Exterior brick			
19,20	10-BM-A,B	Block mortar, interior	Basements			
21,22	11-CC-A,B	Concrete chip, poured walls	Interior basement			
23,24	12-CC-A,B	Concrete chip, floor	Interior basement floor			
25,26	13-VP-A,B	Vapor paper	Under floors			
27,28	14-GM-A,B	Ceramic tile grout and mortar, 4" blue gray	Bathroom walls			

75875

Apex Research, Inc.11054 Hi Tech Drive, Whitmore Lake, MI 48189. **Phone:** (734) 449-9990, **Fax:** (734) 449-9991.**Web Site:** <http://apexresearch-inc.com>

29,30	15-GM-A,B	Ceramic tile grout and mortar, 1"x1" blue gray	Bathroom floors			
31,32	16-CC-A,B	Concrete Chip,	Window sills	150 SF		
33-35	17-WBS-A,B,C	Wall-board system, tape and mud	Throughout buildings in group 1			
36-38	18-BI-A,B,C	Blown in insulation, brown	Exterior walls			
39,40	19-WG-A,B	Window glaze,	Interior fire door with reinforced glass			
41,42	20-WG-A,B	Window glaze,	Stairwell windows, tilt in	72 LF		
43,44	21-EC-A,B	Exterior caulk,	Along roof board	1000 LF		
45,46	22-CA-A,B	Construction adhesive,	Bathroom sinks			
47-49	23-SC-A,B,C	Stack cement		20 SF		
50,51	24-CA-A,B	Construction adhesive	Kitchen counters			
52,53	25-FT-A,B	Floor tile, 9"x9" green	FS 445 west end	80 SF		
54,55	26-FS-A,B	Floor sheeting, red	FS 445 storage closet 43	40 SF		
56,57	27-BM-A,B	Brick mortar, black mastic	Basements			
58,59	28-FD-A,B	Fire door		15 doors		

A handwritten signature in black ink, appearing to read 'Joseph Seibert'.

Relinquished By: Joseph Seibert

Date: 3/26/18

RECEIVED

Received By:

Date: MAR 27 2018

Terms and conditions on reverse side

APEX RESEARCH

Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 01 Cust. #: 1-VB-A Material: Vapor Board Location: Behind Exterior Brick Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Other - 70%
Lab ID #: 75876 - 02 Cust. #: 1-VB-B Material: Vapor Board Location: Behind Exterior Brick Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Other - 70%
Lab ID #: 75876 - 03 Cust. #: 2-VP-A Material: Vapor Paper Location: Under Wood Floors Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

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Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 04 Cust. #: 2-VP-B Material: Vapor Paper Location: Under Wood Floors Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 75876 - 05 Cust. #: 3-WG-A Material: Window Glaze Location: Aluminum Frame Windows Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 06 Cust. #: 3-WG-B Material: Window Glaze Location: Aluminum Frame Windows Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 07 Cust. #: 4-WG-A Material: Window Glaze Location: Basement Metal Old Windows Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 08 Cust. #: 4-WG-B Material: Window Glaze Location: Basement Metal Old Windows Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 09 Cust. #: 5-WG-A Material: Window Glaze Location: Basement Metal New Windows Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 10
Cust. #: 5-WG-B
Material: Window Glaze
Location: Basement Metal New Windows
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 11
Cust. #: 6-EC-A
Material: Exterior Caulk, Doors
Location: Windows, Bsmt Windows, Mailboxes
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 12
Cust. #: 6-EC-B
Material: Exterior Caulk, Doors
Location: Windows, Bsmt Windows, Mailboxes
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 13
Cust. #: 7-EC-A
Material: Exterior Caulk
Location: Air Conditioning Units
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 14
Cust. #: 7-EC-B
Material: Exterior Caulk
Location: Air Conditioning Units
Appearance: white, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 15
Cust. #: 8-WBS-A
Material: Joint Compound
Location: Throughout Buildings
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

For Layered Samples, each component will be analyzed and reported separately.

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 15-pc Cust. #: 8-WBS-A Material: Joint Compound Location: Throughout Buildings Appearance: beige,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - 0.25% POINT COUNT RESULT	Other - 99.75%
Lab ID #: 75876 - 15a Cust. #: 8-WBS-A Material: Wallboard/Drywall Location: Throughout Buildings Appearance: grey,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 75876 - 16 Cust. #: 8-WBS-B Material: Wallboard/Drywall Location: Throughout Buildings Appearance: grey,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 16a Cust. #: 8-WBS-B Material: Joint Compound Location: Throughout Buildings Appearance: beige,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO Chrysotile - <1%	Other - >99%
Lab ID #: 75876 - 16a-pc Cust. #: 8-WBS-B Material: Joint Compound Location: Throughout Buildings Appearance: beige,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT	Other - 100%
Lab ID #: 75876 - 17 Cust. #: 8-WBS-C Material: Wallboard/Drywall Location: Throughout Buildings Appearance: grey,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 17a
Cust. #: 8-WBS-C
Material: Joint Compound
Location: Throughout Buildings
Appearance: beige, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

Lab ID #: 75876 - 17a-pc
Cust. #: 8-WBS-C
Material: Joint Compound
Location: Throughout Buildings
Appearance: beige, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **NO**
Chrysotile - 0.5%

POINT COUNT RESULT

Other - 99.50%

Lab ID #: 75876 - 18
Cust. #: 9-SC-A
Material: Stack Cement
Location: Chimney Stacks in Buildings
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 19
Cust. #: 9-SC-B
Material: Stack Cement
Location: Chimney Stacks in Buildings
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 20
Cust. #: 9-SC-C
Material: Mortar
Location: Chimney Stacks in Buildings
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 20
Cust. #: 9-SC-C
Material: Stack Cement
Location: Chimney Stacks in Buildings
Appearance: black,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 21 Cust. #: 9-SC-D Material: Stack Cement Location: Chimney Stacks in Buildings Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 22 Cust. #: 9-SC-E Material: Stack Cement Location: Chimney Stacks in Buildings Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 22a Cust. #: 9-SC-E Material: Stack Cement Location: Chimney Stacks in Buildings Appearance: black,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 23 Cust. #: 10-EC-A Material: Exterior Caulk Location: On Porch Metal Poles Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 24 Cust. #: 10-EC-B Material: Exterior Caulk Location: On Porch Metal Poles Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 25 Cust. #: 11-BM-A Material: Brick Mortar Location: Exterior Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 26
Cust. #: 11-BM-B
Material: Brick Mortar
Location: Exterior
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 27
Cust. #: 12-CC-A
Material: Concrete Chip
Location: Porches
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 28
Cust. #: 12-CC-B
Material: Concrete Chip
Location: Porches
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 29
Cust. #: 13-CC-A
Material: Concrete Chip
Location: Window Sills
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 30
Cust. #: 13-CC-B
Material: Concrete Chip
Location: Window Sills
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 31
Cust. #: 14-FI-A
Material: Felt Insulation
Location: Air Conditioning Units
Appearance: black,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Fiberglass - 80%
Other - 20%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 32 Cust. #: 14-FI-B Material: Felt Insulation Location: Air Conditioning Units Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: 75876 - 33 Cust. #: 15-IC-A Material: Interior Caulk Location: Window Frames Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 34 Cust. #: 15-IC-B Material: Interior Caulk Location: Window Frames Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Received: 03/27/18
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Date Reported: 03/28/18

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 35 Cust. #: 16-IC-A Material: Interior Caulk Location: Kitchen Cabinets Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 36 Cust. #: 16-IC-B Material: Interior Caulk Location: Kitchen Cabinets Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 37 Cust. #: 17-WB-A Material: Wallboard/Drywall Location: Green Board in Basement of Unit 1 Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 38
Cust. #: 17-WB-B
Material: Wallboard/Drywall
Location: Green Board in Basement of Unit 1
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 20%
Other - 80%

Lab ID #: 75876 - 39
Cust. #: 18-DG-A
Material: Door Gasket
Location: FS 11
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 20%
Other - 80%

Lab ID #: 75876 - 40
Cust. #: 18-DG-B
Material: Door Gasket
Location: FS 11
Appearance: brown, fibrous, nonhomogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 20%
Other - 80%

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Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 41
Cust. #: 19-CC-A
Material: Concrete Chip
Location: Poured Walls
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 42
Cust. #: 19-CC-B
Material: Concrete Chip
Location: Poured Walls
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 43
Cust. #: 20-CC-A
Material: Concrete Chip
Location: Basement Floors
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 44 Cust. #: 20-CC-B Material: Concrete Chip Location: Basement Floors Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 45 Cust. #: 21-WG-A Material: Window Glaze Location: Egress Windows Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Other - >99%
Lab ID #: 75876 - 45-pc Cust. #: 21-WG-A Material: Window Glaze Location: Egress Windows Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT	Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 46
Cust. #: 21-WG-B
Material: Window Glaze
Location: Egress Windows
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
Chrysotile - <1%

Other - >99%

Lab ID #: 75876 - 46-pc
Cust. #: 21-WG-B
Material: Window Glaze
Location: Egress Windows
Appearance: grey,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
Chrysotile - Trace

POINT COUNT RESULT

Other - 100%

Lab ID #: 75876 - 47
Cust. #: 22-CT-A
Material: Ceiling Tile, 12" Smooth
Location:
Appearance: brown,fibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 48
Cust. #: 22-CT-B
Material: Ceiling Tile, 12" Smooth
Location:
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 80%
Other - 20%

Lab ID #: 75876 - 49
Cust. #: 23-TU-A
Material: Tub Undercoating
Location: Bathrooms
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 50
Cust. #: 23-TU-B
Material: Tub Undercoating
Location: Bathrooms
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 51
Cust. #: 24-DW-A
Material: Duct Wrap
Location: Basement of Unit 4
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 60%

Other - 40%

Lab ID #: 75876 - 52
Cust. #: 24-DW-B
Material: Duct Wrap
Location: Basement of Unit 4
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75876 - 53
Cust. #: 24-DW-C
Material: Duct Wrap
Location: Basement of Unit 4
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 54
Cust. #: 25-GM-A
Material: Ceramic Tile 1"x1" Grey
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 54a
Cust. #: 25-GM-A
Material: Grout/Mortar
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 55
Cust. #: 25-GM-B
Material: Ceramic Tile 1"x1" Grey
Location: Bathrooms
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 55a Cust. #: 25-GM-B Material: Grout/Mortar Location: Bathrooms Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 56 Cust. #: 26-GM-A Material: Ceramic Tile Grout/Mortar, 4"x4" Grey Location: Bathrooms Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 57 Cust. #: 26-GM-B Material: Ceramic Tile Grout/Mortar, 4"x4" Grey Location: Bathrooms Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 75876 - 57a Cust. #: 26-GM-B Material: Ceramic Tile Grout/Mortar, 4"x4" Grey Location: Bathrooms Appearance: grey,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 75876 - 58 Cust. #: 27-FS-A Material: Floor Sheeting, Beige w/ Tan Crackle Location: FS 141 Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 75876 - 59 Cust. #: 27-FS-B Material: Floor Sheeting, Beige w/ Tan Crackle Location: FS 141 Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

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Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 60
Cust. #: 28-WG-A
Material: Window Glaze
Location: Aluminum Window, Unit 16, 28
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 61
Cust. #: 28-WG-B
Material: Window Glaze
Location: Aluminum Window, Unit 16, 28
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75876 - 62
Cust. #: 29-GM-A
Material: Ceramic Tile 12"x12" Beige Grout
Location: FS 163, 164
Appearance: white, nonfibrous, homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 62a
Cust. #: 29-GM-A
Material: Mortar
Location: FS 163, 164
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 63
Cust. #: 29-GM-B
Material: Ceramic Tile 12"x12" Beige Grout/Plaster
Location: FS 163, 164
Appearance: white,nonfibrous,homogenous
Layer: 1 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 75876 - 63a
Cust. #: 29-GM-B
Material: Mortar
Location: FS 163, 164
Appearance: grey,nonfibrous,homogenous
Layer: 2 of 2

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 64
Cust. #: 30-FT-A
Material: Floor Tile, 9"x9" Beige Wood Grain
Location: FS 196
Appearance: beige, fibrous, homogenous
Layer: 1 of 2

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 64a
Cust. #: 30-FT-A
Material: Mastic
Location: FS 196
Appearance: black, fibrous, homogenous
Layer: 2 of 2

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

Lab ID #: 75876 - 65
Cust. #: 30-FT-B
Material: Floor Tile, 9"x9" Beige Wood Grain
Location: FS 196
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

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A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 66
Cust. #: 31-CP-A
Material: Ceiling Panel, 18"x3' Smooth
Location: FS 196
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75876 - 67
Cust. #: 31-CP-B
Material: Ceiling Panel, 18"x3' Smooth
Location: FS 196
Appearance: brown, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 90%
Other - 10%

Lab ID #: 75876 - 68
Cust. #: 32-BM-A
Material: Black Mastic
Location: All Basements
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 5%

Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert T. Letarte Jr.".

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)
Project : 810 S. Ballenger Highway- Group 3
Project # :188BS18146



Report To:

Mr. Rob Smith
ATC Group Services, LLC
46555 Humboldt, Ste. 100
Novi, MI 48377

ARI Report # 18-75876
Date Collected: 03/23/18
Date Received: 03/27/18
Date Analyzed: 03/28/18
Date Reported: 03/28/18

Sample Information

Asbestos Type/Percent

Non-Asbestos Material

Lab ID #: 75876 - 69
Cust. #: 32-BM-B
Material: Black Mastic
Location: All Basements
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 75876 - 70
Cust. #: 31-VP-A
Material: Vapor Paper
Location: Exterior Wall, FS 117
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 60%
Other - 40%

Lab ID #: 75876 - 71
Cust. #: 31-VP-B
Material: Vapor Paper
Location: Exterior Wall, FS 117
Appearance: black, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Cellulose - 60%
Other - 40%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Apex Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. **Phone:** (734) 449-9990, **Fax:** (734) 449-9991.**Web Site:** <http://apexresearch-inc.com>**Client Name:** ATC Group Services **Date of Survey:** 3-23-2018**Address:** 46555 Humboldt Drive, Suite 100**Project:** 810 S. Ballenger Highway-Group3

Relinquished By: Joseph Seibert

City, St., Zip: Novi, MI 48377**Project #:** 188BS18146**Date:** 3/26/18**Phone:** (248) 669-5140Received By: Joe 800
MAR 27 2018**Fax:** (248)-669-5147**Contact Person:** Rob Smith**Date:** _____

Turn Around Time: (Circle One)	Rush	24 Hour X	48 Hour	72 Hour	Other: _____	TTP (Test Till Positive) _____
	Asbestos	Bulk: X	Point Count _____	PCM _____		

Special Instructions:

- 1st Positive Stop;
- Composite all drywall/joint compound samples if any layer of system is greater than 5% asbestos;
- Point Count ALL PLASTER samples Trace to 3% asbestos content
- Point Count ALL SAMPLES Trace to 1% asbestos content

Lab ID #	Client ID #	Material	Location	Quantity	Area	Results
1,2	1-VB-A,B	Vapor Board	Behind exterior brick			
3,4	2-VP-A,B	Vapor paper	Under wood floors	16,000 SF		
5,6	3-WG-A,B	Window glaze	Aluminum frame windows			
7,8	4-WG-A,B	Window glaze	Basement metal old windows	600 LF		
9,10	5-WG-A,B	Window glaze	Basement metal new windows	400 LF		
11,12	6-EC-A,B	Exterior Caulk	Doors, windows, basement windows, mailboxes			
13,14	7-EC-A,B	Exterior Caulk	Air conditioning units	140 LF		
15-17	8-WBS-A,B,C	Wall-board system	Throughout the buildings			
18-22	9-SC-A,B,C,D,E	Stack cement	Chimney stacks in the buildings	60 SF		
23,24	10-EC-A,B	Exterior Caulk	On porch metal poles	30 LF		
25,26	11-BM-A,B	Brick mortar	Exterior			
27,28	12-CC-A,B	Concrete chip	Porches			
29,30	13-CC-A,B	Concrete chip	Window sills			
31,32	14-FI-A,B	Felt insulation	Air conditioning units	400 SF		

75876

Apex Research, Inc.11054 Hi Tech Drive, Whitmore Lake, MI 48189. **Phone:** (734) 449-9990, **Fax:** (734) 449-9991.**Web Site:** <http://apexresearch-inc.com>

33,34	15-IC-A,B	Interior caulk	Window frames			
35,36	16-IC-A,B	Interior caulk	Kitchen cabinets			
37,38	17-WB-A,B	Wall-board	Green board in basement of unit 1	20 SF		
39,40	18-DG-A,B	Door gasket	FS 11	20 LF		
41,42	19-CC-A,B	Concrete chip	Poured walls			
43,44	20-CC-A,B	Concrete chip	Basement floors	12,000 SF		
45,46	21-WG-A,B	Window glaze	Egress windows	60 LF		
47,48	22-CT-A,B	Ceiling tile, 12" smooth				
49,50	23-TU-A,B	Tub undercoating	Bathrooms	150 SF		
51,52	24-DW-A,B,C	Duct wrap	Basement of unit 4	1 SF		
54,55	25-GM-A,B	Ceramic tile grout and mortar, 1"x1" gray	Bathrooms			
56,57	26-GM-A,B	Ceramic tile grout and mortar, 4"x4" gray	Bathrooms			
58,59	27-FS-A,B	Floor sheeting, Beige with tan crackle	FS 141	60 SF		
60,61	28-WG-A,B	Window glaze	Aluminum window, unit 16 and 28	120 LF		
62,63	29-GM-A,B	Ceramic tile grout and mortar, 12"x12" Beige	FS 163, 164	120 SF		
64,65	30-FT-A,B	Floor tile, 9"x9" beige wood grain	FS 196	60 SF		
66,67	31-CP-A,B	Ceiling panel, 18"x3' smooth	FS 196	80 SF		
68,69	32-BM-A,B	Black mastic	All basements			
70,71	31-VP-A,B	Vapor Paper	Exterior wall, FS 117	100 SF		

Relinquished By: Joseph Seibert

Date: 3/26/18

RECEIVED

Received By: Date:

MAR 27 2018

***Terms and conditions on reverse side.

810 S. Ballenger Hwy

APPENDIX B

QUALIFICATIONS

March 29, 2018

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102118-0

Apex Research, Inc.
Whitmore Lake, MI

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2017-10-01 through 2018-09-30

Effective Dates

A handwritten signature in black ink, appearing to read "Dana S. Gorman".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Apex Research, Inc.
11054 Hi Tech Dr.
Whitmore Lake, MI 48189
Mr. Robert Letarte
Phone: 734-449-9990 Fax: 734-449-9991
Email: bletarte@apexmi.com
<http://www.apexmi.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 102118-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA -- Appendix E to Subpart E of Part 763 -- Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in black ink, appearing to read "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

Asbestos Program

MIOSHA

(/AsbestosProgram/)

Individual Profile for TINCU, BRANDEN C.

Name and Address

Name

TINCU, BRANDEN C.

Address

2025 BREWER ROAD

HOWELL, MI 48855

License Information

Accreditation Type: Contractor/Supervisor

ID#: A39513

Status: Apprvd - Full

Expiration Date: 4/3/2018

Training Expiration Date: 1/13/2018

Accreditation Type: Inspector

ID#: A39513

Status: Apprvd - Full

Expiration Date: 4/3/2018

Training Expiration Date: 10/14/2017

* Although this license may have been renewed, the new expiration date will not appear until the current one expires. Should you have questions, please call the Asbestos Program at 517-284-7680.

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[Contact US \(http://www.michigan.gov/lara/0,4601,7-154-11407_15333_15369-41708--,00.html\)](http://www.michigan.gov/lara/0,4601,7-154-11407_15333_15369-41708--,00.html)

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