



May 2, 2022

Ms. Reality Rojas
Kalamazoo County Land Bank
1523 Riverview Drive, Suite A
Kalamazoo, Kalamazoo County, Michigan 49004

Re: Pre-Demolition Regulated Materials Survey
1110 Division St., Kalamazoo, Kalamazoo County, Michigan

Dear Ms. Rojas:

The Mannik & Smith Group, Inc. (MSG) is pleased to present the Kalamazoo County Land Bank with the results of the pre-demolition regulated materials survey (RMS) performed at 1110 Division St., Kalamazoo, Kalamazoo County, Michigan (hereinafter referred to as the "Site") by State of Michigan Accredited Asbestos Inspector Andrew Biehl (Accreditation Number A48432).

SUMMARY

Building Information	
Property Address	1110 Division St., Kalamazoo, Michigan
Parcel #	06-23-333-062
No. Stories	1 (Partially collapsed; slab-on-grade)
Square Footage (approx.)	1,606 SF (Per City of Kalamazoo tax information for property)
Siding	Cinder block
Basement	No
Garage	No
Attic	No



*Due to collapsed structures, additional ACM may be present on the interior of the foundation.

Asbestos Containing Material				
Functional Area	Material Group	Friable/Non Friable	Asbestos	Quantity
Exterior	Tan Window Caulk	Non-Friable	1.5% Chrysotile (PC ¹)	80 SF ² (11 Windows)
Exterior	Tan Window Glaze	Non-Friable	1.5% Chrysotile (PC)	90 SF (12 Windows)
Room 1	Tan 12x12 Floor Tile	Non-Friable	Tile: 2% Chrysotile (PC) Mastic: Non-Detected	225 SF
Room 2	Black Wall Mastic	Non-Friable	1.5% Chrysotile (PC)	125 SF

¹Point-Count
²Square Feet

TECHNICAL SKILL.
CREATIVE SPIRIT.

Universal Waste Inventory		
Location	Type of Waste	Approximate Quantity
Exterior	Refrigerator	1
Exterior	Fluorescent Light Bulbs	4
Exterior	Oven	1
Exterior	5-Gallon Gas Can (Empty)	1
Room 1	Television	1
Hazardous Materials Inventory		
Location	Type of Waste	Approximate Quantity
-	-	-
Other Regulated Materials Inventory		
Location	Type of Waste	Approximate Quantity
Exterior, Room 4	Auto and bicycle tires	75

PURPOSE AND SCOPE OF WORK

The purpose of this survey was to identify, quantify and document the location of regulated materials that may be encountered during demolition of the on-site structure. To accomplish this purpose, MSG performed the following scope of work:

- 1) Pre-demolition asbestos-containing material (ACM) survey.
- 2) Universal wastes, hazardous materials, and other regulated wastes survey.

METHODOLOGIES

The RMS was conducted on April 25, 2022. Methodologies employed during the completion of each task of the RMS are detailed below.

ACM Survey Procedures

This survey was performed in general accordance with guidelines set forth in the Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763. The National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations govern demolition and renovation activities in which asbestos is present. The NESHAP rule distinguishes between Regulated Asbestos-Containing Materials (RACM) that would readily release asbestos fibers when damaged or disturbed and those materials that are unlikely to result in significant fiber release during demolition activities. The purpose of this survey is to determine if ACM within the Site building are RACM and thus, subject to the NESHAP, and to comply with the Michigan Occupational Safety and Health Administration (MIOSHA) and guidelines set forth in the Occupational Safety and Health Administration (OSHA) Regulations Standards 29 CFR 1910.1101.

RACM, as defined by NESHAP, is classified into four parts, (1) friable asbestos material, (2) Category I non-friable ACM (packing, gaskets, floor tile and roofing products) that has become friable, (3) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (4) Category II non-friable ACM (all other ACM products) that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

The suspect ACM identified during this survey was grouped into homogeneous materials (i.e. similar materials which are uniform in color and texture) and:

- Described and quantified it in linear feet (LF) or square feet (SF);

- Identified and classified as friable or non-friable;
- Assessed as being in good, fair or poor condition;
- Assigned an EPA classification type (surfacing material, thermal system insulation or miscellaneous);
- Classified as RACM or non-RACM; and
- Sampled, or identified as presumed ACM (PACM).

MSG performed services associated with the ACM survey in conformance with the care and skill ordinarily used by other reputable environmental consulting firms practicing under similar conditions, at the same time, and in the same or similar locality. The ACM survey included a systematic visual inspection of readily accessible areas of the Site building. Destructive sampling methods were used and suspect ACM samples were collected by State of Michigan Accredited Asbestos Inspector Andrew Biehl (Accreditation Number A48432). Based on the quantity of each classification of material, MSG collected samples of each suspect ACM in accordance with EPA guidelines.

Universal Wastes and Hazardous Material Survey Procedures

MSG identified and inventoried universal wastes and hazardous materials by a visual reconnaissance of the Site. Materials were identified, described, and quantified to the extent possible; however, no equipment or containers were opened and/or sampled as part of this survey.

A hazardous material, as defined in OSHA 29 CFR 1910.1200, is any item or chemical which is a "health hazard" or "physical hazard", including the following:

- Chemicals that are carcinogens, toxic or highly toxic agents, reproductive toxins, irritants, corrosives, hepatotoxins, nephrotoxins, neurotoxins, agents that act on the hematopoietic system, and agents that damage the lungs, skin, eyes, or mucous membranes;
- Chemicals that are combustible liquids, compressed gases, explosives, flammable liquids, flammable solids, organic peroxides, oxidizers, pyrophorics, unstable (reactive) or water-reactive;
- Chemicals that, in the course of normal handling, use or storage, may produce or release dusts, gases, fumes, vapors, mists or smoke which have any of the above characteristics; and
- Any item or chemical which, when being transported or moved, is a risk to public safety or an environmental hazard, and is regulated as such by one or more of the following:
 - DOT - Department of Transportation; Hazardous Materials Regulations (49 CFR 100-180);
 - IMO - International Maritime Organization; International Maritime Dangerous Goods (IMDG) Code;
 - IATA - International Air Transport Association; Dangerous Goods Regulations;
 - ICAO - International Civil Aviation Organization; Technical Instructions; and
 - AF - Air Force "INTERSERVICE" Manual, Preparing Hazmat for Military Air Shipments (AFMAN 24-204).

Hazardous materials may also include:

- Any item or chemical listed in the United States Environmental Protection Agency (USEPA) *List of Hazardous Substances and Reportable Quantities*, dated September 1992.
- Noticeable as inventory under the reporting requirements of the Hazardous Chemical Reporting (40 CFR Part 302).
- An environmental release under the reporting requirements of the Toxic Chemical Release Reporting: Community Right To Know (40 CFR Part 372) or under Part 201, Environmental Remediation of the Michigan Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Part 201) and Part 213, Leaking Underground Storage Tanks (Part 213).

These would include chemicals with special characteristics which, in the opinion of the manufacturer, can cause harm to people, plants, or animals when released by spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment (including the abandonment or discarding of barrels, containers, and other receptacles).

Universal wastes are waste that comes primarily from consumer products containing mercury, lead, cadmium or other substances that are hazardous to human health and the environment. These items cannot be discarded in household trash nor disposed of in landfills but have less stringent handling and disposal requirements than hazardous waste streams. In Michigan, universal wastes are regulated by the EGLE Materials Management Division under Part 111 of Act 451 and the federal Resource Conservation and Recovery Act (RCRA) of 1976 under 40 CFR Part 273. Universal waste is also regulated by the US Department of Transportation (US DOT) under 49 CFR Parts 171 through 180. Most of the universal waste requirements overseen by EGLE are addressed by R 299.9228 of Part 111 of 1994 P.A. 451, as amended and 40 CFR Part 273. These regulations are designed to encourage proper collection, recycling, treatment, or disposal of these wastes.

Examples of universal waste are mercury-containing equipment (e.g. thermostats, barometers, manometers, temperature and pressure gauges, and mercury switches), nickel-cadmium and spent lead-acid batteries, lamps (e.g. incandescent, fluorescent, high intensity discharge, neon, mercury vapor, and high pressure sodium and metal halide), pesticides, polychlorinated biphenyl (PCB) containing transformers and light ballasts, stored chemical and/or petroleum products, etc. In Michigan, Part 111 also includes pharmaceutical and consumer electronics as additional types of universal wastes.

Other Regulated Materials

This RMS also included identifying and inventorying other regulated materials which may pose physical or chemical concerns during demolition of the Site building(s) including chlorofluorocarbon (CFC) containing devices, tanks, vessels, equipment, and building materials that may contain or become contaminated with hazardous materials.

Specifically, CFC containing devices are regulated Under Title VI of the Clean Air Act (CAA). The Stratospheric Protection Division of the EPA manages programs protecting the stratospheric ozone layer. Title 40, Part 82 of the Code of Federal Regulations contains the EPA regulations protecting the ozone layer. The RMS survey of the premises identified and quantified any CFC containers and CFC containing equipment, which could include the following:

- Drinking fountains, air conditioners, refrigerators
- Air conditioners in control panels and other process equipment
- Water and air chillers
- Roof top and stand-alone air conditioners
- Cafeteria equipment: freezers, walk-in coolers/freezers
- CFC canisters and cylinders

In Michigan, underground storage tanks are regulated under the authority of Part 211, Underground Storage Tank Regulations, of Act 451 of 1994, as amended, and the Michigan Underground Storage Tank Rules (MUSTR). Therefore, this survey included whether any evidence of underground storage tanks and related piping and dispensers were present at the Site.

MSG also surveyed for the presence of equipment, other storage tanks, and materials that may contain or be contaminated by regulated chemicals. These include, but may not be comprehensive of:

- Above ground storage tanks
- Oil-containing equipment (hydraulic equipment, blowers, fans, motors, elevators, compressors, etc.)
- Fire brick
- Contaminated building materials (concrete, block walls, wood, plaster, etc.) with staining, odor or other signs of a hazardous chemical release

SURVEY RESULTS

The following subsections include a discussion of the RMS results. A portion of the structure was inaccessible due to the collapsed roof, and therefore was excluded from this survey. Photographs of the structure are located in the

Attachment A, Photo Log. The results of this report are valid as of the report date, subject to the limitations presented in *Attachment B, Limitations.*

ACM Survey Results

MSG identified 18 suspect homogenous materials during the survey. Thirty-seven (37) bulk samples were collected from these suspect homogeneous materials and were submitted to the Mannik & Smith Group Analytical Laboratories (MSGAL) for laboratory analysis of Bulk Materials by Polarized Light Microscopy using USEPA Method 600/R-93/116. MSGAL is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) to analyze bulk samples for asbestos content. Of the aforementioned suspect homogenous materials identified during this survey, laboratory analysis found four (4) samples containing greater than 1% asbestos (1-1, 2-1, 5-1, and 12-1). The EPA defines ACM as materials containing greater than 1% asbestos.

A point-count quantification procedure (PCQM) allows for lower detection limits than calibrated visual estimation (CVES), which is the quantification method widely used in asbestos analysis via Polarized Light Microscopy (PLM). If the asbestos content is found to contain less than 1% asbestos as determined by a method other than point counting by PLM, it can only be treated as non-ACM if verified to contain less than 1% by the PCQM. If not point-counted, the sample must be assumed to be greater than 1% and thus considered and treated as ACM. As part of this survey, four (4) samples (1-1, 2-1, 5-1, and 12-1) were analyzed using point count quantification.

Suspect ACM sample locations are depicted on the attached figure. See *Table 1, Asbestos Sampling Results* for a listing of homogeneous materials identified by MSG during this survey. A copy of the analytical reports including chains of custody is attached in *Attachment C, Analytical Reports and Chains of Custody.*

Universal Wastes, Hazardous Materials, and Other Regulated Materials Survey Results

Universal wastes, hazardous materials, and/or other regulated materials wastes were identified within the Site building. Quantities identified are provided in *Table 2, Universal Waste, Hazardous Materials, and Other Regulated Materials Inventory.*

CONCLUSIONS AND RECOMMENDATIONS

Asbestos Containing Materials

Of the 18 homogenous materials collected as part of the ACM survey, four (4) samples contained greater than 1% asbestos (1-1, 2-1, 5-1, and 12-1) with no samples classified as RACM. All materials containing ACM must be disposed of in a licensed landfill.

Prior to demolition, a notification of intent to demolish shall be made to the Michigan Department of Environment, Great Lakes and Energy, Air Quality Division (EGLE-AQD) and the Michigan Department of Labor and Economic Opportunity (LEO), Asbestos Program. Notification, according to the procedure described by the NESHAP, Title 40 of the Code of Federal Regulations, Part 61, Subpart M, Notification, for renovation and demolition projects should be followed. A copy of this notification form is provided in *Attachment D, Notification of Intent to Renovate/Demolish.* This form shall be completed by the contractor who completes the demolition.

If additional suspect ACMs are discovered during demolition activities in areas that were determined during this survey to be structurally unsound and unsafe, inaccessible, concealed and/or in buried areas, shall be surveyed, tested, and abated if warranted. If suspect ACMs are determined to be RACM that would be disturbed during demolition activities, the RACM must be properly removed by a licensed asbestos abatement contractor.

Category I and Category II Non-Friable ACM may often be left in place during demolition activities if the ACM is not subjected to sanding, grinding, cutting, or abrading or has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material during the course of demolition.

Universal Wastes, Hazardous Materials, and Other Regulated Materials

The universal waste, hazardous materials, and other regulated materials (see Table 2) must be properly characterized (as necessary) and properly removed from the Site building for recycling and/or disposed of in accordance with Parts 111, 115, or 147 of Michigan Public Act 451 of 1994, as amended. If additional universal wastes, hazardous materials, and other regulated materials are discovered during demolition activities in areas that were determined during this survey to be structurally unsound and unsafe, inaccessible, concealed and/or in buried areas, these materials shall be characterized (as necessary) and properly removed in accordance with the above-mentioned regulations.

If you have any questions or concerns regarding the above information, please contact us at (616) 202-2312.

Sincerely,



Andrew Biehl
Accreditation Number A48432



Kevin Larr, CPG
Project Manager

Attachments

FIGURE





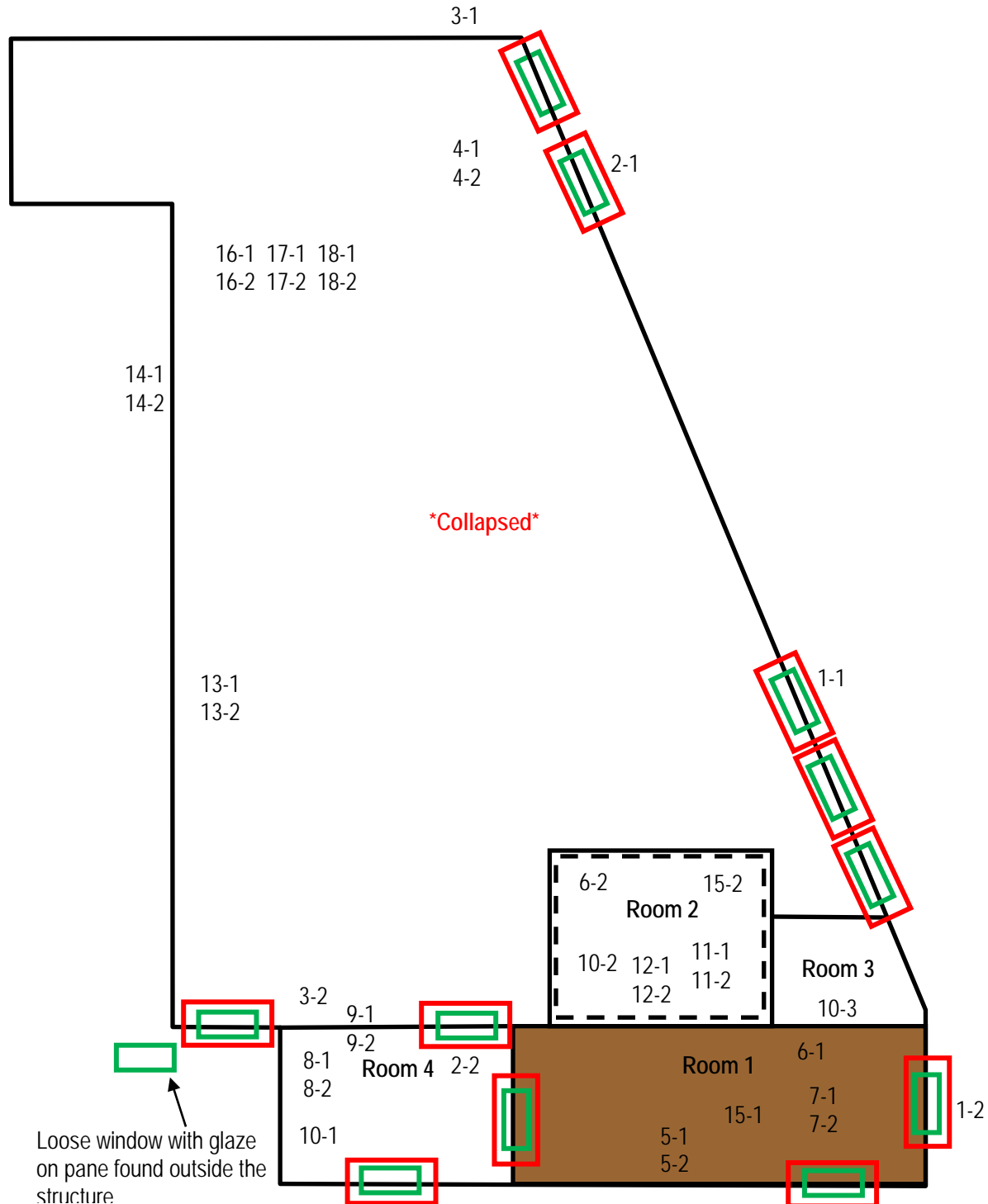
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1345 Monroe Ave NW, Suite 269, Grand Rapids, MI 49505 Tel: 616.202.2312 www.MannikSmithGroup.com

Address: 1110 Division Street, Kalamazoo, MI

Date: April 25, 2022

Drawing not to scale



- Tan Window Caulk- 80 SF (11 Windows)
- Tan Window Glaze- 90 SF (12 Windows)
- Tan 12x12 Floor Tile (225 SF)
- Black Wall Mastic (125 SF)

#-# = Asbestos Sample

TABLES



TABLE 1
Asbestos Sampling Results

Client		Kalamazoo County Land Bank Authority								
Survey Location		1110 Division St., Kalamazoo, MI								
Survey Date		April 25, 2022								
Sample Location	Floor	Sample ID	HM #	Homogeneous Material Group	Friable/Non Friable	Condition	EPA Classification	RACM	Asbestos	Quantity
Exterior	E	1-1	HA-1	Tan Window Caulk	Non-Friable	Good	Miscellaneous	No	1.5% Chrysotile (PC ¹)	80 SF ² (11 Windows)
Exterior	E	1-2	HA-1	Tan Window Caulk	Non-Friable	Good	Miscellaneous	No	Not Analyzed	
Exterior	E	2-1	HA-2	Tan Window Glaze	Non-Friable	Good	Miscellaneous	No	1.5% Chrysotile (PC)	90 SF (12 Windows)
Exterior	E	2-2	HA-2	Tan Window Glaze	Non-Friable	Good	Miscellaneous	No	Not Analyzed	
Exterior	E	3-1	HA-3	Tan Cinder Block Grout	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Exterior	E	3-2	HA-3	Tan Cinder Block Grout	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Exterior	E	4-1	HA-4	White Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Exterior	E	4-2	HA-4	White Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Room 1	1	5-1	HA-5	Tan 12x12 Floor Tile	Non-Friable	Fair	Miscellaneous	No	Tile: 2% Chrysotile (PC) Mastic: Non-Detected	225 SF
Room 1	1	5-2	HA-5	Tan 12x12 Floor Tile	Non-Friable	Fair	Miscellaneous	No	Tile: Not Analyzed Mastic: Non-Detected	
Room 1	1	6-1	HA-6	Tan Panel Mastic	Non-Friable	Good	Miscellaneous	No	Non-Detected	490 SF
Room 2	1	6-2	HA-6	Tan Panel Mastic	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Room 1	1	7-1	HA-7	Black Stud Mastic	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Room 1	1	7-2	HA-7	Black Stud Mastic	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Room 4	1	8-1	HA-8	Tan Stud Mastic	Non-Friable	Good	Miscellaneous	No	Non-Detected	140 SF
Room 4	1	8-2	HA-8	Tan Stud Mastic	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Room 4	1	9-1	HA-9	Gray Vent Grout	Non-Friable	Good	Miscellaneous	No	Non-Detected	4 SF
Room 4	1	9-2	HA-9	Gray Vent Grout	Non-Friable	Good	Miscellaneous	No	Non-Detected	

TABLE 1
Asbestos Sampling Results

Client		Kalamazoo County Land Bank Authority								
Survey Location		1110 Division St., Kalamazoo, MI								
Survey Date		April 25, 2022								
Sample Location	Floor	Sample ID	HM #	Homogeneous Material Group	Friable/Non Friable	Condition	EPA Classification	RACM	Asbestos	Quantity
Room 4	1	10-1	HA-10	Drywall	Non-Friable	Good	Miscellaneous	No	Non-Detected	320 SF
Room 2	1	10-2	HA-10	Drywall	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Room 3	1	10-3	HA-10	Drywall	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Room 2	E	11-1	HA-11	Faux Brick 12x12 Floor Tile	Non-Friable	Good	Miscellaneous	No	Tile: Non-Detected Mastic: Non-Detected	125 SF
Room 2	E	11-2	HA-11	Faux Brick 12x12 Floor Tile	Non-Friable	Good	Miscellaneous	No	Tile: Non-Detected Mastic: Non-Detected	
Room 2	1	12-1	HA-12	Black Wall Mastic	Non-Friable	Good	Miscellaneous	No	1.5% Chrysotile (PC)	125 SF
Room 2	1	12-2	HA-12	Black Wall Mastic	Non-Friable	Good	Miscellaneous	No	Not Analyzed	
Exterior	E	13-1	HA-13	Black Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Exterior	E	13-2	HA-13	Black Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Exterior	E	14-1	HA-14	Gray Chimney Grout	Non-Friable	Good	Miscellaneous	No	Non-Detected	20 SF
Exterior	E	14-2	HA-14	Gray Chimney Grout	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Exterior	E	15-1	HA-15	Tan Blown-In Insulation	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Exterior	E	15-2	HA-15	Tan Blown-In Insulation	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Exterior	E	16-1	HA-16	Green Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Exterior	E	16-2	HA-16	Green Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Exterior	E	17-1	HA-17	Gray Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Exterior	E	17-2	HA-17	Gray Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	
Exterior	E	18-1	HA-18	Red Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	2,000 SF
Exterior	E	18-2	HA-18	Red Roof Shingle	Non-Friable	Good	Miscellaneous	No	Non-Detected	

¹Point Count

²Square Feet

ATTACHMENT A

PHOTO LOG





Front of Structure (From Driveway Approach)



Front of Structure (Near Adjacent Property Owner's Garage)



Collapsed Section of Structure (Looking South)



Collapsed Section of Structure (Looking North)



Window With Caulk and Glaze, Front of Structure (Close-Up)



Window With Caulk and Glaze, Front of Structure (Step-Back)



Windows With Caulk and Glaze, Room 4



Window With Caulk and Glaze, Room 4



Window With Caulk and Glaze, Room 2



Window With Caulk and Glaze and Fluorescent Light Bulbs, Exterior



Tan 12x12 Floor Tile, Room 1



Black Wall Mastic, Room 2



Television, Room 1



Refrigerator, Exterior



Auto Tires, Exterior



Auto Tires, Exterior



Auto Tires, Exterior



5-Gallon Gas Can, Exterior

1110 Division St.
Kalamazoo, Kalamazoo County, Michigan
Photographs taken by: Andrew Biehl on April 25, 2022



Oven, Exterior

ATTACHMENT B

LIMITATIONS





REGULATED MATERIALS SURVEY LIMITATIONS

The Mannik & Smith Group, Inc. (MSG) performed its services associated with this Asbestos Containing Building Material Survey (ACBMS) in general accordance with guidelines set forth in the Environmental Protection Agency (EPA) 40 Code of Federal Regulations (CFR) 763, Occupational Safety and Health Administration (OSHA) 29 CFR 1910.1101, and in conformance with the care and skill ordinarily used by other reputable environmental consulting firms practicing under similar conditions, at the same time, and in the same or similar locality. This RMS and related documentation are site-specific, which means they pertain to the conditions of the site surveyed.

Unless otherwise noted, MSG's ACBMS is limited to accessible areas. Areas determined to be not structurally sound, safely reached, limited by excessive accumulated obstructions, require specialized equipment to access, in operable windows, etc., are not included in this survey. There may be areas where regulated materials, such as suspected asbestos-containing materials (SACM) and lead containing paint cannot be viewed and/or tested. MSG shall not be responsible for identifying all SACM, lead containing paint, or other hazardous materials located in inaccessible locations, including but not limited to, above a plaster ceiling, behind a wall, embedded in concrete, buried, confined spaces, unsafe areas, or otherwise not readily identifiable.

Destructive sampling will only be conducted when permission has been granted by the owner. Destructive survey locations are limited to areas where hidden SACM, lead containing paint, or other hazardous materials is reasonably thought to be present and sampling can be conducted in a safe manner. If regulated materials are found during the course of demolition and/or renovation activities that are not listed in this report, the material should be assumed as asbestos-containing, lead containing, or hazardous until it can be sampled and analyzed at an accredited laboratory and safe work practices should always be used if those areas are to be disturbed.

MSG has prepared a logical assessment program to reduce the client's risk of discovering unknown regulated materials and/or hazardous substances. The presence of subsurface regulated materials and/or hazardous substances is based solely on surface observations and/or information provided by others. Descriptions of subsurface conditions provided in this report are not warranted to be complete or accurate. This risk may be reduced by more extensive exploration on the site, but even with additional exploration, it is not possible to completely eliminate the risk of discovering regulated materials and/or hazardous conditions. It cannot and should not be assumed that samples collected and conditions observed at the time of the ACBMS are representative of an area that has not been sampled and/or tested.

In preparing this report, MSG may have relied on information obtained from or provided by others. MSG makes no representation or warranty regarding the accuracy or completeness of this information gathered through outside sources or subcontracted services. No warranty, guarantee, or certification of any kind, expressed or implied, at common law or created by statute, is extended, made, or intended by rendering these environmental consulting services or by furnishing this written report. Environmental conditions and regulations are subject to constant change and reinterpretation. One should not assume that any on-site conditions and/or regulatory statutes or rules will remain constant after MSG has completed the scope of work for this project. Furthermore, because the facts stated in this report are subject to professional interpretation, differing conclusions could be reached by other environmental professionals.

The report is intended to offer support to a building owner, construction manager, general contractor, abatement contractor, architect, and/or other parties authorized by the owner in generally locating asbestos-containing materials (ACM), universal and hazardous wastes, and/or other regulated materials. This report does not have the required components to serve as an Asbestos Project Design document, Asbestos Abatement Work Plan, and/or a Health and Safety Plan. Therefore, this report should not be utilized as a project specification document. The results, findings, conclusions, and recommendations expressed in

this report are based only on conditions that were noted during this survey. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Quantities have been conservatively estimated and sampling locations have been described representatively; however, current site conditions should be field-verified by contractors bidding on and/or prior to abatement work.

ATTACHMENT C

ANALYTICAL REPORTS AND CHAINS OF CUSTODY



The Mannik & Smith Group Analytical Laboratories

G0003

2365 S Haggerty Rd, Canton, MI 48188

Client The Mannik & Smith Group, Inc.
1345 Monroe Ave NW, Suite 269
Grand Rapids, MI, 49505

Received 04/26/22
Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 1-1 Layer 1 Tan window caulk Type Chrysotile 1.50% Tan, fibrous, homogeneous 98.5% non-asbestos Point count performed.	Lab ID G0003-1	Location Exterior
Client ID AS 1-2 Layer 1 Tan window caulk Type Not Analyzed - Tan, fibrous, homogeneous	Lab ID G0003-2	Location Exterior
Client ID AS 2-1 Layer 1 Tan window glaze Type Chrysotile 1.50% Tan, fibrous, homogeneous 98.5% non-asbestos Point count performed.	Lab ID G0003-3	Location Exterior
Client ID AS 2-2 Layer 1 Tan window glaze Type Not Analyzed - Tan, fibrous, homogeneous	Lab ID G0003-4	Location Exterior
Client ID AS 3-1 Layer 1 Tan cinderblock grout Type Non Detect 0.00% Tan, nonfibrous, homogeneous 100% non-asbestos	Lab ID G0003-5	Location Exterior

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
 Analyst: Lillian C. Hill Quality Manager
 Reviewer: Christopher A. Claes Laboratory Director

Accreditations
 NIST-NVLAP
 No. 600212-0

The results herein relate only to the samples as received and tested by The Mannik & Smith Analytical Laboratories. This report can not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other agency of the Federal Government. Please see the Sample Protocol before submitting samples for analysis in order to ensure laboratory staff safety and analysis accuracy.

The Mannik & Smith Group Analytical Laboratories

G0003

2365 S Haggerty Rd, Canton, MI 48188

Client The Mannik & Smith Group, Inc.
1345 Monroe Ave NW, Suite 269
Grand Rapids, MI, 49505

Received 04/26/22
Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 3-2 Layer 1 Tan cinderblock grout Type Non Detect 0.00% Tan, nonfibrous, homogeneous 100% non-asbestos	Lab ID G0003-6	Location Exterior
Client ID AS 4-1 Layer 1 White roof shingle Type Non Detect 0.00% White, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-7	Location Exterior
Client ID AS 4-2 Layer 1 White roof shingle Type Non Detect 0.00% White, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-8	Location Exterior
Client ID AS 5-1 Layer 1 Tan 12x12 floor tile Type Chrysotile 2.00% Tan, fibrous, homogeneous 98% non-asbestos Point count performed.	Lab ID G0003-9 Layer 2 Mastic Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Location Room 1
Client ID AS 5-2 Layer 1 Tan 12x12 floor tile Type Not Analyzed - Tan, fibrous, homogeneous	Lab ID G0003-10 Layer 2 Mastic Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Location Room 1

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
Analyst: Lillian C. Hill Quality Manager
Reviewer: Christopher A. Claes Laboratory Director

Accreditations
NIST-NVLAP
No. 600212-0

The results herein relate only to the samples as received and tested by The Mannik & Smith Analytical Laboratories. This report can not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any other agency of the Federal Government. Please see the Sample Protocol before submitting samples for analysis in order to ensure laboratory staff safety and analysis accuracy.

The Mannik & Smith Group Analytical Laboratories

G0003

2365 S Haggerty Rd, Canton, MI 48188

Client The Mannik & Smith Group, Inc.
1345 Monroe Ave NW, Suite 269
Grand Rapids, MI, 49505

Received 04/26/22
Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 6-1 Layer 1 Tan panel mastic Type Non Detect 0.00% Tan, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-11	Location Room 1
Client ID AS 6-2 Layer 1 Tan panel mastic Type Non Detect 0.00% Tan, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-12	Location Room 2
Client ID AS 7-1 Layer 1 Black stud mastic Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-13	Location Room 1
Client ID AS 7-2 Layer 1 Black stud mastic Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-14	Location Room 1
Client ID AS 8-1 Layer 1 Tan stud mastic Type Non Detect 0.00% Tan, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-15	Location Room 4

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
Analyst: Lillian C. Hill Quality Manager
Reviewer: Christopher A. Claes Laboratory Director

Accreditations
NIST-NVLAP
No. 600212-0

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The Mannik & Smith Group Analytical Laboratories

G0003

2365 S Haggerty Rd, Canton, MI 48188

Client The Mannik & Smith Group, Inc.
1345 Monroe Ave NW, Suite 269
Grand Rapids, MI, 49505

Received 04/26/22
Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 8-2 Layer 1 Tan stud mastic Type Non Detect 0.00% Tan, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-16	Location Room 4
Client ID AS 9-1 Layer 1 Gray vent grout Type Non Detect 0.00% Gray, nonfibrous, homogeneous 100% non-asbestos	Lab ID G0003-17	Location Room 4
Client ID AS 9-2 Layer 1 Gray vent grout Type Non Detect 0.00% Gray, nonfibrous, homogeneous 100% non-asbestos	Lab ID G0003-18	Location Room 4
Client ID AS 10-1 Layer 1 Drywall Type Non Detect 0.00% White, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-19	Location Room 4
Client ID AS 10-2 Layer 1 Drywall Type Non Detect 0.00% White, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-20	Location Room 2

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
Analyst: Lillian C. Hill Quality Manager
Reviewer: Christopher A. Claes Laboratory Director

Accreditations
NIST-NVLAP
No. 600212-0

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Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 10-3 Layer 1 Drywall Type Non Detect 0.00% White, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-21	Location Room 3
Client ID AS 11-1 Layer 1 Faux brick 12x12 floor tile Type Non Detect 0.00% Beige, fibrous, homogeneous 100% non-asbestos	Layer 2 Mastic Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-22 Location Room 2
Client ID AS 11-2 Layer 1 Faux brick 12x12 floor tile Type Non Detect 0.00% Beige, fibrous, homogeneous 100% non-asbestos	Layer 2 Mastic Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-23 Location Room 2
Client ID AS 12-1 Layer 1 Black wall mastic Type Chrysotile 1.50% Black, fibrous, homogeneous 98.5% non-asbestos Point count performed.	Lab ID G0003-24	Location Room 2
Client ID AS 12-2 Layer 1 Black wall mastic Type Not Analyzed - Black, fibrous, homogeneous	Lab ID G0003-25	Location Room 2

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
Analyst: Lillian C. Hill Quality Manager
Reviewer: Christopher A. Claes Laboratory Director

Accreditations
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No. 600212-0

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Client The Mannik & Smith Group, Inc.
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Received 04/26/22
Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 13-1 Layer 1 Black roof shingle Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-26	Location Exterior
Client ID AS 13-2 Layer 1 Black roof shingle Type Non Detect 0.00% Black, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-27	Location Exterior
Client ID AS 14-1 Layer 1 Gray chimney grout Type Non Detect 0.00% Gray, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-28	Location Exterior
Client ID AS 14-2 Layer 1 Gray chimney grout Type Non Detect 0.00% Gray, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-29	Location Exterior
Client ID AS 15-1 Layer 1 Tan blown-in insulation Type Non Detect 0.00% Tan, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-30	Location Room 1

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
Analyst: Lillian C. Hill Quality Manager
Reviewer: Christopher A. Claes Laboratory Director

Accreditations
NIST-NVLAP
No. 600212-0

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The Mannik & Smith Group Analytical Laboratories

G0003

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Client The Mannik & Smith Group, Inc.
1345 Monroe Ave NW, Suite 269
Grand Rapids, MI, 49505

Received 04/26/22
Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 15-2 Layer 1 Tan blown-in insulation Type Non Detect 0.00% Tan, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-31	Location Room 2
Client ID AS 16-1 Layer 1 Green roof shingle Type Non Detect 0.00% Green, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-32	Location Exterior
Client ID AS 16-2 Layer 1 Green roof shingle Type Non Detect 0.00% Green, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-33	Location Exterior
Client ID AS 17-1 Layer 1 Gray roof shingle Type Non Detect 0.00% Gray, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-34	Location Exterior
Client ID AS 17-2 Layer 1 Gray roof shingle Type Non Detect 0.00% Gray, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-35	Location Exterior

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
Analyst: Lillian C. Hill Quality Manager
Reviewer: Christopher A. Claes Laboratory Director

Accreditations
NIST-NVLAP
No. 600212-0

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The Mannik & Smith Group Analytical Laboratories

2365 S Haggerty Rd, Canton, MI 48188

G0003

Client The Mannik & Smith Group, Inc.
1345 Monroe Ave NW, Suite 269
Grand Rapids, MI, 49505

Received 04/26/22
Analyzed 04/26/22
Reported 04/26/22

Project 1110 Divison St Kalamazoo, MI
Order # G0003
Project # PROJPEND

BULK SAMPLE ANALYSIS SUMMARY

Client ID AS 18-1 Layer 1 Red roof shingle Type Non Detect 0.00% Red, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-36	Location Exterior
Client ID AS 18-2 Layer 1 Red roof shingle Type Non Detect 0.00% Red, fibrous, homogeneous 100% non-asbestos	Lab ID G0003-37	Location Exterior

Analytical Method: US EPA 600/R-93/116 by Polarized Light Microscopy
Analyst: Lillian C. Hill Quality Manager
Reviewer: Christopher A. Claes Laboratory Director

Accreditations
NIST-NVLAP
No. 600212-0

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THE MANNIK AND SMITH GROUP, INC.


2365 HAGGERTY ROAD SOUTH
CANTON, MICHIGAN 48188
(734) 397-3100
FAX: (734) 397-3131
www.manniksmithgroup.com

**Bulk Asbestos
Chain of Custody**

Project #: **60003**

Client: MANNIK & SMITH GROUP	Contact: Andrew Biehl	Project Location/name: 1110 Division Street Kalamazoo, MI
	Phone: 734-747-2329	
Address: 2365 Haggerty Rd, Canton, MI	Fax:	
	E-mail: abiehl@manniksmithgroup.com	Client Project #:
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 25-Apr-22

Turnaround Time (TAT): <input checked="" type="checkbox"/> RUSH <input type="checkbox"/> 24 hr <input type="checkbox"/> 48 hr <input type="checkbox"/> 72 hr <input type="checkbox"/> Standard <input type="checkbox"/> Other _____

PLM Instructions (Check all that apply)	
<input checked="" type="checkbox"/> PLM EPA600/R-93/116, 1993 (Standard method)	<input checked="" type="checkbox"/> Test Till Positive - YES
Point Counting: Point count if results are <3%	
<input type="checkbox"/> Gravimetric Reduction* <input type="checkbox"/> NYSDOH ELAP 198.6, 2010*	
<input type="checkbox"/> PLM Non-Building Material (Dust, Wipe, Tape)	<input type="checkbox"/> Soil or Vermiculite Analysis*

Lab ID	Sample ID	Sample Location	Material Description
	1-1	Exterior	Tan window caulk
	1-2	Exterior	Tan window caulk
	2-1	Exterior	Tan window glaze
	2-2	Exterior	Tan window glaze
	3-1	Exterior	Tan cinderblock grout
	3-2	Exterior	Tan cinderblock grout
	4-1	Exterior	White roof shingle
	4-2	Exterior	White roof shingle
	5-1	Room 1	Tan 12x12 floor tile
	5-2	Room 1	Tan 12x12 floor tile
	6-1	Room 1	Tan panel mastic
	6-2	Room 2	Tan panel mastic

		Date	Time
Relinquished (Name/Organization):	Andrew Biehl/MSG	4/25/2022	1630 am/pm
Received (Name):	LCH-MSGAL	4/26/22	am/pm
Sample Login (Name):			am/pm
Stereoscopical/Sample Analysis (Name)			am/pm
Results (Name):			am/pm
QA/QC Review (Name):			am/pm

Special Instructions:	Remarks
-----------------------	---------

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**Bulk Asbestos
Chain of Custody**

Project #:

Client: MANNIK & SMITH GROUP	Contact: Andrew Biehl	Project Location/name: 1110 Division Street Kalamazoo, MI
	Phone: 734-747-2329	
Address: 2365 Haggerty Rd, Canton, MI	Fax:	
	E-mail: abiehl@manniksmithgroup.com	Client Project #:
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 25-Apr-22

Turnaround Time (TAT): ☒ RUSH ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ Standard ☐ Other _____

PLM Instructions

(Check all that apply)

<input checked="" type="checkbox"/> PLM EPA600/R-93/116, 1993 (Standard method)	<input checked="" type="checkbox"/> Test Till Positive - YES
Point Counting: Point count if results are <3%	
<input type="checkbox"/> Gravimetric Reduction* <input type="checkbox"/> NYSDOH ELAP 198.6, 2010*	
<input type="checkbox"/> PLM Non-Building Material (Dust, Wipe, Tape)	<input type="checkbox"/> Soil or Vermiculite Analysis*

Lab ID	Sample ID	Sample Location	Material Description
	7-1	Room 1	Black stud mastic
	7-2	Room 1	Black stud mastic
	8-1	Room 4	Tan stud mastic
	8-2	Room 4	Tan stud mastic
	9-1	Room 4	Gray vent grout
	9-2	Room 4	Gray vent grout
	10-1	Room 4	Drywall
	10-2	Room 2	Drywall
	10-3	Room 3	Drywall
	11-1	Room 2	Faux brick 12x12 floor tile
	11-2	Room 2	Faux brick 12x12 floor tile
	12-1	Room 2	Black wall mastic

		Date	Time
Relinquished (Name/Organization):	Andrew Biehl/MSG	4/25/2022	1630 am/pm
Received (Name):			am/pm
Sample Login (Name):			am/pm
Stereoscopical/Sample Analysis (Name)			am/pm
Results (Name):			am/pm
QA/QC Review (Name):			am/pm

Special Instructions:	Remarks
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**Bulk Asbestos
Chain of Custody**

Project #:

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	Phone: 734-747-2329	
Address: 2365 Haggerty Rd, Canton, MI	Fax:	
	E-mail: abiehl@manniksmithgroup.com	Client Project #:
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 25-Apr-22

Turnaround Time (TAT): ☒ RUSH ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ Standard ☐ Other _____

PLM Instructions

(Check all that apply)

<input checked="" type="checkbox"/> PLM EPA600/R-93/116, 1993 (Standard method)	<input checked="" type="checkbox"/> Test Till Positive - YES
Point Counting: Point count if results are <3%	
<input type="checkbox"/> Gravimetric Reduction* <input type="checkbox"/> NYSDOH ELAP 198.6, 2010*	
<input type="checkbox"/> PLM Non-Building Material (Dust, Wipe, Tape)	<input type="checkbox"/> Soil or Vermiculite Analysis*

Lab ID	Sample ID	Sample Location	Material Description
	12-2	Room 2	Black wall mastic
	13-1	Exterior	Black roof shingle
	13-2	Exterior	Black roof shingle
	14-1	Exterior	Gray chimney grout
	14-2	Exterior	Gray chimney grout
	15-1	Room 1	Tan blown-in insulation
	15-2	Room 2	Tan blown-in insulation
	16-1	Exterior	Green roof shingle
	16-2	Exterior	Green roof shingle
	17-1	Exterior	Gray roof shingle
	17-2	Exterior	Gray roof shingle
	18-1	Exterior	Red roof shingle

		Date	Time
Relinquished (Name/Organization):	Andrew Biehl/MSG	4/25/2022	1630 am/pm
Received (Name):			am/pm
Sample Login (Name):			am/pm
Stereoscopical/Sample Analysis (Name)			am/pm
Results (Name):			am/pm
QA/QC Review (Name):			am/pm

Special Instructions:	Remarks
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**Bulk Asbestos
Chain of Custody**

Project #:

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	Phone: 734-747-2329	
Address: 2365 Haggerty Rd, Canton, MI	Fax:	
	E-mail: abiehl@manniksmithgroup.com	Client Project #:
Please Provide Results: <input checked="" type="checkbox"/> Email <input type="checkbox"/> Fax <input type="checkbox"/> Verbal <input type="checkbox"/> Other _____		Date Sampled: 25-Apr-22

Turnaround Time (TAT): ☒ RUSH ☐ 24 hr ☐ 48 hr ☐ 72 hr ☐ Standard ☐ Other _____

PLM Instructions

(Check all that apply)

<input checked="" type="checkbox"/> PLM EPA600/R-93/116, 1993 (Standard method)	<input checked="" type="checkbox"/> Test Till Positive - YES
Point Counting: Point count if results are <3%	
<input type="checkbox"/> Gravimetric Reduction* <input type="checkbox"/> NYSDOH ELAP 198.6, 2010*	
<input type="checkbox"/> PLM Non-Building Material (Dust, Wipe, Tape)	<input type="checkbox"/> Soil or Vermiculite Analysis*

Lab ID	Sample ID	Sample Location	Material Description
	18-2	Exterior	Red roof shingle

		Date	Time
Relinquished (Name/Organization):	Andrew Biehl/MSG	4/25/2022	1630 am/pm
Received (Name):			am/pm
Sample Login (Name):			am/pm
Stereoscopical/Sample Analysis (Name)			am/pm
Results (Name):			am/pm
QA/QC Review (Name):			am/pm
Special Instructions:		Remarks	

ATTACHMENT D

NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH



NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, & ENERGY (EGLE) AIR QUALITY DIVISION
NESHAP, 40 CFR Part 61, Subpart M



MICHIGAN DEPARTMENT OF LABOR AND ECONOMIC OPPORTUNITY (LEO), ASBESTOS PROGRAM, P.A. 135 OF 1986, AS AMENDED, Section 220 (1-4) or (8)

EGLE/LEO USE ONLY

Postmark Date ____/____/____ Rec'd Date ____/____/____

Emergency Date ____/____/____ Valid No. _____

☐ OK ☐ Send Def Ltr. Date of Def Ltr. ____/____/____

FOLLOW UP ____/____/____ Spoke w/ _____

Comments: _____

Notification No. _____ Trans No. _____

Calculate LEO Asbestos Project Fee: (1% Project Fee)

Total Project Cost: _____ x 0.01 = _____

Type of Contractor: _____ License No.: _____

Licensing Authority: _____

1. NOTIFICATION:

Date of Notification: _____

Date of Revision(s): _____

Notification Type: ☐ Original ☐ Revised ☐ Canceled ☐ Annual

Mark appropriate boxes: (both EGLE and LEO may apply):

EGLE (NESHAP) [260 In. ft./160 sq. ft. or more is threshold]

☐ Planned Renovation – 10 working days notice

☐ Emergency Renovation

☐ Scheduled Demolition – 10 working days notice

☐ Intentional Burn – 10 working days notice

☐ Ordered Demolition

LEO (MIOSHA) [Will not accept annual notifications]

☐ Demo, Reno, Encap. (>10 In. ft./15 sq. ft.) 10 calendar days notice

☐ Emergency Renovation/Encapsulation

2. PROJECT SCHEDULE:

	START DATE	END DATE
* Renovation	_____	_____
+Asb. Removal	_____	_____
+Demolition:	_____	_____
Encapsulation:	_____	_____

Work Schedule: Please indicate the anticipated days of the week and work hours for the purpose of scheduling a compliance inspection.

	Days of the Week	Work Hours
Asb. Removal:	_____	_____
Demolition:	_____	_____
Encapsulation:	_____	_____

* Includes setup, build enclosure, asbestos removal, demobilizing, etc.

+Include only those dates you are conducting asbestos removal/demo.

☐ Check here if this is a multi-phased project, attach a schedule showing the start/end date of each phase.

3. ABATEMENT CONTRACTOR:

Internal Project #: _____

Name: _____

Mailing Address: _____

City/State/Zip: _____

E-mail: _____

Contact: _____ Phone: _____

4. DEMOLITION CONTRACTOR:

Internal Project #: _____

Name: _____

Mailing Address: _____

City/State/Zip: _____

E-mail: _____

Contact: _____ Phone: _____

5. FACILITY OWNER: ("Facility" includes Bridges)

Name: _____

Mailing Address: _____

City/State/Zip: _____

E-mail: _____

Contact: _____ Phone: _____

6. FACILITY DESCRIPTION:

Facility Name: _____

Location Address/Description: _____

_____ If Apt. # of units: _____

City/Twp. _____ State: _____ Zip Code: _____

County: _____ Nearest Crossroad: _____

Size: (sq. ft.) _____ No. of Floors: _____ Floor No.: _____

Age: _____ Present Use: _____ Prior Use: _____

Specific Location(s) in Facility: _____

7. DISPOSAL SITE:

Name: _____

Location Address: _____

City/State/Zip: _____

8. WASTE TRANSPORTER 1:

Name: _____

Address: _____

City/State/Zip: _____

Phone: _____

WASTE TRANSPORTER 2:

9. ORDERED DEMOLITIONS: (See NESHAP regulations for definition of "Ordered Demolition.") A copy of the official Order must accompany this notification.

Gov't Agency Ordering Demo: _____

Name/Title of Person Signing Order: _____

Date of Order: _____ Date Ordered to Begin: _____

10. IS ASBESTOS PRESENT?

☐ Yes ☐ No

☐ To be removed prior to demolition

Estimate the amount of asbestos: Include RACM (Regulated Asbestos Containing Material) to be removed, encapsulated, etc. Also include the amount and type (floor tile, roofing, etc.) of non-friable Category I and/or Category II ACM that will not be removed prior to demolition. (**NOTE:** In a demolition, cementitious ACM cannot remain in a structure, as it is likely to become regulated in the demolition/handling process. It must be removed prior to demolition.)

RACM to be Removed	RACM to be Encapsulated	Non-friable ACM <u>not</u> removed prior to demo.		Units of Measure	
		Category I	Category II		
				<input type="checkbox"/> Ln. Ft.	<input type="checkbox"/> Ln. M.
				<input type="checkbox"/> Sq. Ft.	<input type="checkbox"/> Sq. M.
				<input type="checkbox"/> Cu. Ft.*	<input type="checkbox"/> Cu. M.*

*Volume (cubic ft./meters) should be used only if unable to measure by linear/square measure (example: asbestos has fallen off of surface).

(continued on reverse side)

NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH (continued)

11. PROJECT DESCRIPTION: Complete **A) for Renovation** (asbestos removal/encapsulation) and/or **B) for Demolition**:

A) RENOVATION: Mark all surfaces/types of RACM to be removed:

☐ Piping ☐ Fittings ☐ Boiler(s) ☐ Tanks(s)
☐ Beam(s) ☐ Duct(s) ☐ Tunnel(s) ☐ Ceiling Tile(s)
☐ Mag Block ☐ Other (describe) _____

Encapsulation (for LEO): Mark surfaces/types to be encapsulated:

☐ Piping ☐ Fittings ☐ Boiler(s) ☐ Tank(s)
☐ Beam(s) ☐ Duct(s) ☐ Tunnel(s) ☐ Ceiling Tile(s)
☐ Other (describe) _____

Method of removal: Describe how the asbestos will be removed from the surface (example: glove bag, scrape with hand tools, cut in sections and carefully lower, etc.): _____

B) DEMOLITION: Describe the method of demolition of facility, bridge, etc., and indicate if complete or partial. If partial, describe which part of facility bridge, etc., will be demolished: _____

12. ENGINEERING CONTROLS: Describe work practices and engineering controls used to prevent visible emissions before, during, and after removal, and until proper disposal: _____

13. UNEXPECTED ASBESTOS: Describe the steps you intend to follow in the event that unexpected RACM is found or previously non-friable asbestos becomes friable (crumbled, pulverized, reduced to powder, etc.) and therefore regulated: _____

14. PROCEDURE(S) USED TO DETECT THE PRESENCE OF ASBESTOS: **A)** Indicate how you determined whether or not asbestos is in the facility. If analytical sampling was used, describe method of analysis. (The determination of the presence or absence of asbestos must be made prior to submitting a renovation/demolition notification.): _____

B) Name, address, and phone number of the company performing asbestos survey: _____

C) Name, accreditation number of the inspector, and date of inspection: _____

15. EMERGENCY RENOVATIONS: Date/time of emergency: _____ Describe the sudden, unexpected event: _____

Explain how the event caused unsafe conditions, and/or would cause equipment damage and/or an unreasonable financial burden: _____

16. I certify that an individual trained in the provisions of 40 CFR Part 61, Subpart M, will be on-site during the renovation and during demolition involving RACM above the threshold and/or during an ordered demolition. Evidence that this person has completed the required training will be available for inspection at the renovation or demolition site.

Signature of Owner or Abatement Contractor Date

Signature of Owner or Demolition Contractor Date

17. Signature Requirements for Projects with Negative Pressure Enclosures: (required by LEO)

Per Section 221(1)(2) of P.A. 135 of 1986, as amended, clearance air monitoring is required for any asbestos abatement project involving 10 linear feet/15 square feet or more of friable material which is performed within a negative pressure enclosure. I (the building owner or lessee) have been advised by the contractor of my responsibility under Act 135 to have clearance air monitoring performed on this project.

Signature of Building Owner or Lessee Date

Signature of Asbestos Abatement Contractor Representative Date

NOTE: It is not mandatory that a signed copy be sent to LEO unless requested. For affected projects, this section of the notification form must be completed, signed, and made part of your records before the project begins.

18. I certify that the above information is correct:

Printed Name of Owner/Operator Date

Signature of Owner/Operator Date

MAILING ADDRESSES/PHONE NUMBERS: (See Item 1 to determine which agency requirements/regulations are applicable to your project.)

For **Public Act 135 of 1986, as amended, Section 220 (1-4) or (8)**, mail to address below. For more info visit:
<http://www.michigan.gov/asbestos>

MIOASHA Asbestos Program
 LEO, CSHD
 P.O. Box 30671
 Lansing, MI 48909-8171

517.284.7699 (office), 517.284.7700 (fax)

For **NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M**, please use the e-submittal process. For more information visit <http://www.michigan.gov/air>, under Air Links click on Asbestos NESHAP Program.

NESHAP Asbestos Program
 EGLE, AQD
 P.O. Box 30260
 Lansing, MI 48909-7760

517.899.2182 (Office)