



# PRE-DEMOLITION HAZARDOUS MATERIALS ASSESSMENT REPORT

419 Booth Street  
Grand Ledge, Michigan 48837

Project No. 25-4311

September 30, 2025

**PREPARED FOR:**

Mr. Adam Smith  
The City of Grand Ledge  
310 Greenwood Street  
Grand Ledge, Michigan 48837

**PREPARED BY:**

**TRI**  **TERRA**





1375 S. Washington Avenue, Suite 100  
Lansing, Michigan 48910  
517-702-0470  
Fax 517-702-0477  
www.triterra.us

September 30, 2025  
Triterra Project #: 25-4311

Mr. Adam Smith  
The City of Grand Ledge  
310 Greenwood Street  
Grand Ledge, Michigan 48837

**SUBJECT:     *Pre-Demolition Hazardous Materials Assessment  
419 Booth Street, Grand Ledge, Michigan 48837***

Dear Mr. Smith:

Triterra has completed an pre-demolition hazardous materials assessment for the residence located at *419 Booth Street* in *Grand Ledge, Michigan* (the Property) to determine if any ACM or other hazardous non-ACM exists within the structure. This inspection was completed for The City of Grand Ledge (the Client) to ensure compliance with the OSHA Construction Standard for Asbestos (29 CFR 1926.1101) and the United States Environmental Protection Agency (USEPA) requirements for inspection of buildings prior to renovation or demolition under the National Emissions Standards for Hazardous Air Pollutants (NESHAP 40 CFR Part 61). This report outlines and interprets the results of these analyses. A description of the structure, inspection methods, results, and recommendations are provided herein.

### **Building Description**

The Property includes a two-story residential house which was built in 1910. The wood-frame home has a concrete foundation, vinyl, metal, wood siding, and an asphalt-shingle roof. Building materials therein, include; drywall and plaster walls and ceilings, various types of flooring (hardwood, concrete, carpet, vinyl-composition tile, and OSB. Other building materials/components include acoustical ceiling tile, window caulk, and glazing. Additionally, a storage shed is located behind the home. This wood-frame shed was built on a concrete slab and has wood siding and an asphalt-shingle roof.

### **Hazardous Materials Survey**

On September 8, 2025, Vince Fountain and Erik Eikay of Triterra conducted a hazardous materials survey of the Property to identify potential polychlorinated biphenyl (PCB) and mercury containing equipment as well as containers that may contain hazardous or regulated wastes. Universal waste, hazardous materials, and other regulated materials must be properly characterized and recycled/disposed of in accordance with Parts 111, 115, or 147 of Michigan Public Act 451, as amended. The potentially hazardous materials/equipment identified during the assessment are included in the following table:

Material (hazardous component)	Quantity	Location(s)
Appliances (CFCs, PCBs)	30+	Located throughout
Refrigerator (refrigerant – HFC, CFCs, HCFCs)	3	Kitchen and second floor
Paints/Stains (heavy metals)	12+	Located throughout

As part of the pre-demolition hazardous materials inspection, Triterra collected 4 paint chips of common paint schemes throughout the building that are likely to be impacted by the scheduled renovation. The purpose of the paint chip sampling was to identify the presence of lead, cadmium, and chromium content within paints on various building components. Triterra did not attempt to sample or inventory all painted surfaces and components that are likely to be impacted by renovation activities.

Samples were submitted to Merit Laboratories, Inc., an American Industrial Hygiene Association (AIHA) and National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory for heavy metal paint chip analysis. Merit utilized EPA-approved analytical methods for the identification of lead, cadmium, and chromium within the paint samples submitted for analysis. A copy of the chain of custody can be found in **Appendix B**. A description of the paint is summarized in the table below:

Paint Chip Sample Results for Lead (Pb), Cadmium (Cd), and Chromium (Cr)					
Sample ID	Paint Description	Sample Location	Pb Concentration (weight %)	Cd Concentration (weight %)	Cr Concentration (weight %)
PC-1	White	Main Floor	<b>7.45</b>	<RL	<b>0.15</b>
PC-2	White	Exterior	<b>0.95</b>	<RL	<RL
PC-3	Red	Exterior	<b>2.0</b>	<RL	<RL
PC-4	Brown	Exterior	<b>5.18</b>	<RL	<RL

<RL = Lead concentration is below laboratory reporting limit  
 Bolded results indicate potential hazard – Requires awareness training and special work practices to handle.

### **ACM Inspection Methods**

Vince Fountain and Erik of Triterra completed an ACM inspection of the structure on September 8, 2025. Both Mr. Fountain and Mr. Eikey are accredited State of Michigan/EPA Asbestos Building Inspector, accreditation numbers A55377 and A52285, respectively. Both credentials/certifications are provided in **Appendix A**.

Building construction plans, diagrams, and/or Client provided information was utilized to assign room/area designations so that all areas of the structure are identifiable for sample location purposes. Each room/area of the structure was then evaluated for suspect ACM. Areas that contain similar suspect ACM were grouped into a single Homogenous Area (a grouping of rooms/spaces containing the same material according to color, texture, and date of application).

Suspect materials were placed into three major categories: surfacing materials, thermal system insulation materials, and miscellaneous materials. Surfacing materials are sprayed-on or troweled-on (e.g. plaster, fireproofing, or acoustical materials). Thermal system insulation materials are used for heat insulation or condensation prevention (e.g. boiler coverings, pipe insulation, or roof drain insulation). Miscellaneous materials are any application that does not fall into the surfacing or thermal system insulation categories (e.g. floor tile, roofing, drywall, etc.).

Representative samples of each encountered suspect ACM were either collected for laboratory analysis or presumed to contain asbestos. Presumed asbestos-containing materials (PACM) are generally thermal system insulation and surfacing materials that have a high likelihood of containing greater than 1% asbestos and therefore are not sampled. Each sample collected was containerized in double-layer, laboratory-provided, sampling bags. The collected samples were sent to Southeast Environmental Microbiology Laboratory's [Accreditation Number 600385-0] for analysis using polarized light microscopy (PLM). PLM is the most commonly used method for the analysis of bulk samples, using 10 to 400 times power magnification. PLM bulk sample analyses follow the EPA method of the Determination of Asbestos in Bulk Insulation Samples (EPA 600/R-93-116). The laboratory results indicate the percentage and type of asbestos in the sample and the other fibrous or non-fibrous non-asbestos materials in the sample. Chain-of-custody documentation was followed throughout the sample collection, handling, and shipping to assure quality control requirements were met.

### **Inspection Results**

**Friable ACM** are defined as materials which contain greater than 1% asbestos and can be crushed, pulverized, or reduced to powder using hand pressure. Friable ACM were not identified during the inspection.

**Non-friable ACM** are materials that cannot be crumbled, pulverized, or reduced to a powder by hand pressure. Non-friable ACM is separated into category I and category II non-friable ACM.

- Category I non-friable ACM is defined as packings, gaskets, resilient floor coverings, and asphalt roofing products containing greater than 1% asbestos. Category I non-friable ACM were not identified during the inspection.
- Category II non-friable ACM is defined as any other non-friable material containing greater than 1% asbestos, excluding category I non-friable ACM. Category II non-friable ACM were not identified during the inspection.

A detailed list of materials inspected/sampled during the assessment is provided in **Tables 1, 2, 3, 4, 5, and 6** attached, which includes material descriptions, locations, and asbestos content of the materials. Photos of the Property and/or materials identified as asbestos-containing are included in **Appendix C**.

### **Conclusions/Recommendations**

Based on Triterra's understanding of the demolition activities planned at the Property, no special precautions related to ACM need to be taken in this case. However, all universal waste items identified in **Table 6** should be properly disposed of prior to demolition.

All demolition activities should take into consideration that paints containing lead and chromium are present and therefore lead-safe work practices should be utilized throughout the demolition process to prevent employee exposure. Contractors performing demolition activities must have up-to-date lead awareness training prior to performing any work-related activities.

Depending on the type and quantities of ACM that will be removed from the structure, a notification may need to be provided to the following regulatory agencies 10 working (or calendar) days prior to the commencement of work with the submittal of a Notification of Intent to Renovate/Demolish form (EQP 5661). The retained asbestos abatement contractor should complete this form as part of their services. This notification should be provided 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) any time renovation/demolition/asbestos abatement is to be completed on a building.

NESHAP Asbestos Program  
EGLE – AQD  
P.O. Box 30260  
Lansing, Michigan 48909  
(517) 284-6777

LEO  
MIOSHA Asbestos Program  
P.O. Box 30671  
Lansing, Michigan 48909  
(517) 636-4551

Regulations governing employee exposure to asbestos hazards in the workplace are located in the federal regulations at Title CFR, part 1910.1001, which is the U. S. Occupational Safety and Health Administration (OSHA) asbestos standard. The presence of any ACM in a facility where there is a possibility of employee exposure triggers the applicability of the standard to the workplace and employees. The standard generally applies to labeling, signage, employee training, and personal protective equipment in order to minimize the risk of asbestos exposure. An employer is required to institute a training program for all employees exposed to airborne concentrations of asbestos at or above the employee permissible exposure limit and/or excursion limit and ensure employee participation in the program. Air sampling and laboratory analysis are required to determine the concentration of asbestos in the air of the employee work areas.

### **Disclaimer**

Destructive testing was completed in accessible areas of the structure and/or areas designated by the Client throughout this inspection. If suspect ACMs are encountered during demolition activities for which no analytical data exists, Triterra recommends the material(s) remain undisturbed until the asbestos content of the material(s) is determined in accordance with USEPA and OSHA regulations. **The quantities presented are meant as a guide and should not be used for bidding purposes without verification.**

Triterra completed the work in general conformance with federal, state, and local requirements and made all appropriate inquiries consistent with good commercial or customary practice. Triterra assumes the information provided in this report and by the Client and/or property owner is factual, complete, and correct. Triterra does not warrant that this report represents an exhaustive study of all possible environmental concerns associated with asbestos at the property. However, the items included in this report are believed to adequately address the client's needs at this time.

This report was prepared exclusively for the Client for the purposes expressly stated. This report may be

Pre-Demolition Hazardous Materials Assessment  
419 Booth Street, Grand Ledge, Michigan  
City of Grand Ledge  
September 30, 2025



unsuitable for other uses, and reliance on its contents by anyone other than the Client is done at the sole risk of that party. This report may not be reproduced, sold, or otherwise conveyed to another entity without prior written permission from Triterra.

Should you have any questions or comments regarding this report, please feel free to contact the undersigned at (517) 702-0470.

Sincerely,



A handwritten signature in blue ink, appearing to read "V. Fountain".

Vince Fountain  
Industrial Hygienist  
Michigan/EPA Certified Asbestos Inspector #A55377

A handwritten signature in blue ink, appearing to read "Kyle A. Clark".

Kyle A. Clark  
Director | Industrial Hygiene  
Michigan/EPA Asbestos Project Designer #A44305

## Tables

Table 1: Description of Functional Spaces  
Table 2: Summary of Homogeneous Areas  
Table 3: Summary of ACM and Description  
Table 4: Summary of Materials by Functional Space  
Table 5: Summary of Paint Sampling and Description  
Table 6: Summary of Hazardous Materials/Universal Waste

## Appendices

Appendix A: Staff Credentials/Certifications  
Appendix B: Laboratory Analytical Results and Chain of Custody Documentation  
Appendix C: Site Photo Log

©2025 Triterra



***TABLES***

**Table 1**  
**Description of Functional Spaces**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

Functional Space No.	Functional Space Description	Floor/Building
1	First Floor	1st
2	Second Floor	2nd
3	Exterior and Shed	Exterior

**Table 1 Notes and Acronyms:**

**1. The term Functional Space (FS) is defined as one or more spatially distinct units or areas within a building. During the survey, the demarcation of these spaces is based on the judgement of the inspector(s), site plans, or other use features deemed appropriate at the time of the survey.**

**Table 2**  
**Description of Homogeneous Areas**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

HA No.	Homogeneous Area Description	Asbestos Content
1	Plaster-Ceiling-Textured-Stomp	Non-Detect (All Layers)
2	Plaster-Ceiling-Smooth	Non-Detect (All Layers)
3	Drywall-Ceiling-Textured-Swirl	Non-Detect (All Layers)
4	Plaster-Wall-Textured	Non-Detect (All Layers)
5	Ceiling Tile-1'x1'-Splined On	Non-Detect (All Layers)
6	Carpet Adhesive - Yellow	Non-Detect (All Layers)
7	VSF w/ Mastic-Yellow-Square Pattern	Non-Detect (All Layers)
8	Drywall w/ Joint Compound	Non-Detect (All Layers)
9	VCT w/ Mastic-9"-White	Non-Detect (All Layers)
10	SCT-2'x4'-Gouges	Non-Detect (All Layers)
11	Wall and Ceiling Texture-Rolled On	Non-Detect (All Layers)
12	VCT w/ Mastic-12"-Gray	Non-Detect (All Layers)

**Table 2**  
**Description of Homogeneous Areas**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

HA No.	Homogeneous Area Description	Asbestos Content
13	Ceiling Covering w/ Adhesive- Shell Pattern	Non-Detect (All Layers)
14	Exterior Window Caulking-White	Non-Detect (All Layers)
15	Exterior Window Glazing-White	Non-Detect (All Layers)
16	Wall Vapor Barrier-Tan	Non-Detect (All Layers)
17	Corrugated Wall Vapor Barrier-Black	Non-Detect (All Layers)
18	Fiber Board	Non-Detect (All Layers)
19	Mortar Associated w/ Foundation	Non-Detect (All Layers)
20	Roofing Shingles	Non-Detect (All Layers)
21	Mortar Associated w/ Chimney	Non-Detect (All Layers)

**Table 2 Notes and Acronyms:**

1. Asbestos is a group of fibrous minerals that include: actinolite, amosite, anthophyllite, chrysotile, crocidolite, and tremolite.
2. Homogeneous Area (HA) is defined as an area of surfacing materials, thermal system insulation, or miscellaneous material that is uniform in color and texture.
3. HA listed in bold text were identified to contain asbestos by laboratory analysis or were presumed to contain asbestos based on the scope of work and/or inspectors discretion.

**Table 3**  
**Summary of Asbestos-Containing Materials**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Recommendation
No Asbestos-Containing Materials Identified						

**Table 3 Notes and Acronyms:**

1. Homogeneous Area (HA) is defined as an area of surfacing materials, thermal system insulation, or miscellaneous material that is uniform in color and texture.
  2. Friable asbestos-containing material (ACM): Material containing more than 1% asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
  3. Nonfriable ACM: Category I or Category II ACM in good condition at time of assessment.
  4. Category I nonfriable ACM: ACM packings, gaskets, resilient floor covering, asphalt roofing products containing more than 1% asbestos.
  5. Category II nonfriable ACM: Any material, excluding Category I nonfriable ACM, containing more than 1% asbestos.
4. SF = Square Feet; LF = Linear Feet; CF = Cubic Feet

**Table 4**  
**Materials By Functional Space**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Asbestos Content	Comments
<b>FS - 1</b>	<b>First Floor</b>						
1	Plaster-Ceiling-Textured-Stomp	Damaged	Category II NF	500	S.F.	Non-Detect (All Layers)	Located in bedrooms and living room on the main floor
2	Plaster-Ceiling-Smooth	Good	Category II NF	90	S.F.	Non-Detect (All Layers)	Located in the kitchen
3	Drywall-Ceiling-Textured-Swirl	Damaged	Category II NF	100	S.F.	Non-Detect (All Layers)	Located in the dining room
4	Plaster-Wall-Textured	Damaged	Category II NF	1000	S.F.	Non-Detect (All Layers)	Located throughout
5	Ceiling Tile-1'x1'-Splined On	Damaged	Friable	90	S.F.	Non-Detect (All Layers)	Located in southwest bedroom
6	Carpet Adhesive - Yellow	Damaged	Category II NF	55	S.F.	Non-Detect (All Layers)	Located in the mud room
7	VSF w/ Mastic-Yellow-Square Pattern	Good	Category I NF	50	S.F.	Non-Detect (All Layers)	Located in the bathroom
8	Drywall w/ Joint Compound	Good	Category II NF	160	S.F.	Non-Detect (All Layers)	Located in the bedroom
9	VCT w/ Mastic-9"-White	Good	Category I NF	200	S.F.	Non-Detect (All Layers)	Located in the kitchen and north west bedroom and kitchen under carpeting
10	SCT-2'x4'-Gouges	Good	Friable	55	S.F.	Non-Detect (All Layers)	Located in the mud room
13	Ceiling Covering w/ Adhesive- Shell Pattern	Good	Category II NF	50	S.F.	Non-Detect (All Layers)	Located in the bathroom
<b>FS - 2</b>	<b>Second Floor</b>						
5	Ceiling Tile-1'x1'-Splined On	Damaged	Friable	300	S.F.	Non-Detect (All Layers)	Located throughout with texture on them
11	Wall and Ceiling Texture-Rolled On	Good	Category II NF	800	S.F.	Non-Detect (All Layers)	Located on some walls and all ceilings
12	VCT w/ Mastic-12"-Gray	Good	Category I NF	10	S.F.	Non-Detect (All Layers)	Located in closet

**Table 4**  
**Materials By Functional Space**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

HA No.	Homogeneous Area Description	Condition	Friability	Estimated Quantity	Units	Asbestos Content	Comments
<b>FS - 3</b>	<b>Exterior and Shed</b>						
14	Exterior Window Caulking-White	Damaged	Friable	10	S.F.	Non-Detect (All Layers)	1 window 3.5x4, 1 window 2x3, 2 windows 2x2
15	Exterior Window Glazing-White	Good	Friable	10	S.F.	Non-Detect (All Layers)	1 window 3.5x4, 1 window 2x3, 2 windows 2x2
16	Wall Vapor Barrier-Tan	Good	Friable	750	S.F.	Non-Detect (All Layers)	
17	Corrugated Wall Vapor Barrier-Black	Good	Friable	750	S.F.	Non-Detect (All Layers)	
18	Fiber Board	Good	Friable	750	S.F.	Non-Detect (All Layers)	
19	Mortar Associated w/ Foundation	Good	Category II NF	300	S.F.	Non-Detect (All Layers)	
20	Roofing Shingles	Sig. Damaged	Category I NF	1050	S.F.	Non-Detect (All Layers)	Roofing is the same on the house and the shed
21	Mortar Associated w/ Chimney	Good	Category II NF	200	S.F.	Non-Detect (All Layers)	

**Table 4 Notes and Acronyms:**

1. Functional Space (FS) is defined as a one or more spatially distinct units within a building or structure.
2. Homogeneous Area (HA) is defined as an area of surfacing materials, thermal system insulation, or miscellaneous material that is uniform in color and texture.
3. HA listed in bold text were identified to contain asbestos by laboratory analysis or were assumed to contain asbestos based on the scope of work requirements.
4. SF = Square Feet; LF = Linear Feet; CF = Cubic Feet

**Table 5**  
**Summary of Paint Chip Sampling**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

Sample No.	Sample Location	Paint Color	Substrate	Component	Condition	Lead Concentration	Cadmium Concentration	Chromium Concentration	Recommendation
PC-01	Interior	White	Wood	Baseboard	Damaged	7.45%	0.00%	0.15%	Lead in Const. Standard
PC-02	Exterior	White	Wood	Wall	Damaged	0.95%	0.00%	0.00%	Lead in Const. Standard
PC-03	Exterior	red	Wood	Wall	Damaged	2.00%	0.00%	0.00%	Lead in Const. Standard
PC-04	Exterior	Brown	Wood	Wall	Sig. Damaged	5.18%	0.00%	0.00%	Lead in Const. Standard

**Table 5 Notes and Acronyms:**

1. Substrate is defined as the material underneath the paint.
2. Component is defined as a building material type such of doors, windows, walls, and so on that are repeated in more than one room equivalent in a unit and have a common substrate.
3. Abatement is defined as any measure or set of measures designed to permanently eliminate paint hazards.
4. The EPA defines an Operations and Maintenance (O&M) Plan as a formulated plan of training, cleaning, work practices and surveillance to maintain hazardous building materials in good condition.
5. Paint stabilization is defined as the repairing any physical defect in the substrate of a painted surface that is causing paint deterioration, removing loose paint and other material from the surface to be treated, and applying a new protective coating or paint.
6. The Construction Safety and Health Standard Part 603 Lead Exposure in Construction Standard applies to all construction work operations where an employee may be occupationally exposed to lead.

**Table 6**  
**Summary of Universal Waste**  
**419 Booth Street, Grand Ledge, Michigan**  
**Triterra Project No. 25-4311**

Component Description	Size	Comments	Quantity	Disposal Aspect
<b>FS - 1 First Floor</b>				
Refrigerators/Freezers/Chillers			1	CFCs
Appliances/Electronics		20 or more random appliances and electronics	20	PCBs/CFCs
<b>FS - 2 Second Floor</b>				
Paints/Stains			12	Heavy Metals
Refrigerators/Freezers/Chillers			2	CFCs
Appliances/Electronics		Random items everywhere	10	PCBs/CFCs
<b>FS - 3 Exterior and Shed</b>				
The shed is packed full of random contents.				

**Table 5 Notes and Acronyms:**

1. PCB - Polychlorinated Biphenyl
2. CFC - Chlorofluorocarbon
3. SDS - Material Safety Data Sheet
4. SF = Square Feet; LF = Linear Feet; CF = Cubic Feet; EA = Each

***APPENDIX A***

***STAFF CREDENTIALS/CERTIFICATIONS***



# VINCE FOUNTAIN

## INDUSTRIAL HYGIENIST



Mr. Fountain serves as an Industrial Hygienist for the firm. His work focuses hazardous material inspections (asbestos, lead-paint, and mold) at commercial and residential properties throughout Michigan. He is focused on providing timely and practical solutions to clients in order to keep projects on track and under budget, always with the underlying objective of safeguarding public health. Preparing technical reports, compiling analytical data tables, and drafting figures. Mr. Fountain has more than 15 years of experience in the building trades, primarily in commercial and residential construction. He maintains professional certifications as an Asbestos Inspector, a Lead Inspector, and Lead Risk Assessor.

### AREAS OF EXPERTISE

- ▣ Hazardous Materials Assessments, Including Asbestos, Lead, and Mold
- ▣ Lead-Based Paint Inspections/Risk Assessments
- ▣ Asbestos Abatement Oversight
- ▣ Commercial and Industrial Build Demolition Oversight
- ▣ Water Intrusion and Mitigation Services

### NOTABLE PROJECT EXPERIENCE

- ▣ Asbestos and Hazardous Material Inspections – Commercial and Residential
- ▣ Lead-Based Paint Inspections – Commercial and Residential
- ▣ Lead Risk Assessment as per HUD Guidelines
- ▣ Mold Assessment and Indoor Air Quality Sampling – Commercial and Residential

### CERTIFICATIONS

- ▣ Asbestos Building Inspector – Michigan (#A55377)
- ▣ Certified Lead Inspector/Risk Assessor – Michigan (#P-009274)
- ▣ Asbestos Abatement Supervisor/Contractor – Michigan (#A55377)

### EDUCATION

- ▣ Lansing Community College – 2014  
Lansing, Michigan
- ▣ Alvarado High School – 2002  
Alvarado, Texas

CREATING HEALTHIER COMMUNITIES

517.853.2156 | vince.fountain@triterra.us | Lansing, MI





# VINCE FOUNTAIN

## INDUSTRIAL HYGIENIST

# TRIO TERRA

## CERTIFICATIONS

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Inspector**

**Dale Vincent Fountain, Jr.**  
111 West Main Street  
Pottersville, MI 48876

**Accreditation Number**  
A55377

**Expiration Date**  
06/25/2026

DOB: 08/08/1984

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. 179294

Your accreditation card is valid for a period of one year, as indicated by the expiration date on the card. Your card must be present on any project site where you are conducting asbestos-related work. If a replacement card is needed, the replacement fee will be \$25.00. All questions regarding your accreditation should be directed to 517-284-7688.

Please visit our website at: [www.michigan.gov/asbestos](http://www.michigan.gov/asbestos)

55377-168400

**106180**

If found please return to:  
MIOSHA - Asbestos Program  
530 West Allegan Street  
P.O. Box 30671  
Lansing, MI 48933

Information contained in the bar code is limited to ID# and control#.

MIOSHA-CSH-269 (03/18)  
Authority: Michigan Public Act 440 of 1988, as amended

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Contractor/Supervisor**

**Dale Vincent Fountain, Jr.**  
111 West Main Street  
Pottersville, MI 48876

**Accreditation Number**  
A55377

**Expiration Date**  
06/25/2026

DOB: 08/08/1984

This individual has satisfactorily met or exceeded the requirements of Section 208 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered. 179295

Your accreditation card is valid for a period of one year, as indicated by the expiration date on the card. Your card must be present on any project site where you are conducting asbestos-related work. If a replacement card is needed, the replacement fee will be \$25.00. All questions regarding your accreditation should be directed to 517-284-7688.

Please visit our website at: [www.michigan.gov/asbestos](http://www.michigan.gov/asbestos)

55377-168697

**107250**

If found please return to:  
MIOSHA - Asbestos Program  
530 West Allegan Street  
P.O. Box 30671  
Lansing, MI 48933

Information contained in the bar code is limited to ID# and control#.

MIOSHA-CSH-270 (03/18)  
Authority: Michigan Public Act 440 of 1988, as amended

**MDHHS**

**DALE FOUNTAIN JR.**  
LEAD INSPECTOR/RISK ASSESSOR

**P-009274**

**ANNUAL FEE DUE:** 03/31/23

**TRAINING & EXAM DUE:** 03/31/25

LEAD CERTIFICATION AND COMPLIANCE ASSURANCE SECTION

**MDHHS**

This card certifies that the person on the reverse side has successfully met all the requirements established by the Lead Certification and Compliance Assurance Section to perform lead-based paint activities.

For questions regarding this certification or the person represented, please contact the Michigan Department of Health and Human Services at 866-691-LEAD or [LCCAinfo@michigan.gov](mailto:LCCAinfo@michigan.gov)

LEAD CERTIFICATION AND COMPLIANCE ASSURANCE SECTION



# ERIK EIKEY

## INDUSTRIAL HYGIENIST



Mr. Eikey is an Industrial Hygienist for the Industrial Hygiene Division with Triterra. His work focuses on performing various field work projects including on-site air monitoring during abatement activities and conduction of asbestos and hazardous materials surveys. Mr. Eikey has more than 5 years of experience across many disciplines of Industrial Hygiene and has managed a PLM Bulk Asbestos Laboratory, overseen hundreds of on-site asbestos air monitoring projects and analyte exposure sampling in various manufacturing facilities throughout the state of Michigan. Data evaluation and technical report writing for investigation/remediation projects is a substantial part of his role at Triterra.

### AREAS OF EXPERTISE

- ▣ Hazardous Materials Assessments for Pre-Reno/Demo NESHAP Compliance
- ▣ Hazardous Material Abatement Oversight & Exposure Monitoring
- ▣ Pre-Alteration Hazardous Material Assessments for GSA Compliance
- ▣ Asbestos & Lead Abatement Specifications for GSA Compliance
- ▣ Employee Exposure Assessments – Asbestos, Lead, Silica, Cadmium, Chromium, Chemical
- ▣ Indoor Air Quality (IAQ) and Mold Investigations with Pre & Post Remediation Sampling
- ▣ Soil Core Logging, Screening, and Sampling
- ▣ Monitoring Well Installation Oversight and Sampling
- ▣ Soil gas and Groundwater Sample Collection and Data Interpretation

### CERTIFICATIONS

- ▣ Asbestos Contractor/Supervisor – Michigan (#A52285)
- ▣ Asbestos Building Inspector – Michigan (#A52285)
- ▣ Certified Lead Inspector/Risk Assessor
- ▣ National Institute of Occupational Safety & Health (NIOSH) – 582 Equivalency Certification

### NOTABLE PROJECT EXPERIENCE

- ▣ Pre-Renovation/Demolition Hazardous Material Inspections – Commercial, Residential, Healthcare, Industrial, Nuclear, Multi-Family
- ▣ Asbestos, Lead, and Universal Waste Abatement Specifications & Project Designs – Commercial, Residential, Industrial, Multi-Family
- ▣ Lead-Based Paint Inspections & Risk Assessments – Commercial and Residential
- ▣ Employee Exposure Assessments – Mold, Asbestos, Lead, Cadmium, Chromium, Silica, Particulate and many other harmful analytes
- ▣ Negative Exposure Assessments – Asbestos
- ▣ Mold Assessment and Indoor Air Quality Sampling – Commercial and Residential
- ▣ Chemical Exposure Monitoring – Gases, Vapors, Fumes
- ▣ Noise Monitoring & Conservation Plan Implementation – Industrial
- ▣ Methamphetamine and Chlorine wipe sampling

### EDUCATION

- ▣ BS Science – Geology- 2020  
Lyman Briggs College at Michigan State University, East Lansing, Michigan

CREATING HEALTHIER COMMUNITIES

616.349.7347 | erik.eikey@triterra.us | Grand Rapids, MI

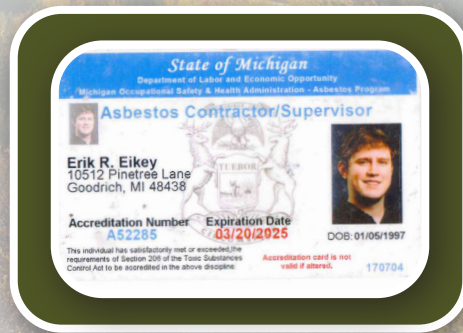
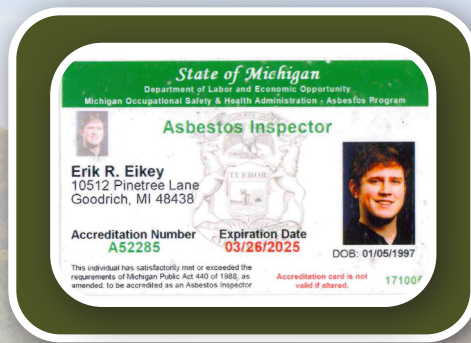
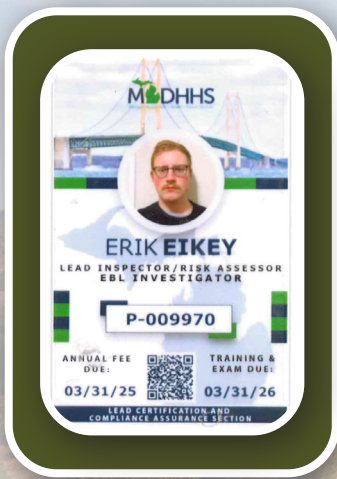




**ERIK EIKEY**  
INDUSTRIAL HYGIENIST

**TRIO**TERRA

CERTIFICATIONS



CREATING HEALTHIER COMMUNITIES



# KYLE A. CLARK

## ASSOCIATE CONSULTANT DIRECTOR | INDUSTRIAL HYGIENE



Kyle Clark currently serves as the Director of the Industrial Hygiene Division with Triterra. His work focuses on overseeing the hazardous material investigations and industrial hygiene-related projects that Triterra performs for its clients. Mr. Clark regularly conducts field inspections/sampling to determine the presence of hazardous materials and maintains a thorough understanding of regulatory requirements in an effort to identify, and ultimately eliminate, the presence of these materials and their risk to human health & safety. Mr. Clark works closely with construction managers, developers, facility owners, and trade workers to identify and mitigate workplace hazards.

### AREAS OF EXPERTISE

- ▣ Hazardous Materials Assessments for Pre-Reno/Demo NESHAP Compliance
- ▣ Asbestos AHERA Management Plans & Re-inspections for K-12 Schools
- ▣ Hazardous Material Abatement Specifications & Project Designs
- ▣ Hazardous Material Abatement Oversight & Exposure Monitoring
- ▣ Pre-Alteration Hazardous Material Assessments for GSA Compliance
- ▣ Asbestos & Lead Abatement Specifications for GSA Compliance
- ▣ Lead-Based Paint Inspections/Risk Assessments for Child-Occupied Facility (COF) & Target Housing
- ▣ Employee Exposure Assessments – Asbestos, Lead, Silica, Cadmium, Chromium, Chemical
- ▣ Indoor Air Quality (IAQ) and Mold Investigations with Pre & Post Remediation Sampling
- ▣ Redevelopment & Demolition Oversight: Owner's Representation and Administration
- ▣ Demolition Oversight Monitoring for Lead, Cadmium, Chromium, and Particulate

### NOTABLE PROJECT EXPERIENCE

- ▣ Pre-Renovation/Demolition Hazardous Material Inspections – Commercial, Residential, Healthcare, Industrial, Nuclear, Multi-Family
- ▣ Asbestos AHERA Management Plans & Re-inspections for K-12 Compliance
- ▣ Asbestos, Lead, and Universal Waste Abatement Specifications & Project Designs – Commercial, Residential, Industrial, Multi-Family
- ▣ Lead-Based Paint Inspections & Risk Assessments – Commercial and Residential
- ▣ Employee Exposure Assessments – Mold, Asbestos, Lead, Cadmium, Chromium, Silica, Particulate
- ▣ Negative Exposure Assessments – Asbestos, Lead, Cadmium, and Chromium
- ▣ Mold Assessment and Indoor Air Quality Sampling – Commercial and Residential
- ▣ Chemical Exposure Monitoring – Gases, Vapors, Fumes
- ▣ Noise Monitoring & Conservation Plan Implementation – Industrial
- ▣ OSHA Hazard Communication Standard Implementation – Commercial & Industrial
- ▣ Respiratory Protection Plan Development & Implementation

### PROFESSIONAL ORGANIZATIONS & AFFILIATIONS

- ▣ American Industrial Hygiene Association – National Chapter – Member
- ▣ American Industrial Hygiene Association – Michigan Chapter – Member
- ▣ American Industrial Hygiene Association – West Michigan Chapter – Member
- ▣ Grand Rapids Young Professionals – Member
- ▣ Big Brothers Big Sisters – Southwest Michigan

### EDUCATION

- ▣ BS Biology – Environmental Health & Safety Focus - 2012  
Central Michigan University, Mount Pleasant, Michigan

### CERTIFICATIONS

- ▣ Asbestos Contractor/Supervisor – Michigan (#A44305)
- ▣ Asbestos Building Inspector – Michigan (#A44305)
- ▣ Asbestos Management Planner – Michigan (#A44305)
- ▣ Asbestos Project Designer – Michigan(#A44305)
- ▣ National Institute of Occupational Safety & Health (NIOSH) – 582 Equivalency Certification
- ▣ Certified Lead Inspector/Risk Assessor – Michigan (#P-06268)

CREATING HEALTHIER COMMUNITIES

616.727.1888 | [kyle.clark@triterra.us](mailto:kyle.clark@triterra.us) | Grand Rapids, MI



**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Project Designer**




**Kyle A. Clark**  
625 Kenmoore Avenue SE  
Suite 204  
Grand Rapids, MI 49506

**Accreditation Number** **Expiration Date**  
**A44305** **12/04/2024**



DOB: 11/15/1988

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered. **167920**

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Inspector**

**Kyle A. Clark**  
625 Kenmoore Avenue SE  
Suite 204  
Grand Rapids, MI 49506

**Accreditation Number** **Expiration Date**  
**A44305** **11/21/2024**

DOB: 11/15/1988

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered. **167919**

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Management Planner**




**Kyle A. Clark**  
625 Kenmoore Avenue SE  
Suite 204  
Grand Rapids, MI 49506

**Accreditation Number** **Expiration Date**  
**A44305** **10/18/2024**


DOB: 11/15/1988

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered. **167921**

**State of Michigan**  
Department of Labor and Economic Opportunity  
Michigan Occupational Safety & Health Administration - Asbestos Program

**Asbestos Contractor/Supervisor**

**Kyle A. Clark**  
625 Kenmoore Avenue SE  
Suite 204  
Grand Rapids, MI 49506

**Accreditation Number** **Expiration Date**  
**A44305** **10/18/2024**

DOB: 11/15/1988

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline.

Accreditation card is not valid if altered. **167922**

***APPENDIX B***

***LABORATORY ANALYTICAL RESULTS AND  
CHAIN OF CUSTODY DOCUMENTATION***

**Southeast Environmental Microbiology Laboratories**

410 W Grand Pkwy S, Suite 250

Katy, TX. 77494

Phone: 832-437-2667

**Asbestos Analytical Report By: Polarized Light Microscopy**

This report has been prepared for **Triterra** the information and data has been checked for thoroughness and accuracy. The results reported apply only to the materials as received. The documents(s) contained herein are confidential and privileged information intended for the exclusive use of the individual or entity named above. This report shall not be reproduced except in full without SEEML's approval.

Client Project Name: City Of Grand Ledge

The Following report was prepared using this test method(s) contained within this document.

- EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
- PLM 400 Point Count (<0.25%) EPA 600/R-93/116
- PLM 1000 Point Count (<0.1%) EPA 600/R-93/116
- PLM Carb 435 Level A Reporting Limit (<0.25%)
- PLM Carb 435 Level B (Reporting limit <0.1%)
- PLM by EPA/600/R-93/116 with Milling Prep 400 Point Count
- PLM Vermiculite Initial Screening EPA 600R-93/116
- PLM Cincinnati Method 600/R-04/004 (Amphibole Only)
- PLM Vermiculite Method SOF-V 198.8 (Step 1 Chrysotile & Prep)
- PLM Vermiculite Method SOF-V 198.8 (Step 2 (Amphibole))

Approved By : *Shannon Ferguson*

Thank you for choosing SEEML Labs. We strive to provide superior quality testing, analytical data and customer service. SEEML is accredited through the National Institute of Standards and Technology (NIST) National Voluntary Accreditation Program (NVLAP) for bulk asbestos analysis NVLAP # 600385-0. This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the US government.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla	Project Address:	419 Booth St	
		City, State, ZIP:	Grand Ledge, MI 48837	
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples		SEEML Ref#:	H-250911049
Client No.:	Description/Location	% Asbestos Type	% Fibrous Non-Asbestos Material Type	% Non-Fibrous Material
Lab No.:				
1.1 H-250911049-317A	(White) Skim Coat/Plaster - Ceiling - Text - Stomp	None Detected	None Detected	100% Binder/Filler
1.1 H-250911049-317B	(Gray) Plaster/Plaster - Ceiling - Text - Stomp	None Detected	None Detected	30% Binder/Filler,70% Carbon/Quartz
1.2 H-250911049-318A	(White) Skim Coat/Plaster - Ceiling - Text - Stomp	None Detected	None Detected	100% Binder/Filler
1.2 H-250911049-318B	(Gray) Plaster/Plaster - Ceiling - Text - Stomp	None Detected	None Detected	30% Binder/Filler,70% Carbon/Quartz
1.3 H-250911049-319A	(White) Skim Coat/Plaster - Ceiling - Text - Stomp	None Detected	None Detected	100% Binder/Filler
1.3 H-250911049-319B	(Gray) Plaster/Plaster - Ceiling - Text - Stomp	None Detected	None Detected	30% Binder/Filler,70% Carbon/Quartz
2.1 H-250911049-320A	(White) Skim Coat/Plaster - Ceiling - Smooth	None Detected	None Detected	100% Binder/Filler
2.1 H-250911049-320B	(Gray) Plaster/Plaster - Ceiling - Smooth	None Detected	None Detected	30% Binder/Filler,70% Carbon/Quartz
2.2 H-250911049-321A	(White) Skim Coat/Plaster - Ceiling - Smooth	None Detected	None Detected	100% Binder/Filler

**Approved By: Shannon Ferguson**

**Disclaimer:**

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

**Guidelines for Interpretation:**

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla		Project Address:	419 Booth St
			City, State, ZIP:	Grand Ledge, MI 48837
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples		SEEML Ref#:	H-250911049
Client No.:	Description/Location	% Asbestos Type	% Fibrous Non-Asbestos Material Type	% Non-Fibrous Material
Lab No.:				
2.2 H-250911049-321B	(Gray) Plaster/Plaster - Ceiling - Smooth	None Detected	None Detected	30% Binder/Filler, 70% Carbon/Quartz
2.3 H-250911049-322A	(White) Skim Coat/Plaster - Ceiling - Smooth	None Detected	None Detected	100% Binder/Filler
2.3 H-250911049-322B	(Gray) Plaster/Plaster - Ceiling - Smooth	None Detected	None Detected	30% Binder/Filler, 70% Carbon/Quartz
3.1 H-250911049-323A	(White) Skim Coat/Plaster - Ceiling - Texture - Trowel	None Detected	None Detected	100% Binder/Filler
3.1 H-250911049-323B	(White) Plaster/Plaster - Ceiling - Texture - Trowel	None Detected	None Detected	100% Binder/Filler
3.2 H-250911049-324A	(White) Skim Coat/Plaster - Ceiling - Texture - Trowel	None Detected	None Detected	100% Binder/Filler
3.2 H-250911049-324B	(White) Plaster/Plaster - Ceiling - Texture - Trowel	None Detected	None Detected	100% Binder/Filler
3.3 H-250911049-325A	(White) Skim Coat/Plaster - Ceiling - Texture - Trowel	None Detected	None Detected	100% Binder/Filler
3.3 H-250911049-325B	(White) Plaster/Plaster - Ceiling - Texture - Trowel	None Detected	None Detected	100% Binder/Filler

**Approved By: Shannon Ferguson**

Disclaimer:

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

Guidelines for Interpretation:

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla	Project Address:	419 Booth St	
		City, State, ZIP:	Grand Ledge, MI 48837	
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples	SEEML Ref#:	H-250911049	
<b>Client No.:</b>	<b>Description/Location</b>	<b>% Asbestos Type</b>	<b>% Fibrous Non-Asbestos Material Type</b>	<b>% Non-Fibrous Material</b>
Lab No.:				
4.1 H-250911049-326A	(White) Skim Coat/Plaster - Wall - Textured	<b>None Detected</b>	None Detected	100% Binder/Filler
4.1 H-250911049-326B	(Gray) Plaster/Plaster - Wall - Textured	<b>None Detected</b>	None Detected	100% Binder/Filler
4.2 H-250911049-327A	(White) Skim Coat/Plaster - Wall - Textured	<b>None Detected</b>	None Detected	100% Binder/Filler
4.2 H-250911049-327B	(Gray) Plaster/Plaster - Wall - Textured	<b>None Detected</b>	None Detected	100% Binder/Filler
5.1 H-250911049-328A	(Brown) Ceiling Tile/Ceiling Tile - 1x1 - Splindeton	<b>None Detected</b>	90% Cellulose	10% Organic Matrix
5.2 H-250911049-329A	(Brown) Ceiling Tile/Ceiling Tile - 1x1 - Splindeton	<b>None Detected</b>	90% Cellulose	10% Organic Matrix
6.1 H-250911049-330A	(Yellow) Adhesive/Carpet Adhesive - Yellow	<b>None Detected</b>	None Detected	100% Organic Matrix
6.1 H-250911049-330B	(Purple) Carpet/Carpet Adhesive - Yellow	<b>None Detected</b>	100% Synthetic	None Detected
6.2 H-250911049-331A	(Yellow) Adhesive/Carpet Adhesive - Yellow	<b>None Detected</b>	None Detected	100% Organic Matrix

**Approved By: Shannon Ferguson**

**Disclaimer:**

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

**Guidelines for Interpretation:**

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla		Project Address:	419 Booth St
			City, State, ZIP:	Grand Ledge, MI 48837
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples		SEEML Ref#:	H-250911049
<b>Client No.:</b>	<b>Description /Location</b>	<b>% Asbestos Type</b>	<b>% Fibrous Non-Asbestos Material Type</b>	<b>% Non-Fibrous Material</b>
Lab No.:				
6.2 H-250911049-331B	(Purple) Carpet/Carpet Adhesive - Yellow	<b>None Detected</b>	100% Synthetic	None Detected
7.1 H-250911049-332A	(Yellow) Vinyl Sheet Flooring/VSF - Yellow - Square Pattern	<b>None Detected</b>	70% Cellulose	30% Organic Matrix
7.2 H-250911049-333A	(Yellow) Vinyl Sheet Flooring/VSF - Yellow - Square Pattern	<b>None Detected</b>	70% Cellulose	30% Organic Matrix
8.1 H-250911049-334A	(White) Drywall/Drywall	<b>None Detected</b>	20% Cellulose	80% Gypsum
8.1 H-250911049-334B	(White) Joint Compound/Drywall	<b>None Detected</b>	None Detected	100% Binder/Filler
8.2 H-250911049-335A	(White) Drywall/Drywall	<b>None Detected</b>	20% Cellulose	80% Gypsum
8.2 H-250911049-335B	(White) Joint Compound/Drywall	<b>None Detected</b>	None Detected	100% Binder/Filler
9.1 H-250911049-336A	(White) Tile 1/VCT - 9" - White	<b>None Detected</b>	None Detected	100% Organic Matrix
9.1 H-250911049-336B	(Brown) Tile 2/VCT - 9" - White	<b>None Detected</b>	None Detected	100% Organic Matrix

**Approved By: Shannon Ferguson**

**Disclaimer:**

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

**Guidelines for Interpretation:**

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla		Project Address:	419 Booth St
			City, State, ZIP:	Grand Ledge, MI 48837
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples		SEEML Ref#:	H-250911049
<b>Client No.:</b>	<b>Description / Location</b>	<b>% Asbestos Type</b>	<b>% Fibrous Non-Asbestos Material Type</b>	<b>% Non-Fibrous Material</b>
Lab No.:				
9.1 H-250911049-336C	(Black) Mastic/VCT - 9" - White	<b>None Detected</b>	None Detected	100% Organic Matrix
9.2 H-250911049-337A	(White) Tile 1/VCT - 9" - White	<b>None Detected</b>	None Detected	100% Organic Matrix
9.2 H-250911049-337B	(Brown) Tile 2/VCT - 9" - White	<b>None Detected</b>	None Detected	100% Organic Matrix
9.2 H-250911049-337C	(Black) Mastic/VCT - 9" - White	<b>None Detected</b>	None Detected	100% Organic Matrix
10.1 H-250911049-338A	(White/Grey) Ceiling Tile/SCT - 2x4 - Gouges	<b>None Detected</b>	30% Min Wool,60% Cellulose	10% Perlite
10.2 H-250911049-339A	(White/Grey) Ceiling Tile/SCT - 2x4 - Gouges	<b>None Detected</b>	30% Min Wool,60% Cellulose	10% Perlite
11.1 H-250911049-340A	(White) Texture/Wall & Ceiling Texture - Rolled on	<b>None Detected</b>	None Detected	100% Binder/Filler
11.2 H-250911049-341A	(White) Texture/Wall & Ceiling Texture - Rolled on	<b>None Detected</b>	None Detected	100% Binder/Filler
11.3 H-250911049-342A	(White) Texture/Wall & Ceiling Texture - Rolled on	<b>None Detected</b>	None Detected	100% Binder/Filler

**Approved By: Shannon Ferguson**

**Disclaimer:**

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

**Guidelines for Interpretation:**

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla	Project Address:	419 Booth St	
		City, State, ZIP:	Grand Ledge, MI 48837	
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples		SEEML Ref#:	H-250911049
<b>Client No.:</b>	<b>Description /Location</b>	<b>% Asbestos Type</b>	<b>% Fibrous Non-Asbestos Material Type</b>	<b>% Non-Fibrous Material</b>
Lab No.:				
<b>12.1</b> H-250911049-343A	(Gray) Vinyl Tile/VCT - 12" - Gray	<b>None Detected</b>	None Detected	100% Organic Matrix
<b>12.1</b> H-250911049-343B	(Clear) Mastic/VCT - 12" - Gray	<b>None Detected</b>	None Detected	100% Organic Matrix
<b>12.2</b> H-250911049-344A	(Gray) Vinyl Tile/VCT - 12" - Gray	<b>None Detected</b>	None Detected	100% Organic Matrix
<b>12.2</b> H-250911049-344B	(Clear) Mastic/VCT - 12" - Gray	<b>None Detected</b>	None Detected	100% Organic Matrix
<b>13.1</b> H-250911049-345A	(White) Texture/Ceiling Covering - Shell Pattern	<b>None Detected</b>	None Detected	100% Binder/Filler
<b>13.2</b> H-250911049-346A	(White) Texture/Ceiling Covering - Shell Pattern	<b>None Detected</b>	None Detected	100% Binder/Filler
<b>14.1</b> H-250911049-347A	(White) Caulk/Ext. Window Caulking - White	<b>None Detected</b>	None Detected	100% Organic Matrix
<b>14.2</b> H-250911049-348A	(White) Caulk/Ext. Window Caulking - White	<b>None Detected</b>	None Detected	100% Organic Matrix
<b>15.1</b> H-250911049-349A	(White) Glazing/Ext. Window Glazing - White	<b>None Detected</b>	None Detected	100% Binder/Filler

**Approved By: Shannon Ferguson**

**Disclaimer:**

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

**Guidelines for Interpretation:**

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla	Project Address:	419 Booth St	
		City, State, ZIP:	Grand Ledge, MI 48837	
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples		SEEML Ref#:	H-250911049
Client No.:	Description/Location	% Asbestos Type	% Fibrous Non-Asbestos Material Type	% Non-Fibrous Material
Lab No.:				
15.2 H-250911049-350A	(White) Glazing/Ext. Window Glazing - White	None Detected	None Detected	100% Binder/Filler
16.1 H-250911049-351A	(Tan) Vapor Barrier/Wall Vapor Barrier Tan	None Detected	70% Cellulose	30% Organic Matrix
16.1 H-250911049-352A	(Tan) Vapor Barrier/Wall Vapor Barrier Tan	None Detected	70% Cellulose	30% Organic Matrix
17.1 H-250911049-353A	(Multicolored) Vapor Barrier/Wall Vapor Barrier - Corrugated - Black	None Detected	90% Cellulose	10% Organic Matrix
17.2 H-250911049-354A	(Multicolored) Vapor Barrier/Wall Vapor Barrier - Corrugated - Black	None Detected	90% Cellulose	10% Organic Matrix
18.1 H-250911049-355A	(Brown) Fiber Board/Fiberboard	None Detected	90% Cellulose	10% Organic Matrix
18.2 H-250911049-356A	(Brown) Fiber Board/Fiberboard	None Detected	90% Cellulose	10% Organic Matrix
19.1 H-250911049-357A	(Gray) Mortar/Mortar Associated w/ Foundation	None Detected	None Detected	30% Binder/Filler, 70% Carbon/Quartz
19.2 H-250911049-358A	(Gray) Mortar/Mortar Associated w/ Foundation	None Detected	None Detected	30% Binder/Filler, 70% Carbon/Quartz

**Approved By: Shannon Ferguson**

**Disclaimer:**

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

**Guidelines for Interpretation:**

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.



**Southeast Environmental Microbiology Laboratories - Asbestos Division**

410 W Grand Pkwy S, Suite 250 , Katy, TX. 77494

Phone: 832-437-2667, www.seeml.com

**PLM Asbestos Bulk Sample Summary**

Triterra 1375 S Washington Ave Ste 100 Lansing, MI, 48910 616-349-7344		Date Sampled:	09/11/2025	
		Date Received:	09/11/2025	
		Date Analyzed:	09/18/2025	
		Date Reported:	09/18/2025	
		Date Revised:		
		Project Name:	City Of Grand Ledge	
		Project No:	25.4311-T1	
Analyzed by:	Joseph Lapuebla	Project Address:	419 Booth St	
		City, State, ZIP:	Grand Ledge, MI 48837	
Methodology:	EPA 600/R-93/116- Method for the Determination of Asbestos in Bulk Building Materials - - 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples		SEEML Ref#:	H-250911049
<b>Client No.:</b>	<b>Description / Location</b>	<b>% Asbestos Type</b>	<b>% Fibrous Non-Asbestos Material Type</b>	<b>% Non-Fibrous Material</b>
Lab No.:				
20.1 H-250911049-359A	(Black/Grey) Shingle/Roofing Shingles	<b>None Detected</b>	20% Fiberglass	20% Carbon/Quartz,60% Organic Matrix
20.1 H-250911049-359B	(Black) Felt/Roofing Shingles	<b>None Detected</b>	50% Cellulose	50% Organic Matrix
20.2 H-250911049-360A	(Black/Grey) Shingle/Roofing Shingles	<b>None Detected</b>	20% Fiberglass	20% Carbon/Quartz,60% Organic Matrix
20.2 H-250911049-360B	(Black) Felt/Roofing Shingles	<b>None Detected</b>	50% Cellulose	50% Organic Matrix
21.1 H-250911049-361A	(Gray) Mortar 1/Mortar Associated w/ Chimney	<b>None Detected</b>	None Detected	30% Binder/Filler,70% Carbon/Quartz
21.1 H-250911049-361B	(Black/Grey) Concrete/Mortar Associated w/ Chimney	<b>None Detected</b>	None Detected	100% Binder/Filler
21.2 H-250911049-362A	(Gray) Mortar/Mortar Associated w/ Chimney	<b>None Detected</b>	None Detected	30% Binder/Filler,70% Carbon/Quartz
21.2 H-250911049-362B	(Black/Grey) Concrete/Mortar Associated w/ Chimney	<b>None Detected</b>	None Detected	100% Binder/Filler

**Approved By: Shannon Ferguson**

**Disclaimer:**

The results in this report only apply to the samples as received.

NOB samples are tested as a preliminary analysis. We highly recommend for Negative NOB samples resulting in less than 1% Asbestos to be verified by TEM or Point Analysis.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. NAD means no asbestos fibers were detected. When detected the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

**Guidelines for Interpretation:**

Any opinions/interpretations expressed in this report are outside the scope of this laboratory's accreditation. Interpretation of the data and information within this document is left to the company, consultant, and/or persons who conducted the fieldwork. A material is considered regulated asbestos containing material (ACM) where the asbestos content is determined to be one percent or greater. Several organizations, including the American Conference of Government Industrial Hygienists (ACGIH); the American Industrial Hygiene Association (AIHA); the Indoor Air Quality Association (IAQA); the United States Environmental Protection Agency (USEPA); the Centers for Disease Control (CDC) as well as the California Department of Health Services (CADHS) have published guidelines for assessment and interpretation of analytical data indicating a tested material is ACM.





### SEEML Asbestos Chain-of-Custody Form

410 W. Grand Pkwy S. #250, Katy, Texas 77494

Ph: (832) 437-2667

WWW.SEEML.COM

NVLAP Lab ID: 600385-0

SEEML Ref#		Lab ID:	
Company:		Date Sample:	
Project Manager:		Project Name:	
Address:		Project Location:	
City, State, Zip:			
Phone:		Project No:	25-4311-T1
Email:			

Sample ID	Description/Location	Analysis Type	Comments
1.1	Plaster-ceiling-Text-Stamp		
1.2			
1.3			
2.1	Plaster-ceil-smooth		
2.2			
2.3			
3.1	Plaster-ceil-Text-Snow		
3.2			
3.3			
4.1	Plaster-wall-Textured		
4.2			
4.3			
5.1	Ceiling tile-1x1-splintation		
5.2			
6.1	Carpet Adh. yellow		
6.2			
7.1	USF - yellow-square pattern		
7.2			
8.1	Drywall		
8.2			
9.1	DET-9" - white		
9.2			
10.1	SC T- 2x4 - Gouges		
10.2			
11.1	Wall & ceiling texture - Rolled on		
11.2			
11.3			
12.1	DET-12" - Gray		
12.2			

Relinquished by:	Time/Date	Received by:	Time/Date
------------------	-----------	--------------	-----------





# Analytical Laboratory Report

Report ID: S78639.01(01)  
Generated on 09/12/2025

Report to

Attention: Kyle Clark  
TriTerra  
1375 S. Washington Avenue, Suite 100  
Lansing, MI 48910

Phone: - FAX:  
Email: kyle.clark@triterra.us

Report produced by

Merit Laboratories, Inc.  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:  
John Lavery (johnlavery@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

Additional Contacts: Brad Buswell, Triterra Lab Email, Vince Fountain

Report Summary

Lab Sample ID(s): S78639.01-S78639.04  
Project: 25-4311-T1 City of Grand Ledge  
Collected Date(s): 09/08/2025  
Submitted Date/Time: 09/09/2025 14:00  
Sampled by: Vince F  
P.O. #:

Table of Contents

- Cover Page (Page 1)
- General Report Notes (Page 2)
- Report Narrative (Page 2)
- Laboratory Accreditations (Page 3)
- Qualifier Descriptions (Page 3)
- Glossary of Abbreviations (Page 3)
- Method Summary (Page 4)
- Sample Summary (Page 5)

Maya Murshak  
Technical Director



# Analytical Laboratory Report

## General Report Notes

---

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

When MDL results are provided, then 'Not detected' indicates that parameter was not found at a level equal to or greater than the MDL.

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile, and 2-chloroethylvinyl ether need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Starred (\*) analytes are not NY NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the

FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Wisconsin PFAs analysis: MDL = LOD; RL = LOQ. LOD and LOQ are adjusted for dilution.

All accreditations/certifications held by this laboratory are listed on page 3. Not all accreditations/certifications are applicable to this report.

For a specific list of accredited analytes, please feel free to contact the laboratory or visit <https://www.meritlabs.com/certifications>.

## Report Narrative

---

There is no additional narrative for this analytical report



# Analytical Laboratory Report

## Laboratory Accreditations (For Reference Only)

Authority	Accreditation ID
Michigan DEQ	#9956
DOD ELAP & ISO/IEC 17025:2017	#69699 PJLA Testing
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Pennsylvania DEP	#68-05884
Wisconsin DNR	FID# 399147320

## Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
o	Associated EIS outside of control limits
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
q	Qualifier ion ratio outside of control limits
x	Preserved from bulk sample

## Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched



# Analytical Laboratory Report

## Method Summary

Method	Version
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW6020A	SW 846 Method 6020A Revision 1 February 2007



# Analytical Laboratory Report

## Sample Summary (4 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S78639.01	PC1-White-Wood-Trim-FS1	Solid	09/08/25 11:00
S78639.02	PC2-White-Wood-Siding-Exterior	Solid	09/08/25 11:00
S78639.03	PC3-Red-Woodsiding-Shed	Solid	09/08/25 11:00
S78639.04	PC4-Brown-Wood Siding-Exterior	Solid	09/08/25 11:00



# Analytical Laboratory Report

Lab Sample ID: S78639.01

Sample Tag: PC1-White-Wood-Trim-FS1

Collected Date/Time: 09/08/2025 11:00

Matrix: Solid

COC Reference: 179911

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	No	RT	N/A

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/12/25 09:10	JRH	

### Metals

Method: SW6020A, Run Date: 09/12/25 12:06, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	7.45	0.10		%	152500	7439-92-1	

Method: SW6020A, Run Date: 09/12/25 11:59, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Cadmium	Not detected	0.10		%	610	7440-43-9	
Chromium	0.15	0.10		%	610	7440-47-3	



# Analytical Laboratory Report

Lab Sample ID: S78639.02

Sample Tag: PC2-White-Wood-Siding-Exterior

Collected Date/Time: 09/08/2025 11:00

Matrix: Solid

COC Reference: 179911

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	No	RT	N/A

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/12/25 09:10	JRH	

### Metals

Method: SW6020A, Run Date: 09/12/25 12:07, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	0.95	0.10		%	29700	7439-92-1	

Method: SW6020A, Run Date: 09/12/25 12:00, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Cadmium	Not detected	0.10		%	595	7440-43-9	
Chromium	Not detected	0.10		%	595	7440-47-3	



# Analytical Laboratory Report

Lab Sample ID: S78639.03

Sample Tag: PC3-Red-Woodsiding-Shed

Collected Date/Time: 09/08/2025 11:00

Matrix: Solid

COC Reference: 179911

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	No	RT	N/A

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/12/25 09:10	JRH	

### Metals

Method: SW6020A, Run Date: 09/12/25 12:09, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	2.00	0.10		%	60200	7439-92-1	

Method: SW6020A, Run Date: 09/12/25 12:02, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Cadmium	Not detected	0.10		%	602	7440-43-9	
Chromium	Not detected	0.10		%	602	7440-47-3	



# Analytical Laboratory Report

Lab Sample ID: S78639.04

Sample Tag: PC4-Brown-Wood Siding-Exterior

Collected Date/Time: 09/08/2025 11:00

Matrix: Solid

COC Reference: 179911

### Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	Plastic Bag	None	No	RT	N/A

### Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Metal Digestion	Completed	SW3050B	09/12/25 09:10	JRH	

### Metals

Method: SW6020A, Run Date: 09/12/25 12:10, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Lead	5.18	0.10		%	156250	7439-92-1	

Method: SW6020A, Run Date: 09/12/25 12:03, Analyst: JRH

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Cadmium	Not detected	0.10		%	625	7440-43-9	
Chromium	Not detected	0.10		%	625	7440-47-3	

# Merit Laboratories Login Checklist

Lab Set ID:S78639

Client:TRITERRA (TriTerra)

Project: 25-4311-T1 City of Grand Ledge

Submitted:09/09/2025 14:00 Login User: MAM

Attention: Kyle Clark

Address: TriTerra

1375 S. Washington Avenue, Suite 100  
Lansing, MI 48910

Phone: -

FAX:

Email: kyle.clark@triterra.us

Selection	Description	Note
-----------	-------------	------

## Sample Receiving

- |     |  |  |
|-----|--|--|
| 01. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Samples are received at 4C +/- 2C Thermometer # RT     |
| 02. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Received on ice/ cooling process begun                 |
| 03. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples shipped  |
| 04. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples left in 24 hr. drop box                        |
| 05. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Are there custody seals/tape or is the drop box locked |

## Chain of Custody

- |     |  |  |
|-----|--|--|
| 06. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC adequately filled out                |
| 07. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | COC signed and relinquished to the lab   |
| 08. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sample tag on bottles match COC          |
| 09. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Subcontracting needed? Subcontracted to: |

## Preservation

- |     |  |   |
|-----|--|---|
| 10. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Do sample have correct chemical preservation        |
| 11. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Completed pH checks on preserved samples? (no VOAs) |
| 12. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Did any samples need to be preserved in the lab?    |

## Bottle Conditions

- |     |  |   |
|-----|--|---|
| 13. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | All bottles intact                                  |
| 14. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Appropriate analytical bottles are used             |
| 15. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Merit bottles used                                  |
| 16. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Sufficient sample volume received                   |
| 17. | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | Samples require laboratory filtration               |
| 18. | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | Samples submitted within holding time               |
| 19. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Do water VOC, TOX, DO or Alkalinity bottles contain |

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: \_\_\_\_\_ Date: \_\_\_\_\_



2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-4034  
 www.meritlabs.com

C.O.C. PAGE # \_\_\_\_\_ OF \_\_\_\_\_

179911

**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME *Kyle Clark - Vince Fountain*  
 COMPANY *Triterna*  
 ADDRESS *1375 S. Washington*  
 CITY *Lansing* STATE *MI* ZIP CODE \_\_\_\_\_  
 PHONE NO. \_\_\_\_\_ CELL NO. *517-256-5708* P.O. NO. \_\_\_\_\_  
 E-MAIL ADDRESS *IH@triterna.us* QUOTE NO. \_\_\_\_\_

CONTACT NAME  SAME  
 COMPANY \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP CODE \_\_\_\_\_  
 PHONE NO. \_\_\_\_\_ E-MAIL ADDRESS \_\_\_\_\_

PROJECT NO./NAME *25-4311-TL City of Grand Lodge* SAMPLER(S) - PLEASE PRINT/SIGN NAME *Vince F. [Signature]*  
 TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER \_\_\_\_\_  
 DELIVERABLES REQUIRED  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER \_\_\_\_\_

MATRIX W=WATER GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR WS=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)										Certifications			
										<input type="checkbox"/> OHIO VAP <input type="checkbox"/> Drinking Water			
										<input type="checkbox"/> DoD <input type="checkbox"/> NPDES			
										Project Locations			
										<input type="checkbox"/> Detroit <input type="checkbox"/> New York			
										<input type="checkbox"/> Other _____			
										Special Instructions			
										Lead	Cadmium	Chromium	<i>0/0</i>
<i>78639.01</i>	<i>9/8</i>	<i>11am</i>	<i>PC1-White-wood-Trim-FS1</i>	<i>S</i>	<i>1</i>					<i>  </i>	<i>  </i>	<i>  </i>	
<i>102</i>	<i> </i>	<i> </i>	<i>PC2-White-wood-siding- Exterior</i>	<i> </i>	<i> </i>					<i>  </i>	<i>  </i>	<i>  </i>	
<i>103</i>	<i> </i>	<i> </i>	<i>PC3-Red-wood-siding-Shed</i>	<i> </i>	<i> </i>					<i>  </i>	<i>  </i>	<i>  </i>	
<i>104</i>	<i> </i>	<i> </i>	<i>PC4-Brown-wood-siding- Exterior</i>	<i> </i>	<i> </i>					<i>  </i>	<i>  </i>	<i>  </i>	

RELINQUISHED BY: *[Signature]* DATE *9/8/25* TIME *4pm*  
 RECEIVED BY: *[Signature]* DATE *9/9/25* TIME \_\_\_\_\_  
 RELINQUISHED BY: *[Signature]* DATE *9/9/25* TIME *1200*  
 RECEIVED BY: *[Signature]* DATE *9/9/25* TIME *1400*

RELINQUISHED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 RECEIVED BY: \_\_\_\_\_ DATE \_\_\_\_\_ TIME \_\_\_\_\_  
 SEAL NO. SEAL INTACT YES  NO  INITIALS \_\_\_\_\_  
 SEAL NO. SEAL INTACT YES  NO  INITIALS \_\_\_\_\_  
 ICE (SOLID)  BLUE ICE *RT*  
 ICE (MELTED)  NONE

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

***APPENDIX C***

***SITE PHOTO LOG***



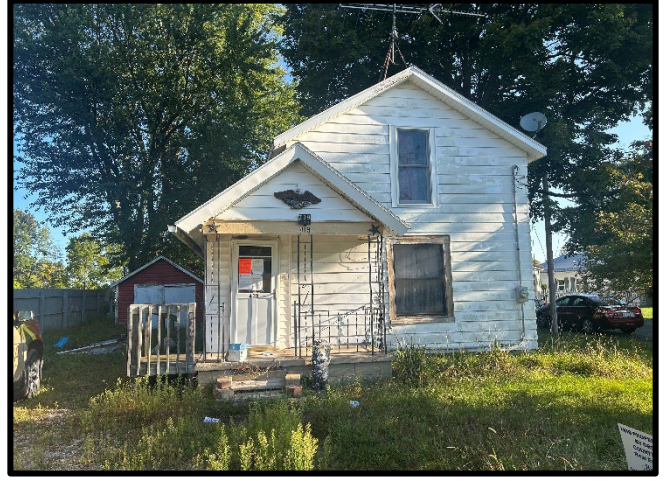
View of the property from the north.



View of the property from the east.



View of the property from the west.



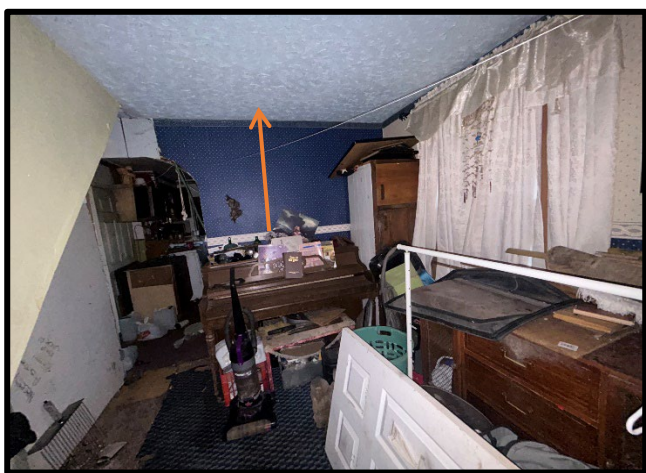
View of the property from the south.



**Photo #: 1 Material #: 1 Non-ACM**  
**Subject:** View of stumped textured plaster ceiling, located in FS-1.



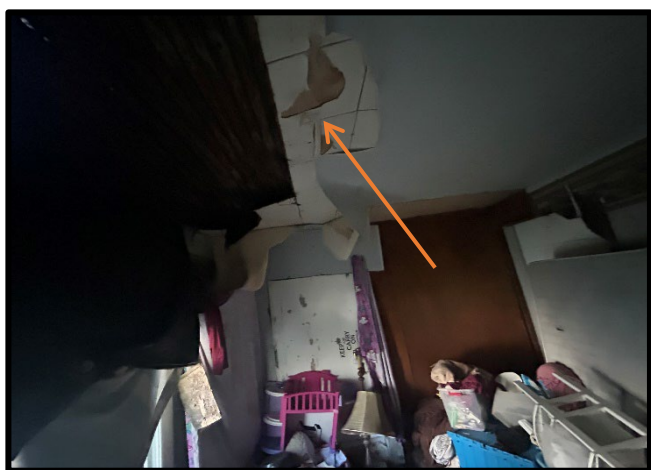
**Photo #:2 Material #: 2 Non-ACM**  
**Subject:** View of smooth plaster ceiling, located in FS-1.



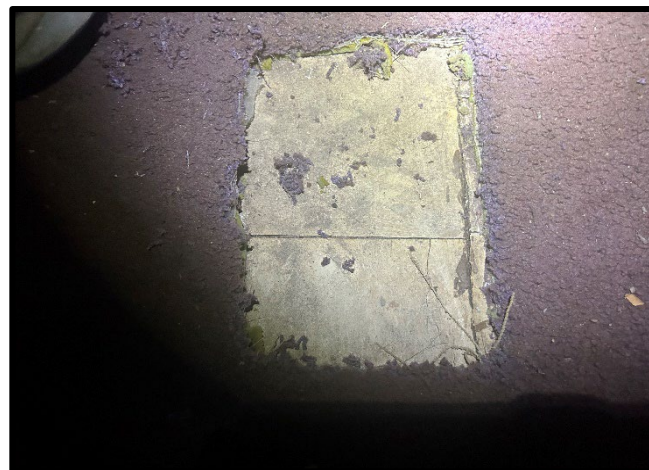
**Photo #:3 Material #:3 Non-ACM**  
**Subject:** View of swirl pattern textured drywall ceiling, located in FS-1.



**Photo #:4 Material #:4 Non-ACM**  
**Subject:** View of textured plaster walls, located in FS-1.



**Photo #:5 Material #:5 Non-ACM**  
**Subject:** View of 1'x1' splined on ceiling tile, located in FS-1.



**Photo #:6 Material #:6 Non-ACM**  
**Subject:** View of yellow carpet adhesive, located in FS-1.



**Photo #: 7 Material #: 7 Non-ACM**  
**Subject:** View of yellow square pattern VSF, located in FS-1.



**Photo #: 8 Material #: 8 Non-ACM**  
**Subject:** View of drywall with joint compound, located in FS-1.



**Photo #: 9 Material #: 9 Non-ACM**  
**Subject:** View of white 9"x9" VCT, located in FS-1.



**Photo #: 10 Material #: 10 Non-ACM**  
**Subject:** View of 2'X4' suspended ceiling tile with gouges, located in FS-1.



**Photo #: 11 Material #: 11 Non-ACM**  
**Subject:** View of rolled on wall and ceiling texture, located in FS-2.



**Photo #: 12 Material #: 12 Non-ACM**  
**Subject:** View of gray 12"x12" VCT, located in FS-2.



Photo #: 13 Material #: 13 Non-ACM  
Subject: View of shell pattern ceiling covering, located in FS-1.



Photo #: 14 Material #: 14 Non-ACM  
Subject: View of white exterior window caulking, located in FS-3.

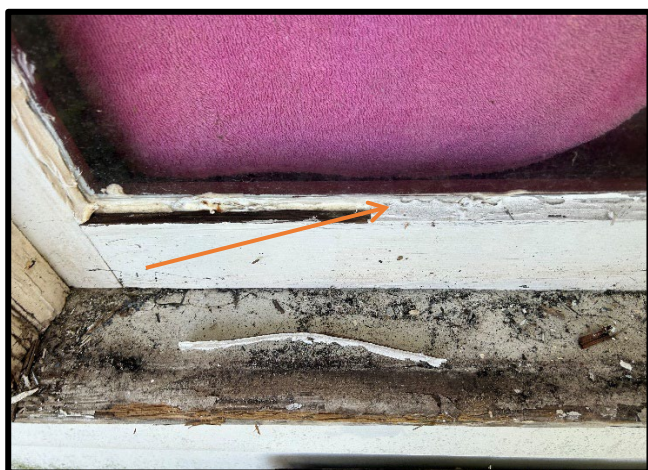


Photo #: 15 Material #: 15 Non-ACM  
Subject: View of white window glazing, located in FS-3.



Photo #: 16 Material #: 16 Non-ACM  
Subject: View of tan exterior wall vapor barrier, located in FS-3.



Photo #: 17 Material #: 17 Non-ACM  
Subject: View of black corrugated exterior wall vapor barrier, located in FS-3.

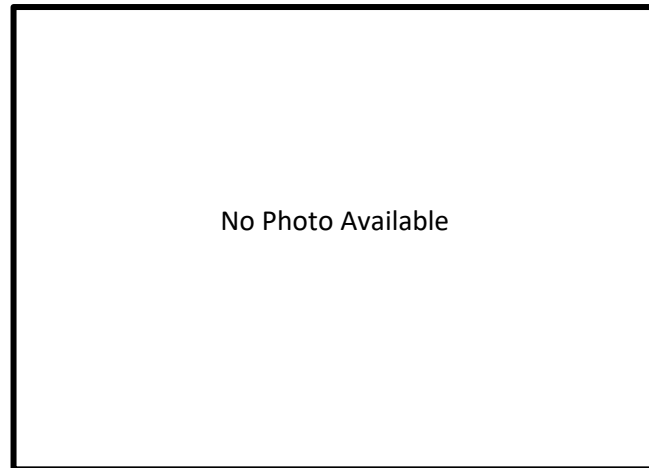


Photo #: 18 Material #: 18 Non-ACM  
Subject: Fiber board sheathing, located in FS-3.



**Photo #: 19 Material #: 19 Non-ACM**

**Subject:** View of mortar associated with the foundation, located in FS-3.



**Photo #: 20 Material #: 20 Non-ACM**

**Subject:** View of roofing shingles, located in FS-3.



**Photo #: 21 Material #: 21 Non-ACM**

**Subject:** View of mortar associated with the chimney, located in FS-3.