



July 2, 2024

Mr. Malachi Mosley
Regional Construction Project Manager
The Kroger Co.
40393 Grand River Avenue
Novi, Michigan 48375

**RE: Asbestos Survey Report
Kroger Store D-416 New Development
15010 - 15110 Silver Parkway and 3271, 3275, 3285, and 3295 Silver Lake Road
Fenton, Michigan
Project No. 342-613.0001**

Dear Mr. Mosley:

Civil & Environmental Consultants, Inc. (CEC) was retained by The Kroger Co. (Kroger) to conduct an asbestos-containing material (ACM) survey at the Kroger Store D-416 New Development in Fenton, Michigan (subject property). The survey was conducted in accordance with CEC Proposal No. 342-613, and authorized via Kroger Purchase Order No. 1252887, dated May 6, 2024. CEC understands that this asbestos survey was requested due to planned redevelopment of the subject property structures.

CEC's subcontractor, Micro Air Inc. (Micro Air), conducted the survey on May 21, 22, and 23, 2024. The survey was conducted in general accordance with The Kroger Co., Asbestos-Containing Materials Scope of Work and Report Requirements (dated January 2022), the USEPA Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP; 40 CFR Part 61, Subpart M) and the sample collection protocols established in EPA regulation 40 CFR 763, the Asbestos Hazard Emergency Response Act (AHERA). The Micro Air report is attached and must be read in its entirety for a comprehensive understanding of the findings of the survey and recommendations.

PROJECT INFORMATION

The subject property consists of the Fenton Village Marketplace. The buildings were constructed in 2001, and encompass approximately 97,275 square-feet under roof. The building was constructed on a concrete slab foundation supporting concrete block and brick exterior walls, with metal roof joists and a corrugated metal roof deck. Interior finishes consists of wallboard and concrete block walls. Ceilings were suspended acoustical ceiling tiles or exposed roof joists. Floors were carpet, vinyl or ceramic tile, or concrete. The roofing system consisted of a ballasted rubber membrane over isocyanate panels and associated sealants.

The subject property consisted of the following stores / tenant spaces:

- 15110 Silver Parkway - Unit 0001 / Vacant
- 15100 Silver Parkway - Unit 0002 / Family Farm & Home
- 15090 Silver Parkway - Unit 0003 / Super Cuts
- 15070 Silver Parkway - Unit 0004 / Vacant
- 15050 Silver Parkway - Unit 0005 / Golden Nails
- 15010 Silver Parkway - Unit 0006 / Leo's Coney Island
- 3271 Silver Lake Road - Unit 0008 / IHT Wealth Management
- 3275 Silver Lake Road - Unit 0009 / License Massage Therapy
- 3285-3295 Silver Lake Road - Units 0010 and 0012 / Re/Max

FIELD ACTIVITIES

CEC's subcontractor, Micro Air Inc. (Micro Air), utilizing a Michigan-licensed asbestos inspector, conducted the survey. The survey was limited to accessible areas and destructive sampling (e.g., breaking into wall voids) was not conducted.

Survey activities began with a visual inspection of interior and exterior areas (including roofs) of the subject property to identify homogeneous areas of suspect asbestos-containing materials (ACM). A homogeneous area (HA) consists of building materials that appear similar throughout in terms of color, texture and consideration of date of installation or application.

Based on the findings of the visual inspection, bulk samples of suspect ACM were collected in general accordance with AHERA sample collection protocols. Bulk samples were collected of the following suspect materials: 12" x 12" vinyl floor tile and mastic (fourteen patterns), 2' x 4' drop acoustical ceiling tile (eleven patterns), vinyl base molding and adhesive (eleven types), stainless steel sink insulation (two types), drywall and joint compound, bare concrete flooring, window

glazing, window/door frame caulk (four types), exterior finishing system, brick mortar and expansion joint, concrete block mortar and expansion joint, roofing felts under rubber membrane roofing, seam sealant on rubber membrane roofing, caulk at roof penetrations, ceramic tile grout, clay floor tile grout, plastic wall panel adhesive, vinyl stair tread adhesive, sheet vinyl flooring and adhesive, carpet mastic (four types), woodgrain linoleum flooring and adhesive (two types), freezer/cooler gasket, and asphalt roof sealant.

Bulk samples were submitted under chain of custody to a laboratory accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for analysis by polarized light microscopy (PLM) with dispersion staining techniques per EPA's Method for the Determination of Asbestos in Bulk Building Materials (600/R-93-116).

PREVIOUS SURVEYS

Kroger did not provide prior asbestos survey reports or an Operation and Maintenance Program for the subject property for review. Further, no as-built plans, construction plans, or material schedules were available for review.

REGULATORY OVERVIEW

The State of Michigan Department of Environmental Quality (MDEQ), Air Division enforces the USEPA Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP, 40 CFR Part 61, Subpart M). The Asbestos NESHAP regulates asbestos fiber emissions, asbestos waste disposal practices, and requires the identification and classification according to friability of existing ACM prior to demolition or renovation activity.

Asbestos abatement notifications for all demolition and renovation activities involving the removal or disturbance of RACM and non-friable ACMs should be submitted to the Michigan Department of Environmental Quality (MDEQ) and LARA at least 10-working days prior to the commencement of project activities. If remodeling/renovation efforts include repair, removal or replacement of "load bearing" structural members, this is considered demolition and a 10-day notification to the local municipal agency may be required.

FINDINGS

Three-hundred seventeen bulk samples of suspect ACMs were collected during the inspection and submitted to an accredited laboratory for analysis by PLM. Asbestos was not identified in the samples collected and analyzed.

RECOMMENDATIONS

Based on the results of this asbestos survey, CEC does not recommend additional inspection or assessment activities for the subject property buildings / tenant suites. However, suspect materials, other than those identified during this asbestos survey may exist within the buildings / tenant suites. Should suspect materials other than those which were identified during this survey be uncovered during demolition/renovation, those materials should be assumed asbestos-containing until sampling and analysis can confirm or deny asbestos content.

GENERAL COMMENTS

This report has been prepared for the exclusive use and reliance of The Kroger Co. and its subsidiaries and affiliates and its authorized representatives (Users), who may solely rely upon the conclusions presented herein. Reliance on this Asbestos Survey by the Users and all authorized parties will be subject to the terms, conditions and limitations stated in the Professional Services and Consulting Agreement (PSCA) signed by Civil & Environmental Consultants, Inc. and the Kroger Co. General Offices (G.O.) on June 20, 2019. The use or reliance by a third party is not permitted without the specific written permission of both the CEC and Kroger. ***This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary.*** CEC does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

Asbestos Hazard Survey
Kroger Store D-416 New Development
Fenton, MI
July 2, 2024

CEC appreciates the opportunity to serve The Kroger Co. on this project. Please call us if we can be of any further assistance.

Sincerely,
Civil & Environmental Consultants, Inc.



Bryan N. Gatlin
Senior Environmental Scientist



Deborah J. Blankenship, RG, PG, CPG
Principal

Attachment

Micro Air Renovation Asbestos Inspection Report, dated June 26, 2024

cc: Cliff Brown, The Kroger Co.
Marty Cristo, The Kroger Co.
Peg Chandler, The Kroger Co.
Stephanie Barlow, The Kroger Co.
Brett Smollen, The Kroger Co.

ATTACHMENT

2024

NESHAP Renovation Asbestos Survey Report

For

**Fenton Village Marketplace
15010-15110 Silver Parkway/3271-3295 Silver Lake Road
Fenton, Michigan 48430**

Prepared For:

Civil & Environmental Consultants, Inc.
3000 Little Hills Expressway, Suite 102
St. Charles, MO 63301
Attn: Ms. Deborah J. Blankenship, P.G., R.G., Principal

Prepared By:



Micro Air, Inc.
6320 La Pas Trail
Indianapolis, Indiana 46268

TABLE OF CONTENTS

- 1) Asbestos Survey Report
- 2) Photographs
- 3) Asbestos Bulk Sample Location Drawing
- 4) Asbestos Bulk Sample Report/Chain of Custody
- 5) Certifications

TAB 1

ASBESTOS SURVEY REPORT



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: <http://www.microair.com>

Indoor Air Quality
Catastrophe Services
Microbiology
Asbestos Surveys
Air Monitoring
Industrial Hygiene
Epidemiology
Radon Testing
Water Testing
Lead Testing

June 26th, 2024

Ms. Deborah J. Blankenship, P.G., Principal
Civil & Environmental Consultants, Inc.
3000 Little Hills Expressway; Suite 102
Saint Charles, MO 63301

**RE: Renovation Asbestos Inspection
Fenton Village Marketplace
15010-15110 Silver Parkway/3271-3295 Silver Lake Road
Fenton, Michigan 48430
Micro Air, Inc. Job #20-19799-D**

Dear Ms. Blankenship:

Micro Air, Inc. was contracted by Civil & Environmental Consultants, Inc. to conduct an asbestos inspection of the existing Fenton Village Marketplace located at 15010-15110 Silver Parkway and 3271-3295 Silver Lake Road in Fenton, Michigan. Mr. Donald G. French of Micro Air, Inc. (State of Michigan asbestos inspector accreditation number A11834, Exp. Date: 02/10/2025) conducted the inspection on May 21st, thru May 23rd, 2024. The survey was conducted in order to accommodate renovations of the existing ten retail spaces at the site.

All survey work was conducted following guidelines established under the EPA National Emission Standard for Asbestos (40 CFR 61 Subpart M) and the EPA "Asbestos Hazard Emergency Response Act (AHERA)" (40 CFR 763 subpart E). Sampling of the roofing systems was conducted during the course of this survey per the request of Civil & Environmental Consultants, Inc.

All bulk samples collected during the inspection were submitted to Micro Air, Inc.'s laboratory located at 6320 La Pas Trail in Indianapolis, Indiana for analysis. All bulk samples were analyzed utilizing the EPA approved Polarized Light Microscopy method (EPA Method/600/R-93/116). Following is a synopsis of the findings of the survey:

**Fenton Village Marketplace
15010-15110 Silver Parkway/3271-3295 Silver Lake Road
Fenton, Michigan 48430**

According to on-line records the entire marketplace was constructed in 2001 and contains approximately 97,275 square feet of floor space. The exterior is constructed of concrete block and brick exterior siding with exterior finishing system upper fascia, aluminum doors and window system, and concrete block walls with structural steel supporting a corrugated metal roof deck. A ballasted, rubber membrane roof has been installed over isocyanate roofing board.

Interior finishes consist of drywall interior walls, drop acoustical tile ceiling, carpet tiles on concrete, vinyl floor tile and clay tile flooring applied over concrete floors. The HVAC ductwork is un-insulated or insulated with non-suspect fiberglass insulation. Domestic water and refrigerant lines throughout the building are insulated with either non-suspect armaflex or fiberglass insulation and zeston fittings. Non-suspect wood or spray urethane foam was identified at the interior cooler/freezer walls in unit 15010 Silver Parkway. The building is heated by rooftop gas units with supplemental electric cooling.

**Vacant Retail Space
15110 Silver Parkway – (Unit 0001)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the vacant retail space located at 15110 Silver Parkway in Fenton, Michigan during the inspection:

1. 12" x 12" vinyl floor tile and mastic (three patterns)
2. 2' x 4' drop acoustical ceiling tile
3. Vinyl base molding and adhesive
4. Stainless steel sink insulation
5. Drywall and associated joint compound
6. Bare concrete flooring
7. Window glazing
8. Window/door frame caulk
9. Exterior finishing system
10. Brick mortar and expansion joint
11. Concrete block mortar and expansion joint
12. Roofing felts under rubber membrane roofing
13. Seam sealant on rubber membrane roofing
14. Caulk at roof penetrations
15. Ceramic tile grout

The results of laboratory analysis indicated no asbestos-containing materials present within the vacant retail space located at 15110 Silver Parkway in Fenton, Michigan.

**Family Farm and Home
15100 Silver Parkway – (Unit 0002)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the Family Farm and Home retail space located at 15100 Silver Parkway in Fenton, Michigan during the inspection:

1. Exterior finishing system
2. Window/door frame caulk
3. Concrete block mortar and expansion joint
4. Clay floor tile grout
5. Ceramic wall tile grout
6. 2' x 4' drop acoustical ceiling tile
7. Drywall and associated joint compound
8. Plastic wall panel adhesive
9. Stainless steel sink insulation
10. Bare concrete flooring
11. Vinyl base molding and adhesive
12. 12" x 12" vinyl floor tile and mastic (four patterns)
13. Vinyl stair tread adhesive
14. Roofing felts under rubber membrane roofing
15. Seam sealant on rubber membrane roofing
16. Caulk at roof penetrations

The results of laboratory analysis indicated no asbestos-containing materials present within the Family Farm and Home retail space located at 15100 Silver Parkway in Fenton, Michigan.

**Super Cuts
15090 Silver Parkway – (Unit 0003)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the Super Cuts retail space located at 15090 Silver Parkway in Fenton, Michigan during the inspection:

1. Exterior finishing system
2. Window/door frame caulk
3. Concrete block mortar and expansion joint
4. Drywall and associated joint compound
5. 2' x 4' drop acoustical ceiling tile
6. Vinyl base molding and adhesive (two colors)
7. Sheet vinyl flooring and adhesive

The results of laboratory analysis indicated no asbestos-containing materials present within the Super Cuts retail space located at 15090 Silver Parkway in Fenton, Michigan.

**Vacant Retail Space
15070 Silver Parkway – (Unit 0004)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the Vacant retail space located at 15070 Silver Parkway in Fenton, Michigan during the inspection:

1. Bare concrete flooring
2. Exterior finishing system
3. Carpet mastic
4. Vinyl base molding and adhesive (two colors)
5. 12" x 12" vinyl floor tile and mastic
6. 2' x 4' drop acoustical ceiling tile
7. Drywall and associated joint compound
8. Concrete block mortar and expansion joint
9. Roofing felts under rubber membrane roof
10. Asphalt sealant at roof penetrations

The results of laboratory analysis indicated no asbestos-containing materials present within the Vacant retail space located at 15070 Silver Parkway in Fenton, Michigan.

**Golden Nails
15050 Silver Parkway – (Unit 0005)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the Golden Nails retail space located at 15050 Silver Parkway in Fenton, Michigan during the inspection:

1. Exterior finishing system
2. Concrete block mortar and expansion joint
3. 2' x 4' drop acoustical ceiling tile
4. Drywall and associated joint compound
5. Woodgrain linoleum flooring and adhesive
6. Vinyl base molding and adhesive

The results of laboratory analysis indicated no asbestos-containing materials present within the Golden Nails retail space located at 15050 Silver Parkway in Fenton, Michigan.

**Leo's Coney Island
15010 Silver Parkway – (Unit 0006)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the Leo's Coney Island retail space located at 15010 Silver Parkway in Fenton, Michigan during the inspection:

1. Exterior finishing system
2. Brick mortar
3. Concrete block mortar
4. Drywall and associated joint compound
5. Ceramic wall tile grout
6. Clay floor tile grout
7. 2' x 4' drop acoustical ceiling tile (three patterns)
8. Vinyl base molding and adhesive
9. Bare concrete flooring
10. Freezer/cooler gasket
11. Roofing felts under rubber membrane roof
12. Seam sealant on rubber membrane roof
13. Asphalt sealant at roof penetrations

The results of laboratory analysis indicated no asbestos-containing materials present within the Leo's Coney Island retail space located at 15010 Silver Parkway in Fenton, Michigan.

**IHT Wealth Management
3271 Silver Lake Road – (Unit 0008)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the IHT Wealth Management retail space located at 3271 Silver Lake Road in Fenton, Michigan during the inspection:

1. Exterior finishing system
2. Brick mortar
3. Concrete block mortar
4. Drywall and associated joint compound
5. Woodgrain linoleum flooring and adhesive
6. Vinyl base molding and adhesive
7. Carpet mastic
8. 2' x 4' drop acoustical ceiling tile

The results of laboratory analysis indicated no asbestos-containing materials present within the IHT Wealth Management retail space located at 3271 Silver Lake Road in Fenton, Michigan.

**License Massage Therapy
3275 Silver Lake Road – (Unit 0009)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the License Massage Therapy retail space located at 3275 Silver Lake Road in Fenton, Michigan during the inspection:

1. Exterior finishing system
2. Brick mortar
3. Concrete block mortar
4. Drywall and associated joint compound
5. Carpet mastic
6. 2' x 4' drop acoustical ceiling tile
7. 12" x 12" Vinyl floor tile and mastic (three patterns)
8. Vinyl base molding and adhesive

The results of laboratory analysis indicated no asbestos-containing materials present within the License Massage Therapy retail space located at 3275 Silver Lake Road in Fenton, Michigan.

**RE/MAX
3285-3295 Silver Lake Road – (Units 0010 and 0012)**

The following potential, asbestos-containing materials were identified and sampled for asbestos content at the RE/MAX retail space located at 3285-3295 Silver Lake Road in Fenton, Michigan during the inspection:

1. Exterior finishing system
2. Brick mortar
3. Concrete block mortar
4. Drywall and associated joint compound
5. Carpet mastic
6. 2' x 4' drop acoustical ceiling tile
7. 12" x 12" Vinyl floor tile and mastic (three patterns)
8. Vinyl base molding and adhesive

The results of laboratory analysis indicated no asbestos-containing materials present within the RE/MAX retail space located at 3285-3295 Silver Lake Road in Fenton, Michigan.

Ms. Deborah Blankenship, P.G, Principal
Civil & Environmental Consultants, Inc.
Renovation Asbestos Inspection– Existing Fenton Village Marketplace
15010-15110 Silver Parkway/3271-3295 Silver Lake Road, Fenton, Michigan 48430
Micro Air, Inc. Job #20-19799-D
June 26th, 2024
Page 7

Enclosed are copies of the laboratory bulk sample reports/chain of custody logs, bulk sample location drawings, photographs of materials sampled and inspector/laboratory certifications.

Thank you for the opportunity to provide our asbestos related services. If you have any questions concerning this report or need additional information, please do not hesitate to contact me.

Respectfully submitted,

A handwritten signature in black ink that reads "Donald G. French". The signature is written in a cursive, flowing style.

Donald G. French
Asbestos Inspector
Micro Air, Inc.

TAB 2

PHOTOGRAPHS



Fenton Village Marketplace
Vacant Retail Space - Unit 0001
15110 Silver Parkway
Fenton, Michigan 48430
Exterior Photo



General Interior Construction

Throughout Marketplace



Non-Suspect Fiberglass Pipe Insulation and Zeston Fittings

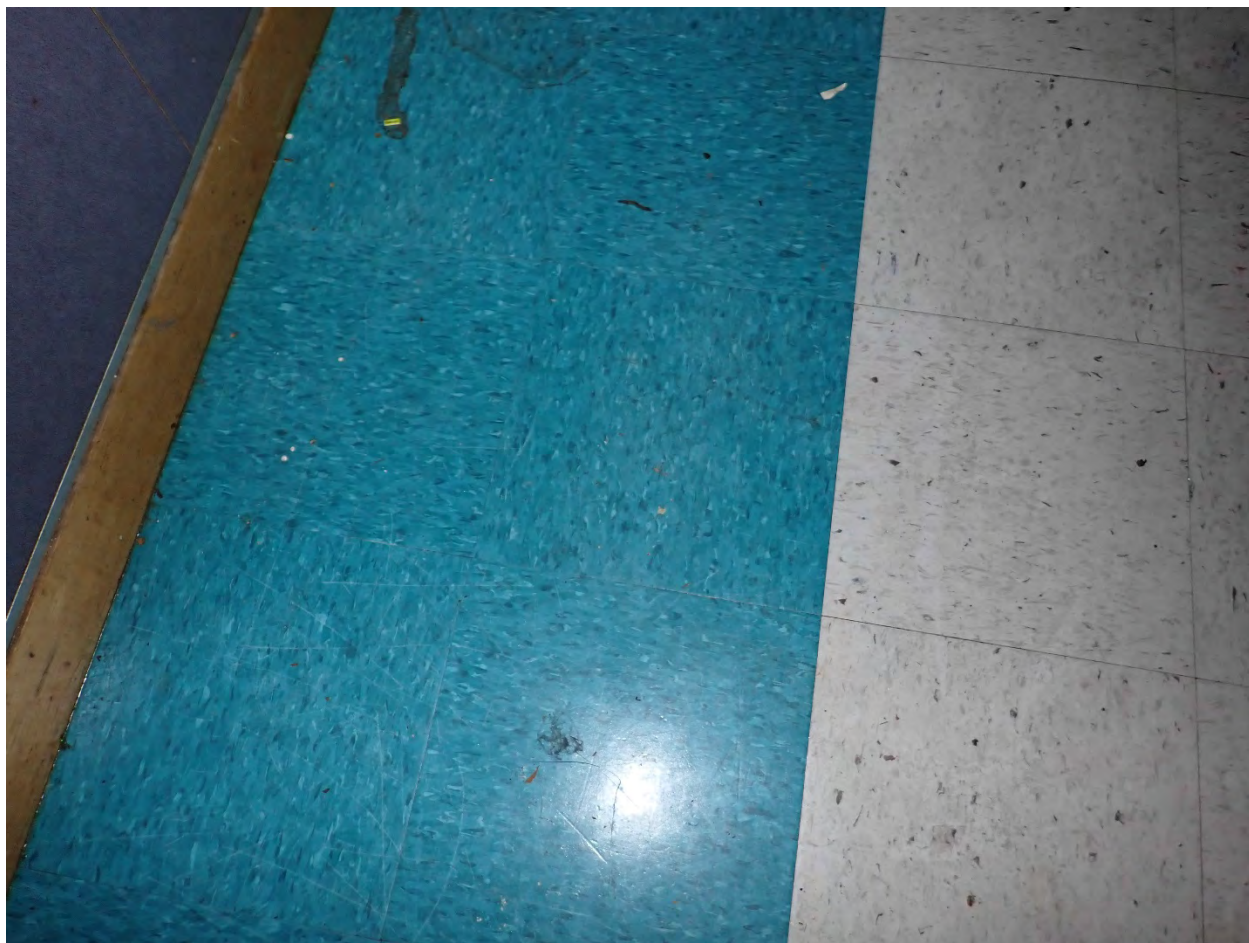


12" x 12" White with Grey Speck Pattern Floor Tile and Mastic

Vinyl Base Molding and Adhesive

Store Floor

No Asbestos Detected



12" x 12" Blue Scale Pattern Floor Tile and Mastic

Southeast Corner Room

No Asbestos Detected



2' x 4' Bird Track Pattern Ceiling Tile

Throughout Vestibule and Small Rooms

No Asbestos Detected



Stainless Steel Sink Insulation

Break Room, Southeast Corner Room

No Asbestos Detected



Drywall and Associated Joint Compound

Interior and Perimeter Walls

No Asbestos Detected



Bare Concrete Flooring

Warehouse

No Asbestos Detected



Window Glazing

Exterior – West Side

No Asbestos Detected



Window/Door Frame Caulk

Exterior – West Side

No Asbestos Detected



EFS

Exterior – Upper East Fascia

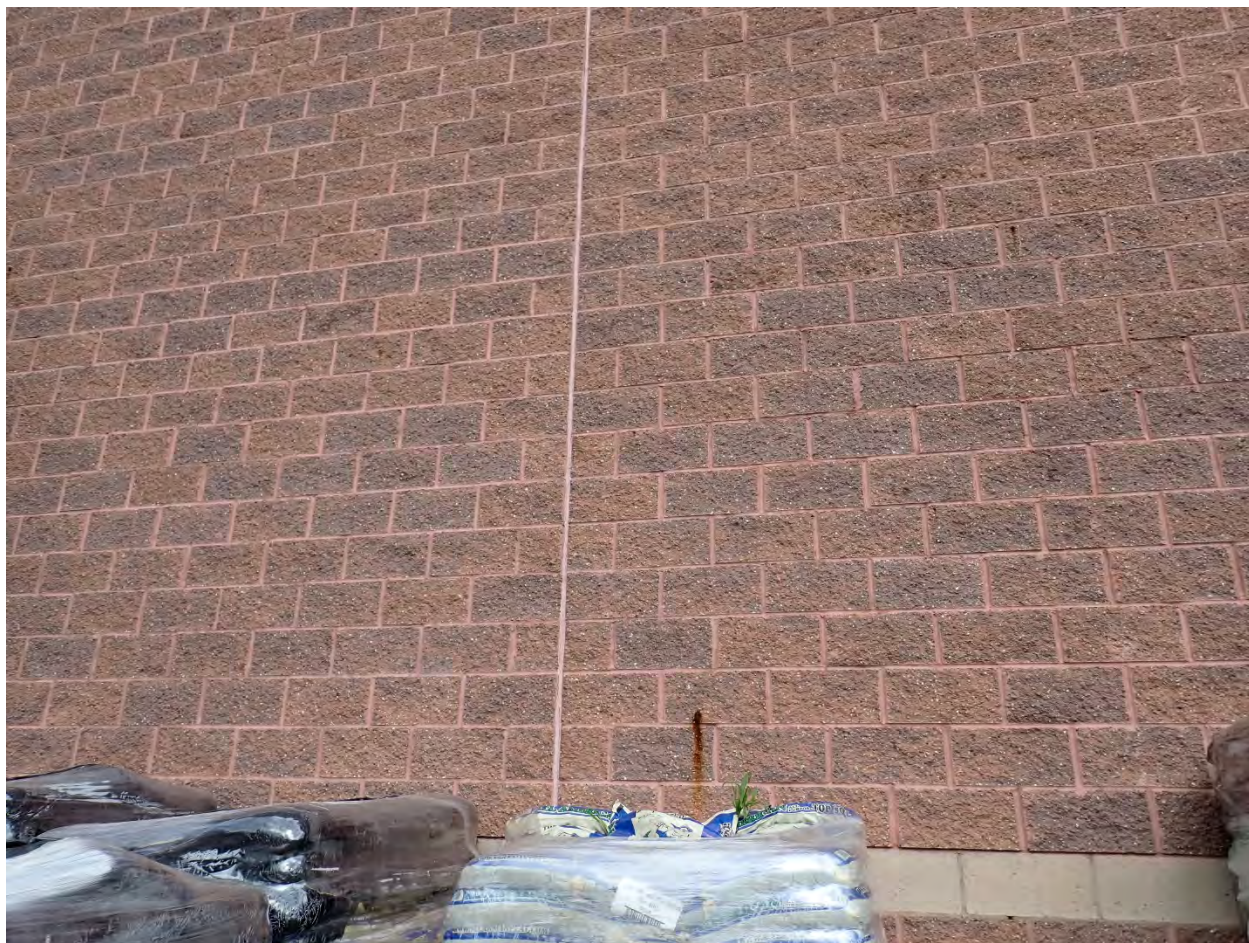
No Asbestos Detected



Brick Mortar and Expansion Joint

Exterior – South Side

No Asbestos Detected



Concrete Block Mortar and Expansion Joint

Exterior – East Side

No Asbestos Detected



Roofing Felts under Ballasted Rubber Membrane Roofing

Roof

No Asbestos Detected



Seam Sealant on Rubber Membrane Roof

Roof

No Asbestos Detected



Sealant on Roof Penetrations

Roof

No Asbestos Detected



Ceramic Tile Grout

Restrooms

No Asbestos Detected



Fenton Village Marketplace
Family Farm and Home Retail Space - Unit 0002
15100 Silver Parkway
Fenton, Michigan 48430
Exterior Photo



Clay Floor Tile Grout

Unit 0002, Foyer and Warehouse

No Asbestos Detected



Plastic Wall Panel Adhesive

Unit 0002 – Warehouse at North End

No Asbestos Detected



Non-Suspect Fiberglass Pipe and Fitting Insulation

Unit 0002 – Store Floor

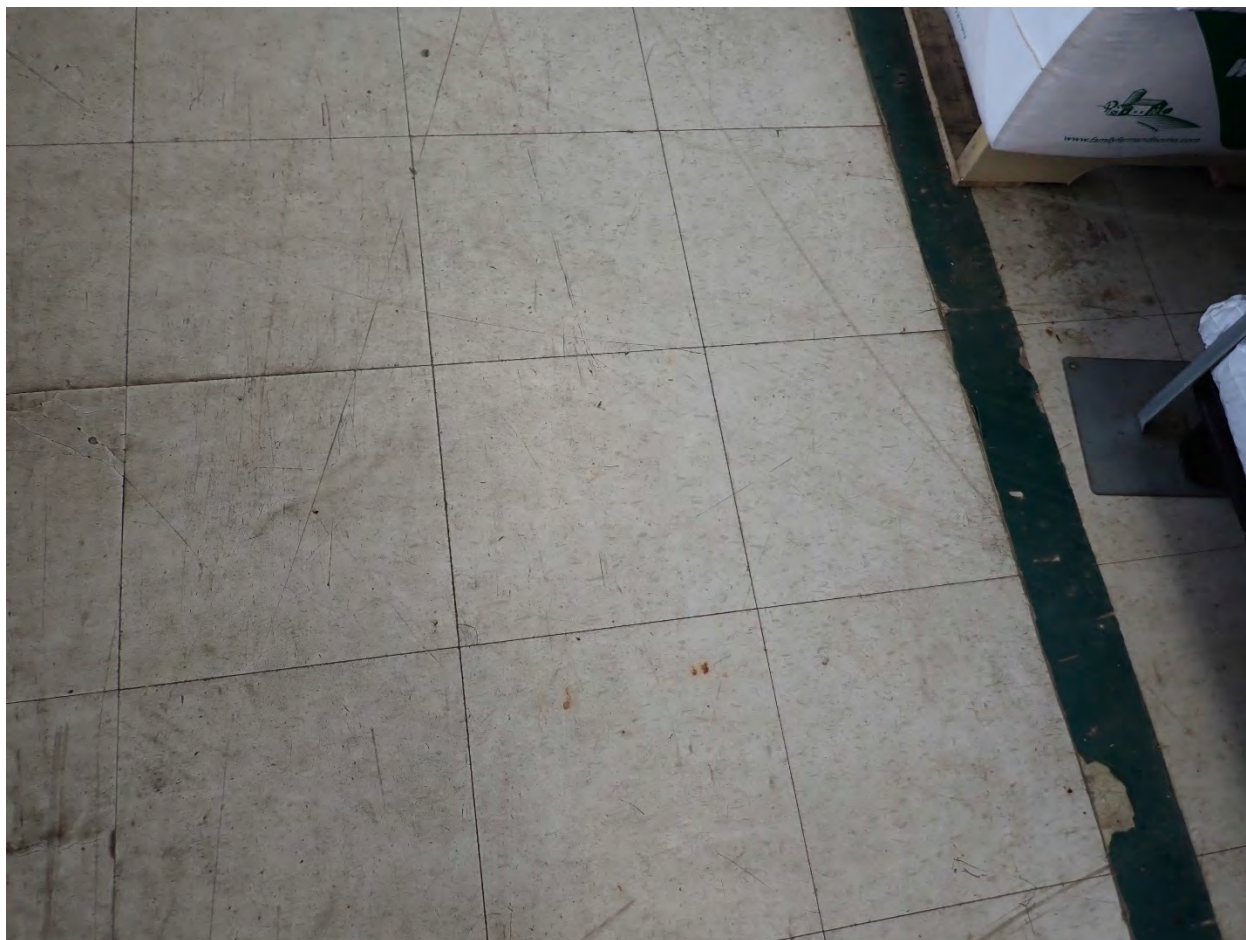


12" x 12" Cream with Grey Speck Pattern Floor Tile and Mastic

Vinyl Base Molding and Adhesive

Unit 0002 – Mezzanine and Store Floor

No Asbestos Detected



12" x 12" Cream Pattern Floor Tile and Mastic

Unit 0002 – Vestibule

No Asbestos Detected



12" x 12" Grey Dot Pattern Floor Tile and Mastic

12" x 12" Black Dot Pattern Floor Tile and Mastic

Unit 0002 – Store Floor

No Asbestos Detected



Vinyl Stair Tread Adhesive

Unit 0002 – Mezzanine Stairwell

No Asbestos Detected



Fenton Village Marketplace
Super Cuts Retail Space - Unit 0003
15090 Silver Parkway
Fenton, Michigan 48430
Exterior Photo



2' x 4' Pinhole Pattern Ceiling Tile

Unit 0003 - Throughout

No Asbestos Detected



Silver Sheet Vinyl Flooring and Adhesive

Unit 0003 – Back Offices

No Asbestos Detected



Fenton Village Marketplace
Vacant Retail Space - Unit 0004
15070 Silver Parkway
Fenton, Michigan 48430
Exterior Photo



Fenton Village Marketplace
Golden Nails Retail Space - Unit 0005
15050 Silver Parkway
Fenton, Michigan 48430
Exterior Photo



Woodgrain Linoleum Flooring

Unit 0005 – Front and Back Work Areas

No Asbestos Detected



Fenton Village Marketplace

Leo's Coney Island Retail Space - Unit 0006

15010 Silver Parkway

Fenton, Michigan 48430

Exterior Photo



Ceramic Wall Tile Grout

Unit 0006 - Food Prep Areas, Restrooms

No Asbestos Detected



2' x 2' Rough Pattern Ceiling Tile

Unit 0006 – Restrooms and Hallway

No Asbestos Detected



2' x 4' Drywall Pattern Ceiling Tile

Unit 0006 – Food Prep Areas

No Asbestos Detected



2' x 4' Bird Track Pattern Ceiling Tile

Unit 0006 – Tunnel Area

No Asbestos Detected



Freezer/Cooler Panel Gasket

Unit 0006 – Food Prep

No Asbestos Detected



Fenton Village Marketplace
Tunnel Area – Between Units 0006 and 0008
Roof Access Ladder
Interior Photo



Fenton Village Marketplace

IHT Wealth Management Retail Space - Unit 0008

3271 Silver Lake Road

Fenton, Michigan 48430

Exterior Photo



Carpet Mastic

Unit 0008 – Offices Throughout

No Asbestos Detected



Fenton Village Marketplace

Licensed Massage Therapy Retail Space - Unit 0009

3275 Silver Lake Road

Fenton, Michigan 48430

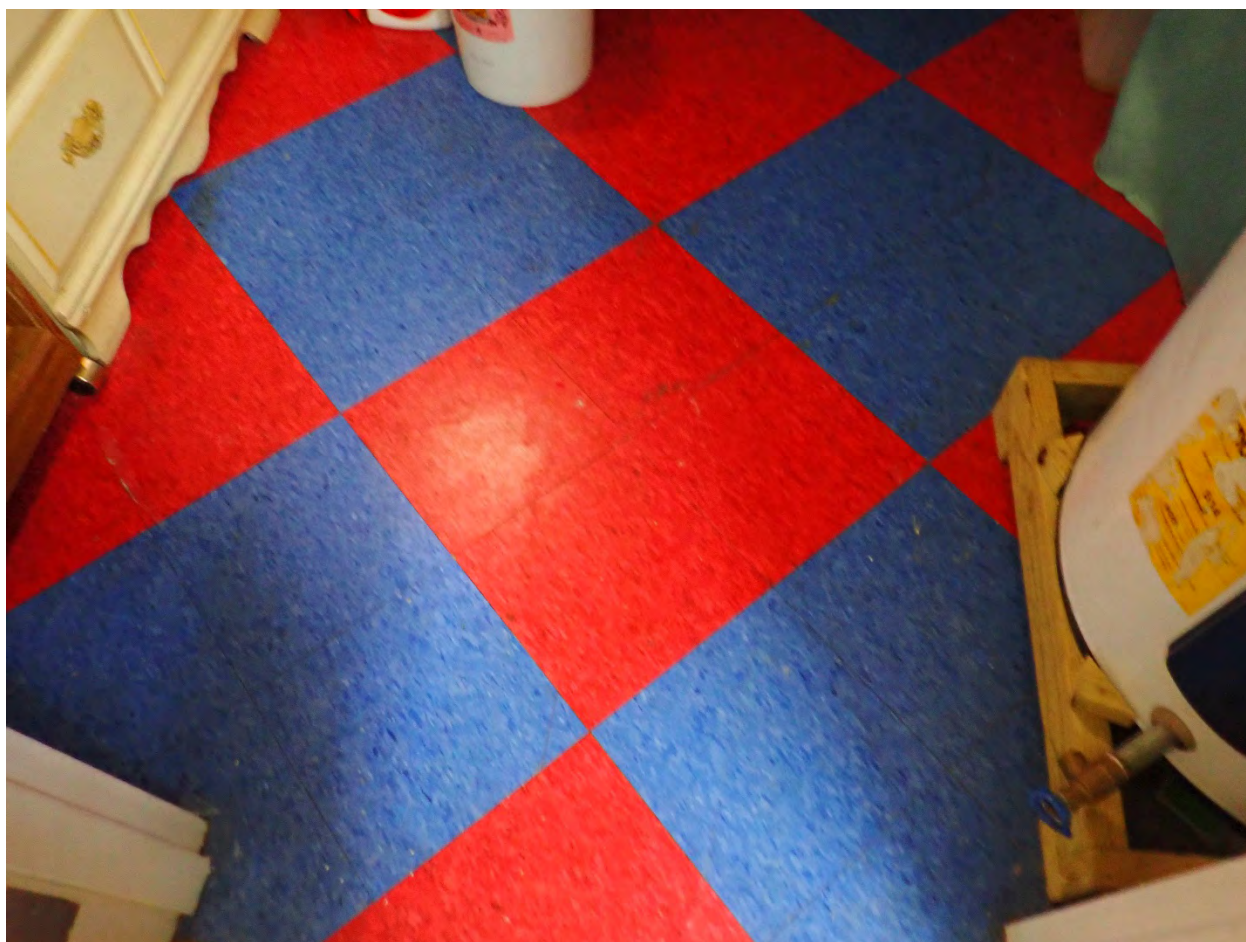
Exterior Photo



12" x 12" Tan Streak Pattern Floor Tile and Mastic

Unit 0009 – Laundry and Restroom

No Asbestos Detected



12" x 12" Red and Blue Scale Pattern Floor Tile and Mastic

Unit 0009 – Utility Room

No Asbestos Detected



Fenton Village Marketplace
RE/MAX Retail Space - Units 0010 and 0012
3285 and 3295 Silver Lake Road
Fenton, Michigan 48430
Exterior Photo



2' x 2' Square Pattern Ceiling Tile

Units 0010 and 0012 – Throughout

No Asbestos Detected

TAB 3

ASBESTOS BULK SAMPLE LOCATION DRAWING



Date:	May 2024
-------	----------

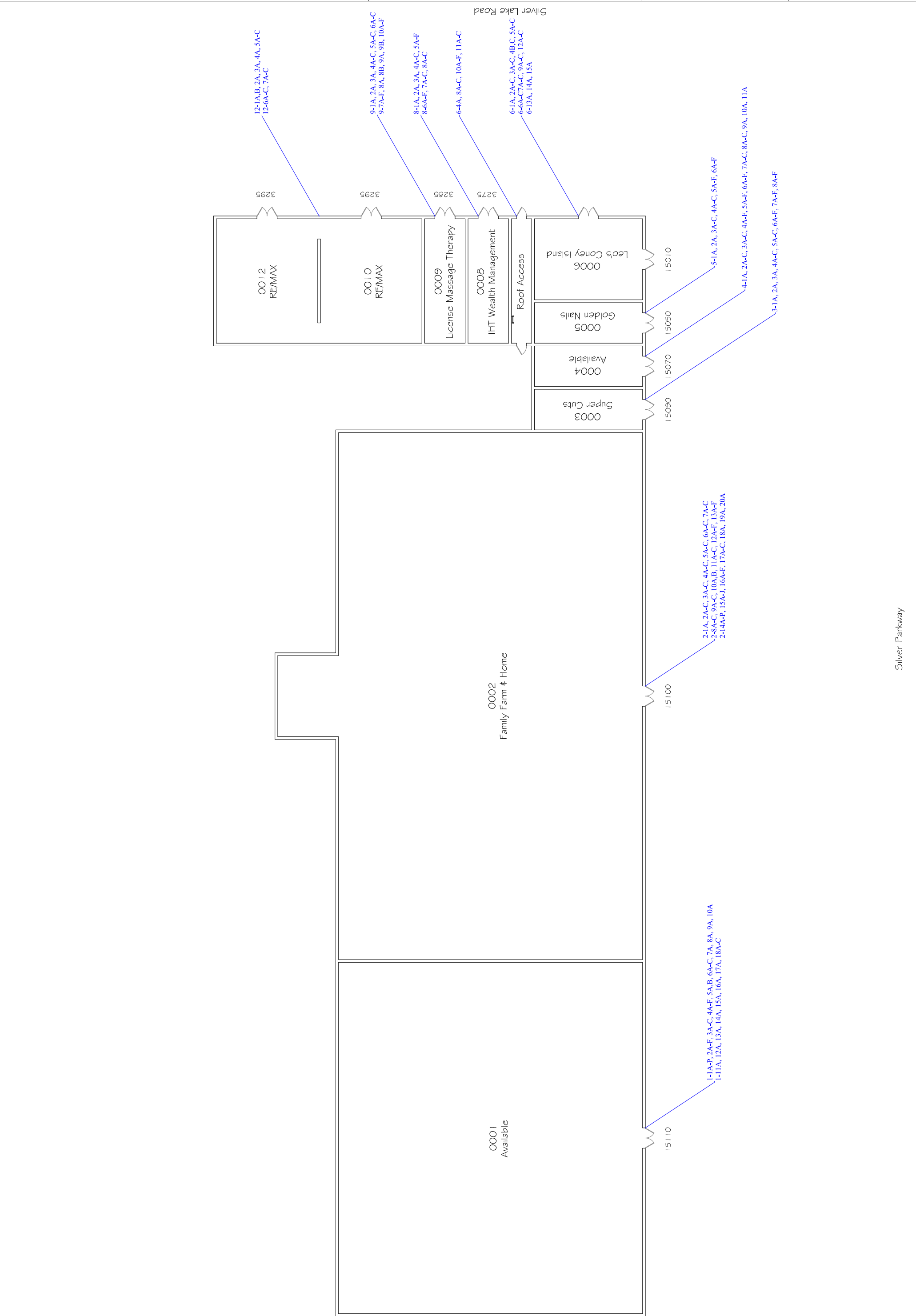
Project Mgr.: A.E.B.	Indianapolis, Indiana 46368	Fenton, Michigan 48430
----------------------	-----------------------------	------------------------

Drawn By: D.G.F.	(17) 293-1533	Asbestos Bulk Sample Location Drawing
------------------	---------------	---------------------------------------

Checked By: A.E.B. (S/N) 203-1539 Drawing #: 20-19799-D SLD

Micro Air, Inc.
6320 La Pas Trail
Indianapolis, Indiana 46268
(317) 293-1533

Fenton Village Marketplace 15010 - 15110 Silver Parkway Fenton, Michigan 48430	Asbestos Bulk Sample Location Drawing Drawing #: 20-19799-D SLD
--	--



TAB 4

ASBESTOS BULK SAMPLE REPORT/CHAIN OF CUSTODY



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 4, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: Fenton Village Marketplace
Project Number: 20-19799-D

Location: 15110 Silver Parkway - Fenton, MI
Date Received: May 29, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:

Darren A. Parsons

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/4/2024
Lab Number: 182431

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	1-1A	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - NW Corner	NO	W	YES	N/A	Binder 100%
002	1-1B	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - Center	NO	W	YES	N/A	Binder 100%
003	1-1C	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - SE Corner	NO	W	YES	N/A	Binder 100%
004	1-1D	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - NE Corner	NO	W	YES	N/A	Binder 100%
005	1-1E	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - SW Corner	NO	W	YES	N/A	Binder 100%
006	1-1F	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - N Side	NO	W	YES	N/A	Binder 100%
007	1-1G	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - S Side	NO	W	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/4/2024
Lab Number: 182431

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	1-1H	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - NW Corner	NO	Y	YES	N/A	Cellulose <1% Binder 100%
009	1-1I	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - Center	NO	Y	YES	N/A	Cellulose <1% Binder 100%
010	1-1J	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - SE Corner	NO	Y	YES	N/A	Cellulose 2% Binder 98%
011	1-1K	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - NE Corner	NO	Y	YES	N/A	Cellulose <1% Binder 100%
012	1-1L	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - SW Corner	NO	O	YES	N/A	Cellulose 2% Binder 98%
013	1-1M	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - N Side	NO	O	YES	N/A	Cellulose <1% Binder 100%
014	1-1N	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - S Side	NO	O	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/4/2024
Lab Number: 182431

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	1-1O	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile; Store Floor - W Side, Center Room	NO	W	YES	N/A	Binder 100%
016	1-1P	5/21/2024	6/3/2024	12"x 12" White with Grey Speck Vinyl Floor Tile Mastic; Store Floor - W Side, Center Room	NO	Y	YES	N/A	Cellulose <1% Binder 100%
017	1-2A	5/21/2024	6/3/2024	12"x 12" Blue Scale Pattern Vinyl Floor Tile; SE Corner Room	NO	GR	YES	N/A	Binder 100%
018	1-2B	5/21/2024	6/3/2024	12"x 12" Blue Scale Pattern Vinyl Floor Tile; SE Corner Room	NO	GR	YES	N/A	Binder 100%
019	1-2C	5/21/2024	6/3/2024	12"x 12" Blue Scale Pattern Vinyl Floor Tile; SE Corner Room	NO	GR	YES	N/A	Binder 100%
020	1-2D	5/21/2024	6/3/2024	12"x 12" Blue Scale Pattern Vinyl Floor Tile Mastic; SE Corner Room	NO	O	YES	N/A	Cellulose <1% Binder 100%
021	1-2E	5/21/2024	6/3/2024	12"x 12" Blue Scale Pattern Vinyl Floor Tile Mastic; SE Corner Room	NO	T	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/4/2024
Lab Number: 182431

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	1-2F	5/21/2024	6/3/2024	12"x 12" Blue Scale Pattern Vinyl Floor Tile Mastic; SE Corner Room	NO	O	YES	N/A	Cellulose <1% Binder 100%
023	1-3A	5/21/2024	6/3/2024	2'x 4' Birdtrack Pattern Ceiling Tile; West Side - Center Room	NO	G-W	NO	N/A	Cellulose 85% Fiberglass 5% Binder 10%
024	1-3B	5/21/2024	6/3/2024	2'x 4' Birdtrack Pattern Ceiling Tile; West Side - South Hall	NO	G-W	NO	N/A	Cellulose 85% Fiberglass 5% Binder 10%
025	1-3C	5/21/2024	6/3/2024	2'x 4' Birdtrack Pattern Ceiling Tile; East Side - South Room	NO	G-W	NO	N/A	Cellulose 85% Fiberglass 5% Binder 10%
026	1-4A	5/21/2024	6/3/2024	Grey Vinyl Base Molding; Sale Floor - NE Corner	NO	G	YES	N/A	Binder 100%
027	1-4B	5/21/2024	6/3/2024	Grey Vinyl Base Molding; Sale Floor - SE Corner	NO	G	YES	N/A	Binder 100%
028	1-4C	5/21/2024	6/3/2024	Grey Vinyl Base Molding; Sale Floor - West Side	NO	G	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 6/4/2024
 Lab Number: 182431

Project Number: 20-19799-D
 Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
029	1-4D	5/21/2024	6/3/2024	Grey Vinyl Base Molding Mastic; Sale Floor - NE Corner	NO	O	YES	N/A	Cellulose <1% Binder 100%
030	1-4E	5/21/2024	6/3/2024	Grey Vinyl Base Molding Mastic; Sale Floor - SE Corner	NO	O	YES	N/A	Cellulose <1% Binder 100%
031	1-4F	5/21/2024	6/3/2024	Grey Vinyl Base Molding Mastic; Sale Floor - West Side	NO	T	YES	N/A	Cellulose <1% Binder 100%
032	1-5A	5/21/2024	6/3/2024	Stainless Steel Sink Insulation; SW Break Room	NO	G	YES	N/A	Cellulose 20% Binder 80%
033	1-5B	5/21/2024	6/3/2024	Stainless Steel Sink Insulation; SE Corner Room Sink	NO	W	YES	N/A	Cellulose 20% Binder 80%
034	1-6A	5/21/2024	6/3/2024	Drywall and Associated Joint Compound; Store Floor - South Side	NO	BR-W	NO	N/A	Cellulose 15% Binder 85%
035	1-6B	5/21/2024	6/3/2024	Drywall and Associated Joint Compound; Store Floor - North Side	NO	BR-W	NO	N/A	Cellulose 10% Binder 90%

Client: Civil & Environmental Consultants
 Report Date: 6/4/2024
 Lab Number: 182431

Project Number: 20-19799-D
 Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
036	1-6C	5/21/2024	6/3/2024	Drywall and Associated Joint Compound; Warehouse Area By Pumps	NO	BR-W	NO	N/A	Cellulose 30% Binder 70%
037	1-7A	5/21/2024	6/3/2024	Bare Concrete; Warehouse	NO	G	YES	N/A	Binder 100%
038	1-8A	5/21/2024	6/3/2024	Window Glazing; Exterior - East Side	NO	B	YES	N/A	Binder 100%
039	1-9A	5/21/2024	6/3/2024	Window/ Door Frame Caulk; Exterior - South Side Door	NO	B	YES	N/A	Binder 100%
040	1-10A	5/21/2024	6/3/2024	EFS; Exterior - Upper East Fascia	NO	G-W	NO	N/A	Cellulose <1% Fiberglass 30% Binder 70%
041	1-11A	5/21/2024	6/3/2024	Brick Mortar; Exterior - South Side	NO	G	YES	N/A	Binder 100%
042	1-12A	5/21/2024	6/3/2024	Brick Expansion Joint; Exterior - South Side	NO	P	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/4/2024
Lab Number: 182431

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
043	1-13A	5/21/2024	6/3/2024	Block Mortar; Exterior - East Side	NO	P	YES	N/A	Binder 100%
044	1-14A	5/21/2024	6/3/2024	Block Expansion Joint; Exterior - East Side	NO	P	YES	N/A	Binder 100%
045	1-15A	5/21/2024	6/3/2024	Roofing Felts Under Rubber Membrane Roof; Roof of 15110	NO	B-T	YES	N/A	Cellulose 70% Binder 30%
046	1-16A	5/21/2024	6/3/2024	Seam Sealant on Rubber Membrane Roof; Roof of 15110	NO	B	YES	N/A	Binder 100%
047	1-17A	5/21/2024	6/3/2024	Sealant on Roof Penetrations; Roof of 15110	NO	B	YES	N/A	Binder 100%
048	1-18A	5/21/2024	6/3/2024	Ceramic Tile Grout; Women's	NO	G	YES	N/A	Binder 100%
049	1-18B	5/21/2024	6/3/2024	Ceramic Tile Grout; Men's	NO	G	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/4/2024
Lab Number: 182431

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15110 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
050	1-18C	5/21/2024	6/3/2024	Ceramic Tile Grout; Men's	NO	G	YES	N/A	Binder 100%

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

182431

TECHNICIAN Don French DATE 5/21/24 JOB # 20-19799-D

LOCATION 15110 Silver Parkway, Fenton, MI PAGE 1 OF 3

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
001001	1-1A Store Floor - NW Corner			12x12 Vinyl Floor Tile
002002	B " " - Center			
003003	C " " - SE Corner			White w Grey Spec
004004	D " " - NE Corner			
005005	E " " - SW Corner			
006006	F " " - N Side			
007007	G " " - S Side			
008008	1-1H			Mastic on Above
009009	I			
010010	J			
011011	K			
012012	L			
013013	M			
014014	N			
017015	1-2A SE Corner Room			12x12 Floor Tile Blue Scale Pattern
018016	B			
019017	C			
020018	D			Mastic on Above
021019	E			
022020	F			
023021	1-3A West Side - Center Room			2x4' Ceiling Tile
024022	B " " - South Hall			
025023	C East side - South Room			Big Track Pattern

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
8:47Am

micro air inc.

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

182431

TECHNICIAN

Don French

DATE

5/21/24

JOB #

20-19799-D

LOCATION

15110 Silver Parkway, Fenton, MI

PAGE

2 OF 3

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
026024	1-BA Sale Floor @ NE Corner			Grey Vinyl
027025	2-B " " @ SE "			Base Molding
028026	1-4 C " " @ West Side			↓
029027	1-4 D			Mastic on Abase
030028	1-4 E			↓
031029	1-4 F			↓
032030	1-9A SW Break Room			Stainless Steel
033031	5-B SE Corner Room Sink			Sink Insulation
034032	1-BA Store Floor @ South side			Drywall & Associated
035033	6-B " " @ North "			Joint Compound
036034	6-C Warehouse area by Pumps			↓
037035	1-7A Warehouse			Base Concrete
015036	1-10A West side Center Room			12x12 Floor Tile
015037	9-P			white w grey sack
038036	1-BA Exterior - East Side			mastic on Abase
039037	1-9A Exterior - South Side Door			Window Glazing
040038	1-10A Exterior - Upper East Fascia			Window/Door Frame
				Caulk
				EFS

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
8:47AM



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

182431

TECHNICIAN Don French DATE 5/21/24 JOB # 20-19799-D

LOCATION 15110 Silver Parkway, Fenton, MI PAGE 3 OF 3

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
041039 1-11A	Exterior - South Side			Brick Mortar
042040 1-12A	Exterior - South Side			Brick Expansion Joint
043041 1-13A	Exterior - East Side			Block Mortar
044042 1-14A	Exterior - East Side			Block Expansion Joint
045043 1-15A	Roof of 15110			Roofing Felts under Rubber Membrane Roof
	Roof of 15110			↓
046044 1-16A	Roof of 15110			Seam Sealant on Rubber Membrane Roof
	Roof of 15110			↓
047045 1-17A	Roof of 15110			Sealant on Roof Penetrations
	Roof of 15110			↓
048046 1-18A	Women's			Ceramic Tile
049047 B	Men's			Grout
050048 C	Men's			↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24

8:47AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 6, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: Fenton Village Marketplace
Project Number: 20-19799-D

Location: 15100 Silver Parkway - Fenton, MI
Date Received: May 31, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:

Darren A. Parsons

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182478

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	2-1A	5/22/2024	6/3/2024	EFS; Exterior - East Side	NO	G-W	YES	N/A	Cellulose <1% Fiberglass 30% Binder 70%
002	2-2A	5/22/2024	6/3/2024	Window/Door Frame Caulk; Exterior - East Side, Window	NO	BR	YES	N/A	Binder 100%
003	2-2B	5/22/2024	6/3/2024	Window/Door Frame Caulk; Exterior - East Side, Window	NO	BR	YES	N/A	Binder 100%
004	2-2C	5/22/2024	6/3/2024	Window/Door Frame Caulk; Exterior - East Side, Door	NO	BR	YES	N/A	Binder 100%
005	2-3A	5/22/2024	6/3/2024	Concrete Block Mortar; Exterior - East Side	NO	R	YES	N/A	Binder 100%
006	2-3B	5/22/2024	6/3/2024	Concrete Block Mortar; Exterior - West Side	NO	R	YES	N/A	Binder 100%
007	2-3C	5/22/2024	6/3/2024	Concrete Block Mortar; Exterior - West Side	NO	R	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182478

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	2-4A	5/22/2024	6/4/2024	Concrete Block Expansion Joint; Exterior - East Side, South End	NO	R	YES	N/A	Binder 100%
009	2-4B	5/22/2024	6/4/2024	Concrete Block Expansion Joint; Exterior - West Side	NO	R	YES	N/A	Binder 100%
010	2-4C	5/22/2024	6/4/2024	Concrete Block Expansion Joint; Exterior - West Side	NO	R	YES	N/A	Binder 100%
011	2-5A	5/22/2024	6/4/2024	Clay Floor Tile Grout; Foyer	NO	G	YES	N/A	Binder 100%
012	2-5B	5/22/2024	6/4/2024	Clay Floor Tile Grout; Warehouse	NO	G	YES	N/A	Binder 100%
013	2-5C	5/22/2024	6/4/2024	Clay Floor Tile Grout; Warehouse	NO	G	YES	N/A	Binder 100%
014	2-6A	5/22/2024	6/4/2024	Ceramic Wall Tile Grout; Warehouse	NO	W	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182478

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	2-6B	5/22/2024	6/4/2024	Ceramic Wall Tile Grout; Store Floor - SW Corner	NO	W	YES	N/A	Binder 100%
016	2-6C	5/22/2024	6/4/2024	Ceramic Wall Tile Grout; Men's Restroom	NO	W	YES	N/A	Binder 100%
017	2-7A	5/22/2024	6/4/2024	2'x 4' Birdtrack Pattern Ceiling Tile; Mezzanine	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
018	2-7B	5/22/2024	6/4/2024	2'x 4' Birdtrack Pattern Ceiling Tile; Restroom	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
019	2-7C	5/22/2024	6/4/2024	2'x 4' Birdtrack Pattern Ceiling Tile; Foyer	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
020	2-8A	5/22/2024	6/4/2024	Drywall and Associated Joint Compound; Mezzanine	NO	W-T	NO	N/A	Cellulose <1% Binder 100%
021	2-8B	5/22/2024	6/4/2024	Drywall and Associated Joint Compound; Warehouse - North End, East Side	NO	W-T	NO	N/A	Cellulose 20% Binder 80%

Client: Civil & Environmental Consultants
 Report Date: 6/6/2024
 Lab Number: 182478

Project Number: 20-19799-D
 Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	2-8C	5/22/2024	6/4/2024	Drywall and Associated Joint Compound; Warehouse - Mezzanine	NO	G	YES	N/A	Binder 100%
023	2-9A	5/22/2024	6/4/2024	Plastic Wall Adhesive; Mezzanine	NO	T	YES	N/A	Cellulose 10% Binder 90%
024	2-9B	5/22/2024	6/4/2024	Plastic Wall Adhesive; Warehouse - North End, East Side	NO	T	YES	N/A	Cellulose 5% Binder 95%
025	2-9C	5/22/2024	6/4/2024	Plastic Wall Adhesive; Warehouse - North End, East Side	NO	T	YES	N/A	Cellulose 5% Binder 95%
026	2-10A	5/22/2024	6/4/2024	Stainless Steel Sink Insulation; Break Room	NO	G	YES	N/A	Cellulose 10% Binder 90%
027	2-10B	5/22/2024	6/4/2024	Stainless Steel Sink Insulation; Mezzanine	NO	G	YES	N/A	Cellulose 10% Binder 90%
028	2-11A	5/22/2024	6/4/2024	Bare Concrete; Warehouse	NO	G	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182478

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
029	2-11B	5/22/2024	6/4/2024	Bare Concrete; Warehouse	NO	G	YES	N/A	Binder 100%
030	2-11C	5/22/2024	6/4/2024	Bare Concrete; Warehouse	NO	G	YES	N/A	Binder 100%
031	2-12A	5/22/2024	6/4/2024	Black Vinyl Base Molding; Mezzanine	NO	B	YES	N/A	Binder 100%
032	2-12B	5/22/2024	6/4/2024	Black Vinyl Base Molding; Store Floor - NE Corner	NO	B	YES	N/A	Binder 100%
033	2-12C	5/22/2024	6/4/2024	Black Vinyl Base Molding; Store Floor - E Side	NO	B	YES	N/A	Binder 100%
034	2-12D	5/22/2024	6/4/2024	Black Vinyl Base Molding Mastic; Mezzanine	NO	T	YES	N/A	Cellulose <1% Binder 100%
035	2-12E	5/22/2024	6/4/2024	Black Vinyl Base Molding Mastic; Store Floor - NE Corner	NO	T	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 6/6/2024
 Lab Number: 182478

Project Number: 20-19799-D
 Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
036	2-12F	5/22/2024	6/4/2024	Black Vinyl Base Molding Mastic; Store Floor - E Side	N/A	N/A	N/A	NOT ANALYZED	QUANTITY NON SUFFICIENT
037	2-13A	5/22/2024	6/4/2024	12"x 12" Cream Floor Tile; Foyer	NO	T	YES	N/A	Cellulose <1% Binder 100%
038	2-13B	5/22/2024	6/4/2024	12"x 12" Cream Floor Tile; Foyer	NO	T	YES	N/A	Binder 100%
039	2-13C	5/22/2024	6/4/2024	12"x 12" Cream Floor Tile; Foyer	NO	T	YES	N/A	Binder 100%
040	2-13D	5/22/2024	6/4/2024	12"x 12" Cream Floor Tile Mastic; Foyer	NO	BR	YES	N/A	Cellulose <1% Binder 100%
041	2-13E	5/22/2024	6/4/2024	12"x 12" Cream Floor Tile Mastic; Foyer	NO	BR	YES	N/A	Cellulose <1% Binder 100%
042	2-13F	5/22/2024	6/4/2024	12"x 12" Cream Floor Tile Mastic; Foyer	NO	BR	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182478

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
043	2-14A	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Mezzanine	NO	W	YES	N/A	Binder 100%
044	2-14B	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Store Floor - E Side	NO	W	YES	N/A	Binder 100%
045	2-14C	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Store Floor - SE Corner	NO	W	YES	N/A	Binder 100%
046	2-14D	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Store Floor - SW Corner	NO	W	YES	N/A	Binder 100%
047	2-14E	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Store Floor - W Side	NO	W	YES	N/A	Binder 100%
048	2-14F	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Warehouse - S Entry	NO	W	YES	N/A	Binder 100%
049	2-14G	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Store Floor - Middle of Store	NO	W	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 6/6/2024
 Lab Number: 182478

Project Number: 20-19799-D
 Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
050	2-14H	5/22/2024	6/4/2024	12" x 12" Cream with Grey Specks Floor Tile; Store Floor - North Middle of Store	NO	W	YES	N/A	Binder 100%
051	2-14I	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Mezzanine	NO	Y	YES	N/A	Cellulose <1% Binder 100%
052	2-14J	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Store Floor - E Side	NO	O	YES	N/A	Cellulose <1% Binder 100%
053	2-14K	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Store Floor - SE Corner	NO	O	YES	N/A	Cellulose <1% Binder 100%
054	2-14L	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Store Floor - SW Corner	NO	Y	YES	N/A	Cellulose <1% Binder 100%
055	2-14M	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Store Floor - W Side	NO	Y	YES	N/A	Cellulose <1% Binder 100%
056	2-14N	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Warehouse - S Entry	NO	O	YES	N/A	Cellulose 2% Binder 98%

Client: Civil & Environmental Consultants
 Report Date: 6/6/2024
 Lab Number: 182478

Project Number: 20-19799-D
 Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
057	2-14O	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Store Floor - Middle of Store	NO	O	YES	N/A	Cellulose <1% Binder 100%
058	2-14P	5/22/2024	6/5/2024	12" x 12" Cream with Grey Specks Floor Tile Mastic; Store Floor - North Middle of Store	NO	O	YES	N/A	Cellulose <1% Binder 100%
059	2-15A	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile; Store Floor - NW Corner	NO	G	YES	N/A	Binder 100%
060	2-15B	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile; Store Floor - N Side	NO	T-G	YES	N/A	Binder 100%
061	2-15C	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile; Store Floor - NE Corner	NO	G	YES	N/A	Binder 100%
062	2-15D	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile; Store Floor - E Side	NO	G	YES	N/A	Binder 100%
063	2-15E	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile; Store Floor - E Side	NO	G	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
 Report Date: 6/6/2024
 Lab Number: 182478

Project Number: 20-19799-D
 Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
064	2-15F	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile Mastic; Store Floor - NW Corner	NO	Y	YES	N/A	Cellulose <1% Binder 100%
065	2-15G	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile Mastic; Store Floor - N Side	NO	T-O	YES	N/A	Cellulose <1% Binder 100%
066	2-15H	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile Mastic; Store Floor - NE Corner	NO	Y	YES	N/A	Cellulose <1% Binder 100%
067	2-15I	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile Mastic; Store Floor - E Side	NO	O	YES	N/A	Cellulose <1% Binder 100%
068	2-15J	5/22/2024	6/5/2024	12"x 12" Grey Dot Pattern Floor Tile Mastic; Store Floor - E Side	NO	Y	YES	N/A	Cellulose <1% Binder 100%
069	2-16A	5/22/2024	6/5/2024	12"x 12" Black Dot Pattern Floor Tile; Mezzanine	NO	B	YES	N/A	Binder 100%
070	2-16B	5/22/2024	6/5/2024	12"x 12" Black Dot Pattern Floor Tile; Store Floor - NW Corner	NO	B	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182478

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
071	2-16C	5/22/2024	6/5/2024	12"x 12" Black Dot Pattern Floor Tile; Store Floor - N Side	NO	B	YES	N/A	Binder 100%
072	2-16D	5/22/2024	6/5/2024	12"x 12" Black Dot Pattern Floor Tile Mastic; Mezzanine	NO	Y	YES	N/A	Cellulose <1% Binder 100%
073	2-16E	5/22/2024	6/5/2024	12"x 12" Black Dot Pattern Floor Tile Mastic; Store Floor - NW Corner	NO	Y	YES	N/A	Cellulose <1% Binder 100%
074	2-16F	5/22/2024	6/5/2024	12"x 12" Black Dot Pattern Floor Tile Mastic; Store Floor - N Side	NO	Y	YES	N/A	Cellulose <1% Binder 100%
075	2-17A	5/22/2024	6/5/2024	Vinyl Stair Tread Adhesive; Mezzanine Stairwell	NO	T	YES	N/A	Cellulose 10% Binder 90%
076	2-17B	5/22/2024	6/5/2024	Vinyl Stair Tread Adhesive; Mezzanine Stairwell	NO	T	YES	N/A	Cellulose 10% Binder 90%
077	2-17C	5/22/2024	6/5/2024	Vinyl Stair Tread Adhesive; Mezzanine Stairwell	NO	T	YES	N/A	Cellulose 10% Binder 90%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182478

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15100 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
078	2-18A	5/22/2024	6/5/2024	Roof Felt; Roof	NO	BR-T	YES	N/A	Cellulose 70% Binder 30%
079	2-19A	5/22/2024	6/5/2024	Seam Sealant on Rubber Membrane; Roof	NO	B	YES	N/A	Binder 100%
080	2-20A	5/22/2024	6/5/2024	Asphalt Sealant at Roof Penetrations; Roof	NO	B	YES	N/A	Binder 100%

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182478

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-1

LOCATION 15100 Silver Parkway, Fenton, MI PAGE 1 OF 5

	SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001	2-1A	Exterior - East Side			EFS
-002	2-2A	Exterior - East Side - Window			Window/Door
-003	B	" - " " - "			Frame Caulk
-004	C	" - " " - Door			↓
-005	2-3A	Exterior - East Side			Concrete Block
-006	B	" - West Side			Mortar
-007	C	" - " "			↓
-008	2-4A	Exterior - East Side @ South end			Concrete Block
-009	B	" - West Side			Expansion Joint
-010	C	" - " "			↓
-011	2-5A	Foyer			Clay Floor Tile
-012	B	Warehouse			Grout
-013	C	"			↓
-014	2-6A	Warehouse			Ceramic Wall Tile
-015	B	Store Floor - SW Corner			Grout
-016	C	Men's Restroom			↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
8:51 AM

**micro air inc.**6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182478

DAILY BULK SAMPLE LOGTECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-DLOCATION 15100 Silver Parkway, Fenton, MI PAGE 2 OF 5

	SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-017	2-7A	Mezzanine			2'x4' Ceiling Tile
-018	B	Restroom			(Pothole bottom)
-019	C	Foyer			Brickwork ↓
-020	2-8A	Mezzanine			Drywall + Associated
-021	B	Warehouse - South E side			Joint Compound
-022	C	" - Mezzanine			↓
-023	2-9A	Mezzanine			Plastic Wall
-024	B	Warehouse - West @ E side			Adhesive
-025	C	" "			↓
-026	2-10A	Break Room			stainless steel
-027	B	Mezzanine			Sink Insulation
-028	2-11A	Warehouse			Bare Concrete
-029	B	↓			↓
-030	C				
-031	2-12A	Mezzanine			Black Vinyl
-032	B	Store Floor - NE corner			Base Mold-on
-033	C	" " - E side			↓
-034	D				Mastic on Above
-035	E				↓
-036	F				

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
8:51 AM



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182478

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-D

LOCATION 15100 Silver Parkway, Fenton, MI PAGE 3 OF 5

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-037	2-13A Foyer			12"x12" Floor Tile
-038	B			cream
-039	C			↓
-040	D			mastic on Above
-041	E			↓
-042	F			↓
-043	2-14A Mezzanine			12"x12" Floor Tile
-044	B Store Floor - E side			cream w Grey Specks
-045	C " " - SE Corner			↓
-046	D " " - SW corner			↓
-047	E " " - W side			↓
-048	F Warehouse & Entry			↓
-049	G Store Floor - middle of Store			↓
-050	H " " - North Middle of Store			↓
-051	2-14 I			Mastic on Above
-052	J			↓
-053	K			↓
-054	L			↓
-055	M			↓
-056	N			↓
-057	O			↓
-058	P			↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

Don G 5/22/24
Don G 5/24/24
8:55 AM



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182478

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-D

LOCATION 15700 Silver Parkway, Fenton, MI PAGE 4 OF 5

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-059 2-15A	Store Floor - NW Corner			12"x12" Floor Tile
-060 B	- N side			Grey Dot Pattern
-061 C	- NE side Corner			
-062 D	- E side			
-063 E	- E side			
-064 F				Mastic on Above
-065 G				
-066 H				
-067 I				
-068 J				
-069 2-16A	Mezzanine			12"x12" Floor Tile
-070 B	Store Floor - SW Corner			Black Dot Pattern
-071 C	" " - N side			
-072 D				mastic on Above
-073 E				
-074 F				
-075 2-17A	Mezzanine Stairwell			Vinyl Stair Tread
-076 B				Adhesive
-077 C				
-078 2-18A	Roof			Roof Felt
-079 2-19A	Roof			Seam Sealant on Rubber Membrane

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
8:51 AM



E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182478

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-D

LOCATION 15100 Silver Parkway, Fenton, MI PAGE 5 OF 5

[illegible]

White – Office

Yellow – Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME _____

DATE _____

NAME

DATE _____

NAME

DATE _____

8:51 AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 6, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: Fenton Village Marketplace
Project Number: 20-19799-D

Location: 15090 Silver Parkway - Fenton, MI
Date Received: May 31, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:

Darren A. Parsons

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182485

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15090 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	3-1A	5/22/2024	6/5/2024	EFS; Exterior - E Side	NO	G-W	YES	N/A	Cellulose <1% Fiberglass 30% Binder 70%
002	3-2A	5/22/2024	6/5/2024	Window/Door Frame Caulk; Exterior - E Side	NO	B	YES	N/A	Binder 100%
003	3-3A	5/22/2024	6/5/2024	Concrete Block Mortar; Interior - W Wall	NO	R	YES	N/A	Binder 100%
004	3-4A	5/22/2024	6/5/2024	Drywall and Associated Joint Compound; N Wall - Front Work Area	NO	W	NO	N/A	Cellulose <1% Binder 100%
005	3-4B	5/22/2024	6/5/2024	Drywall and Associated Joint Compound; N Wall - Back Office Area	NO	W	NO	N/A	Cellulose <1% Binder 100%
006	3-4C	5/22/2024	6/5/2024	Drywall and Associated Joint Compound; S Wall - Back Office Area	NO	W	NO	N/A	Cellulose <1% Binder 100%
007	3-5A	5/22/2024	6/5/2024	2'x 4' Pinhole Ceiling Tile; Front Work Area	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182485

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15090 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	3-5B	5/22/2024	6/5/2024	2'x 4' Pinhole Ceiling Tile; Back Hallway	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
009	3-5C	5/22/2024	6/5/2024	2'x 4' Pinhole Ceiling Tile; Back Office	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
010	3-6A	5/22/2024	6/5/2024	Black Vinyl Base Molding; Front Store Floor	NO	B	YES	N/A	Binder 100%
011	3-6B	5/22/2024	6/5/2024	Black Vinyl Base Molding; Back Offices	NO	B	YES	N/A	Binder 100%
012	3-6C	5/22/2024	6/5/2024	Black Vinyl Base Molding; Back Offices	NO	B	YES	N/A	Binder 100%
013	3-6D	5/22/2024	6/5/2024	Black Vinyl Base Molding Mastic; Front Store Floor	NO	T	YES	N/A	Cellulose 2% Binder 98%
014	3-6E	5/22/2024	6/5/2024	Black Vinyl Base Molding Mastic; Back Offices	NO	T	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182485

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15090 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	3-6F	5/22/2024	6/5/2024	Black Vinyl Base Molding Mastic; Back Offices	NO	T	YES	N/A	Cellulose <1% Binder 100%
016	3-7A	5/22/2024	6/5/2024	Tan Vinyl Base Molding; Back Offices	NO	T	YES	N/A	Binder 100%
017	3-7B	5/22/2024	6/5/2024	Tan Vinyl Base Molding; Back Offices	NO	T	YES	N/A	Binder 100%
018	3-7C	5/22/2024	6/5/2024	Tan Vinyl Base Molding; Back Offices	NO	T	YES	N/A	Binder 100%
019	3-7D	5/22/2024	6/5/2024	Tan Vinyl Base Molding Mastic; Back Offices	NO	T	YES	N/A	Cellulose <1% Binder 100%
020	3-7E	5/22/2024	6/5/2024	Tan Vinyl Base Molding Mastic; Back Offices	NO	T	YES	N/A	Cellulose <1% Binder 100%
021	3-7F	5/22/2024	6/5/2024	Tan Vinyl Base Molding Mastic; Back Offices	NO	T	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/6/2024
Lab Number: 182485

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15090 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	3-8A	5/22/2024	6/5/2024	Silver Sheet Vinyl Flooring; Back Offices	NO	T-G	YES	N/A	Binder 100%
023	3-8B	5/22/2024	6/5/2024	Silver Sheet Vinyl Flooring; Back Offices	NO	T-G	YES	N/A	Binder 100%
024	3-8C	5/22/2024	6/5/2024	Silver Sheet Vinyl Flooring; Back Offices	NO	T-G	YES	N/A	Binder 100%
025	3-8D	5/22/2024	6/5/2024	Silver Sheet Vinyl Flooring Mastic; Back Offices	NO	T	YES	N/A	Cellulose <1% Binder 100%
026	3-8E	5/22/2024	6/5/2024	Silver Sheet Vinyl Flooring Mastic; Back Offices	NO	Y	YES	N/A	Cellulose <1% Binder 100%
027	3-8F	5/22/2024	6/5/2024	Silver Sheet Vinyl Flooring Mastic; Back Offices	NO	Y	YES	N/A	Cellulose <1% Binder 100%

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182485

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-1

LOCATION 15090 Silver Parkway, Fenton, MI PAGE 1 OF 2

	SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001	3-1A	Exterior - E side			EFFS
-002	3-2A	Exterior - E side			Window/Door Frame Caulk
-003	3-3A	Interior - West wall			Concrete Block Mortar
-004	3-4A	North Wall Front work Area			Drywall + Associated Joint Compound
-005	B	" " Back Office Area			
-006	C	South Wall Back Office Area			
					↓
-007	3-5A	Front Work Area			2'x4' Pinhole Ceiling Tile
-008	B	Back Hallway			
-009	C	Back Office			
					↓
-010	3-6A	Front Store floor			Black Vinyl Base Molding
-011	B	Back Offices			
-012	C	" "			
-013	D				Mastic on Above
-014	E				↓
-015	F				↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
9:07 AM

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182485

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-D

LOCATION 15090 Silver Parkway, Fenton, MI PAGE 2 OF 2

[illegible]

White - Office

Yellow – Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME _____

DATE _____

NAME _____

DATE _____

NAME _____

DATE _____

9:07 AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 11, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: Fenton Village Marketplace
Project Number: 20-19799-D

Location: 15070 Silver Parkway - Fenton, MI
Date Received: May 31, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Tony Bolanos, with any questions regarding these results.

Analyzed By:

Darren A. Parsons

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/11/2024
Lab Number: 182491

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15070 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	4-1A	5/21/2024	6/11/2024	EFS; Exterior - East Side Upper Wall	NO	W-G	YES	N/A	Cellulose <1% Fiberglass 30% Binder 70%
002	4-2A	5/21/2024	6/11/2024	Bare Concrete; Interior - West End	NO	G	YES	N/A	Binder 100%
003	4-2B	5/21/2024	6/11/2024	Bare Concrete; Interior - West End	NO	G	YES	N/A	Binder 100%
004	4-2C	5/21/2024	6/11/2024	Bare Concrete; Interior - West End	NO	G	YES	N/A	Binder 100%
005	4-3A	5/21/2024	6/11/2024	Carpet Mastic; Interior - East End	NO	W-T	YES	N/A	Synthetics 90% Binder 10%
006	4-3B	5/21/2024	6/11/2024	Carpet Mastic; Interior - East End	NO	W-T	YES	N/A	Synthetics 90% Binder 10%
007	4-3C	5/21/2024	6/11/2024	Carpet Mastic; Interior - East End	NO	W-T	YES	N/A	Synthetics 90% Binder 10%

Client: Civil & Environmental Consultants
Report Date: 6/11/2024
Lab Number: 182491

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15070 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	4-4A	5/21/2024	6/11/2024	Black Vinyl Base Molding; Sales Floor - South Side	NO	B	YES	N/A	Binder 100%
009	4-4B	5/21/2024	6/11/2024	Black Vinyl Base Molding; Sales Floor - South Side	NO	B	YES	N/A	Binder 100%
010	4-4C	5/21/2024	6/11/2024	Black Vinyl Base Molding; Sales Floor - North Side	NO	B	YES	N/A	Binder 100%
011	4-4D	5/21/2024	6/11/2024	Black Vinyl Base Molding Mastic; Sales Floor - South Side	NO	T-W	YES	N/A	Cellulose 15% Binder 85%
012	4-4E	5/21/2024	6/11/2024	Black Vinyl Base Molding Mastic; Sales Floor - South Side	NO	T-W	YES	N/A	Cellulose 10% Binder 90%
013	4-4F	5/21/2024	6/11/2024	Black Vinyl Base Molding Mastic; Sales Floor - North Side	NO	T-W	YES	N/A	Cellulose 10% Binder 90%
014	4-5A	5/21/2024	6/11/2024	Tan Vinyl Base Molding; SW Restroom	NO	T	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/11/2024
Lab Number: 182491

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15070 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	4-5B	5/21/2024	6/11/2024	Tan Vinyl Base Molding; SW Restroom	NO	T	YES	N/A	Binder 100%
016	4-5C	5/21/2024	6/11/2024	Tan Vinyl Base Molding; SW Restroom	NO	T	YES	N/A	Binder 100%
017	4-5D	5/21/2024	6/11/2024	Tan Vinyl Base Molding Mastic; SW Restroom	NO	T	YES	N/A	Cellulose <1% Binder 100%
018	4-5E	5/21/2024	6/11/2024	Tan Vinyl Base Molding Mastic; SW Restroom	NO	T	YES	N/A	Cellulose <1% Binder 100%
019	4-5F	5/21/2024	6/11/2024	Tan Vinyl Base Molding Mastic; SW Restroom	NO	T	YES	N/A	Cellulose <1% Binder 100%
020	4-6A	5/21/2024	6/11/2024	12"x 12" Cream Scale Pattern Vinyl Floor Tile; SW Restroom	NO	T	YES	N/A	Cellulose <1% Binder 100%
021	4-6B	5/21/2024	6/11/2024	12"x 12" Cream Scale Pattern Vinyl Floor Tile; SW Restroom	NO	T	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/11/2024
Lab Number: 182491

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15070 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	4-6C	5/21/2024	6/11/2024	12"x 12" Cream Scale Pattern Vinyl Floor Tile; SW Restroom	NO	T	YES	N/A	Cellulose <1% Binder 100%
023	4-6D	5/21/2024	6/11/2024	12"x 12" Cream Scale Pattern Vinyl Floor Tile Mastic; SW Restroom	NO	Y	YES	N/A	Cellulose <1% Binder 100%
024	4-6E	5/21/2024	6/11/2024	12"x 12" Cream Scale Pattern Vinyl Floor Tile Mastic; SW Restroom	NO	Y	YES	N/A	Cellulose <1% Binder 100%
025	4-6F	5/21/2024	6/11/2024	12"x 12" Cream Scale Pattern Vinyl Floor Tile Mastic; SW Restroom	NO	Y	YES	N/A	Cellulose <1% Binder 100%
026	4-7A	5/21/2024	6/11/2024	2'x 4' Ceiling Tile; Sales Floor - East End	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
027	4-7B	5/21/2024	6/11/2024	2'x 4' Ceiling Tile; Sales Floor - Center	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
028	4-7C	5/21/2024	6/11/2024	2'x 4' Ceiling Tile; SW Restroom	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%

Client: Civil & Environmental Consultants
Report Date: 6/11/2024
Lab Number: 182491

Project Number: 20-19799-D
Project Name: Fenton Village Marketplace

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15070 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
029	4-8A	5/21/2024	6/11/2024	Drywall and Associated Joint Compound; Sales Floor - South Side	NO	W	YES	N/A	Cellulose <1% Binder 100%
030	4-8B	5/21/2024	6/11/2024	Drywall and Associated Joint Compound; Sales Floor - North Side	NO	W-BR	NO	N/A	Cellulose 20% Binder 80%
031	4-8C	5/21/2024	6/11/2024	Drywall and Associated Joint Compound; SW Restroom	NO	W	NO	N/A	Cellulose 10% Binder 90%
032	4-9A	5/21/2024	6/11/2024	Concrete Block Mortar; Interior - West Wall	NO	R	YES	N/A	Binder 100%
033	4-10A	5/21/2024	6/11/2024	Roofing Felt; Roof	NO	BR-W	YES	N/A	Cellulose 90% Binder 10%
034	4-11A	5/21/2024	6/11/2024	Sealant at Roof Penetrations; Roof	NO	B	YES	N/A	Binder 100%

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.

micro air inc.

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

TECHNICIAN Don France DATE 5/21/24 JOB # 20-19799-D

LOCATION 15070 Silver Parkway, Fenton, MI PAGE 1 OF 2

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001 4-1A	Exterior - East Side Upper Wall			EFS
-002 4-2A	Interior - West End			Bare Concrete
-003 B	↓			↓
-004 C				
-005 4-3A	Interior - East End			Carpet Mastic
-006 B	↓			↓
-007 C				
-008 4-4A	Sales Floor - South Side			Black Vinyl Base Molding
-009 B	" " " "			↓
-010 C	North Side			Mastic on Above
-011 D	↓			↓
-012 E				
-013 F				
-014 4-5A	SW Restroom			Ten Vinyl Base Molding
-015 B	↓			↓
-016 C				Mastic on Above
-017 D				
-018 E				
-019 F	↓			↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
9:16AM

micro air inc.

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

TECHNICIAN Don Fenn DATE 5/21/24 JOB # 20-19799-D

LOCATION 15070 S. Locer Parkway, Fenton, MI PAGE 2 OF 2

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-020 4-6A	SW Restroom			12x12 Vinyl /
-021 B				Floor Tile
-022 C				Cream Sicle Bathroom
-023 D				mastic on Above
-024 E				
-025 F				
-026 4-7A	Sales Floor - East Side			2x4' Ceiling Tile
-027 B	" " - Center			
-028 C	SW Restroom			
-029 4-8A	Sales Floor - South Side			Drywall & Associated
-030 B	" " - North "			Joint Compound
-031 C	SW Restroom			
-032 4-9A	Interior - West Wall			Concrete Block
-033 4-10A	Roof			Mortar
-034 4-11A	Roof			Roofing Felt
				Sediment & Roof
				Penetrations

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

9:16 AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 12, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: 15050 Silver Parkway
Project Number: 20-19799-D

Location: 15050 Silver Parkway - Fenton, MI
Date Received: June 3, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:

Lacey Guynn

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/12/2024
Lab Number: 182499

Project Number: 20-19799-D
Project Name: 15050 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15050 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	5-1A	5/22/2024	6/11/2024	EFS; Exterior - East Side	NO	W-T	NO	N/A	Cellulose <1% Fiberglass 15% Binder 85%
002	5-2A	5/22/2024	6/11/2024	Concrete Block Mortar; Interior - West Wall	NO	W-R	YES	N/A	Cellulose <1% Binder 100%
003	5-3A	5/22/2024	6/11/2024	2'x 4' Ceiling Tile; Front Area	NO	T	YES	N/A	Cellulose 60% Fiberglass 40%
004	5-3B	5/22/2024	6/11/2024	2'x 4' Ceiling Tile; Back Area	NO	T	YES	N/A	Cellulose 60% Fiberglass 40%
005	5-3C	5/22/2024	6/11/2024	2'x 4' Ceiling Tile; Back Area	NO	T	YES	N/A	Cellulose 60% Fiberglass 40%
006	5-4A	5/22/2024	6/11/2024	Drywall and Associated Joint Compound; Back Office Area	NO	T	YES	N/A	Cellulose 5% Binder 95%
007	5-4B	5/22/2024	6/11/2024	Drywall and Associated Joint Compound; Back Office Area	NO	T	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/12/2024
Lab Number: 182499

Project Number: 20-19799-D
Project Name: 15050 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15050 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	5-4C	5/22/2024	6/11/2024	Drywall and Associated Joint Compound; Back Office Area	NO	T	YES	N/A	Cellulose <1% Binder 100%
009	5-5A	5/22/2024	6/11/2024	Woodgrain Linoleum Flooring; Front Work Area	NO	BR	YES	N/A	Cellulose <1% Binder 100%
010	5-5B	5/22/2024	6/11/2024	Woodgrain Linoleum Flooring; Back Office Area	NO	BR	YES	N/A	Cellulose <1% Binder 100%
011	5-5C	5/22/2024	6/11/2024	Woodgrain Linoleum Flooring; Back Office Area	NO	BR	YES	N/A	Cellulose <1% Binder 100%
012	5-5D	5/22/2024	6/11/2024	Woodgrain Linoleum Flooring Mastic; Front Work Area	NO	B	YES	N/A	Binder 100%
013	5-5E	5/22/2024	6/11/2024	Woodgrain Linoleum Flooring Mastic; Back Office Area	NO	B	YES	N/A	Binder 100%
014	5-5F	5/22/2024	6/11/2024	Woodgrain Linoleum Flooring Mastic; Back Office Area	NO	B	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/12/2024
Lab Number: 182499

Project Number: 20-19799-D
Project Name: 15050 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15050 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	5-6A	5/22/2024	6/11/2024	Tan Vinyl Base Molding; Back Office Area	NO	T	YES	N/A	Cellulose 2% Binder 98%
016	5-6B	5/22/2024	6/11/2024	Tan Vinyl Base Molding; Back Office Area	NO	T	YES	N/A	Cellulose <1% Binder 100%
017	5-6C	5/22/2024	6/11/2024	Tan Vinyl Base Molding; Back Office Area	NO	T	YES	N/A	Cellulose <1% Binder 100%
018	5-6D	5/22/2024	6/11/2024	Tan Vinyl Base Molding Mastic; Back Office Area	NO	O	YES	N/A	Cellulose 10% Binder 90%
019	5-6E	5/22/2024	6/11/2024	Tan Vinyl Base Molding Mastic; Back Office Area	NO	Y-O	YES	N/A	Cellulose 2% Binder 98%
020	5-6F	5/22/2024	6/11/2024	Tan Vinyl Base Molding Mastic; Back Office Area	NO	Y-O	YES	N/A	Cellulose 2% Binder 98%

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182499

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-D

LOCATION 15050 Silver Parkway, Fenton, MI PAGE 1 OF 1

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001 5-1A	Exterior - East Side			EFS
-002 5-2A	Interior - West Wall			Concrete Block Mortar
-003 5-3A	Front Area			2'x4' Ceiling Tile
-004 B	Back Area			↓
-005 C	" "			↓
-006 5-4A	Back Office Area			Dry Wall + Associated Joint Compound
-007 B	↓			↓
-008 C	↓			↓
-009 5-5A	Front Work Area			Woodgrain Linoleum Flooring
-010 B	Back Office Area			↓
-011 C	↓			Mastic on Above
-012 D	↓			↓
-013 E	↓			↓
-014 F	↓			↓
-015 5-6A	Back Office Area			Ten Vinyl Base Molding
-016 B	↓			↓
-017 C	↓			Mastic on Above
-018 D	↓			↓
-019 E	↓			↓
-020 F	↓			↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
9:18 AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 17, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: 15010 Silver Parkway
Project Number: 20-19799-D

Location: 15010 Silver Parkway - Fenton, MI
Date Received: June 3, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:

Darren A. Parsons

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182500

Project Number: 20-19799-D
Project Name: 15010 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15010 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	6-1A	5/22/2024	6/12/2024	EFS; Exterior - North Side	NO	G-W	NO	N/A	Cellulose <1% Fiberglass 30% Binder 70%
002	6-2A	5/22/2024	6/12/2024	Brick Mortar; Exterior - North Side Column	NO	G	YES	N/A	Binder 100%
003	6-2B	5/22/2024	6/12/2024	Brick Mortar; Exterior - North Side Column	NO	G	YES	N/A	Binder 100%
004	6-2C	5/22/2024	6/12/2024	Brick Mortar; Exterior - East Side Column	NO	G	YES	N/A	Binder 100%
005	6-3A	5/22/2024	6/12/2024	Concrete Block Mortar; Exterior - North Side Column	NO	R	YES	N/A	Binder 100%
006	6-3B	5/22/2024	6/12/2024	Concrete Block Mortar; Exterior - North Side Column	NO	R	YES	N/A	Binder 100%
007	6-3C	5/22/2024	6/12/2024	Concrete Block Mortar; Exterior - East Side Column	NO	R	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182500

Project Number: 20-19799-D
Project Name: 15010 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15010 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	6-4A	5/22/2024	6/12/2024	Drywall and Associated Joint Compound; Tunnel	NO	BR-W	NO	N/A	Cellulose 10% Binder 90%
009	6-4B	5/22/2024	6/12/2024	Drywall and Associated Joint Compound; Dining Area - South Wall	NO	W	YES	N/A	Cellulose <1% Binder 100%
010	6-4C	5/22/2024	6/12/2024	Drywall and Associated Joint Compound; Restroom Hall	NO	BR-W	NO	N/A	Cellulose 3% Binder 97%
011	6-5A	5/22/2024	6/12/2024	Ceramic Tile Grout; Men's Restroom	NO	G	YES	N/A	Binder 100%
012	6-5B	5/22/2024	6/12/2024	Ceramic Tile Grout; Food Prep Area	NO	W	YES	N/A	Binder 100%
013	6-5C	5/22/2024	6/12/2024	Ceramic Tile Grout; Food Serving	NO	W	YES	N/A	Binder 100%
014	6-6A	5/22/2024	6/12/2024	Clay Floor Tile Grout; Food Prep Area	NO	BR	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182500

Project Number: 20-19799-D
Project Name: 15010 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15010 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	6-6B	5/22/2024	6/12/2024	Clay Floor Tile Grout; Food Prep Area	NO	BR	YES	N/A	Binder 100%
016	6-6C	5/22/2024	6/12/2024	Clay Floor Tile Grout; Food Prep Area	NO	BR	YES	N/A	Binder 100%
017	6-7A	5/22/2024	6/12/2024	2'x 4' Drywall Pattern Ceiling Tile; Food Prep Area	NO	BR-W	NO	N/A	Cellulose 10% Binder 90%
018	6-7B	5/22/2024	6/12/2024	2'x 4' Drywall Pattern Ceiling Tile; Food Prep Area	NO	BR-W	NO	N/A	Cellulose 10% Binder 90%
019	6-7C	5/22/2024	6/12/2024	2'x 4' Drywall Pattern Ceiling Tile; Food Prep Area	NO	BR-W	NO	N/A	Cellulose 15% Binder 85%
020	6-8A	5/22/2024	6/12/2024	2'x 4' Birdtrack Pattern Ceiling Tile; Tunnel	NO	W-G	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
021	6-8B	5/22/2024	6/12/2024	2'x 4' Birdtrack Pattern Ceiling Tile; Tunnel	NO	W-G	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182500

Project Number: 20-19799-D
Project Name: 15010 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15010 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	5-8C	5/22/2024	6/12/2024	2'x 4' Birdtrack Pattern Ceiling Tile; Tunnel	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
023	6-9A	5/22/2024	6/12/2024	2'x 2' Rough Pattern Ceiling Tile; Restroom Hall	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
024	6-9B	5/22/2024	6/12/2024	2'x 2' Rough Pattern Ceiling Tile; Restroom Hall	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
025	6-9C	5/22/2024	6/12/2024	2'x 2' Rough Pattern Ceiling Tile; Men's Restroom	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
026	6-10A	5/22/2024	6/12/2024	Black Vinyl Base Molding; Tunnel Area	NO	B	YES	N/A	Binder 100%
027	6-10B	5/22/2024	6/12/2024	Black Vinyl Base Molding; Tunnel Area	NO	B	YES	N/A	Binder 100%
028	6-10C	5/22/2024	6/12/2024	Black Vinyl Base Molding; Tunnel Area	NO	B	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182500

Project Number: 20-19799-D
Project Name: 15010 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15010 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
029	6-10D	5/22/2024	6/12/2024	Black Vinyl Base Molding Mastic; Tunnel Area	NO	T	YES	N/A	Cellulose <1% Binder 100%
030	6-10E	5/22/2024	6/12/2024	Black Vinyl Base Molding Mastic; Tunnel Area	NO	T	YES	N/A	Cellulose <1% Binder 100%
031	6-10F	5/22/2024	6/12/2024	Black Vinyl Base Molding Mastic; Tunnel Area	NO	T-W	YES	N/A	Cellulose <1% Binder 100%
032	6-11A	5/22/2024	6/12/2024	Bare Concrete; Tunnel Area	NO	G	YES	N/A	Binder 100%
033	6-11B	5/22/2024	6/12/2024	Bare Concrete; Tunnel Area	NO	G	YES	N/A	Binder 100%
034	6-11C	5/22/2024	6/12/2024	Bare Concrete; Tunnel Area	NO	G	YES	N/A	Binder 100%
035	6-12A	5/22/2024	6/12/2024	Freezer Gasket; Freezer	NO	G	YES	N/A	Cellulose 2% Binder 98%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182500

Project Number: 20-19799-D
Project Name: 15010 Silver Parkway

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 15010 Silver Parkway - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
036	6-12B	5/22/2024	6/12/2024	Freezer Gasket; Freezer	NO	G	YES	N/A	Binder 100%
037	6-12C	5/22/2024	6/12/2024	Freezer Gasket; Freezer	NO	G	YES	N/A	Binder 100%
038	6-13A	5/22/2024	6/12/2024	Roof Felt; Roof	N/A	N/A	N/A	NOT ANALYZED	QUANTITY NOT SUFFICIENT
039	6-14A	5/22/2024	6/12/2024	Seam Sealant on Rubber Membrane; Roof	N/A	N/A	N/A	NOT ANALYZED	QUANTITY NOT SUFFICIENT
040	6-15A	5/22/2024	6/12/2024	Asphalt Sealant at Roof Penetrations; Roof	NO	B	YES	N/A	Cellulose <1% Binder 100%

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182500

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-D
LOCATION 15010 Silver Parkway, Fenton, MI PAGE 1 OF 3

	SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001	6-1A	Exterior - North Side			EFS
-002	6-2A	Exterior - North Side Column			Brick Mortar
-003	B	" - " " "			
-004	C	" - East " "			↓
-005	6-3A	Exterior - North Side Column			Concrete Block Mortar
-006	B	" - " " "			
-007	C	" - East " "			↓
-008	6-4A	Tunnel			Drywall + Associated Joint Compound
-009	B	Dining Area - S Wall			
-010	C	Restroom Hall			↓
-011	6-5A	Men's Restroom			Ceramic Tile Grout
-012	B	Food Prep			
-013	C	Food Serving			↓
-014	6-6A	Food Prep Area			Clay Floor Tile Grout
-015	B	↓			
-016	C				↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

Don French 5/22/24

[Signature] 5/24/24
9:19 AM



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182500

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/22/24 JOB # 20-19799-D
LOCATION 15010 Silver Parkway, Fenton, MI PAGE 2 OF 3

	SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-017	6-7A	Food Prep Area			2'x4' Ce.'ing Tile
-018	B	↓			(Drywall Pattern)
-019	C				↓
-020	6-8A	Food Prep Tunnel			2'x4' Ce.'ing Tile
-021	B	↓			(Birdtrack Pattern)
-022	C				↓
-023	6-9A	Restroom Hall			2'x2' Ceiling Tile
-024	B	" "			(Rough Pattern)
-025	C	Men's Restroom			↓
-026	6-10A	Tunnel Area			Black Vinyl
-027	B	↓			Base Molding
-028	C				↓
-029	D				Mastic on Above
-030	E				↓
-031	F				↓
-032	6-11A	Tunnel Area			Bare Concrete
-033	B	↓			↓
-034	C				

White – Office

Yellow – Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
9:19 AM



micro air inc.

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

TECHNICIAN Donald G French DATE 5/22/24 JOB # 20-19799-D
LOCATION 15010 Silver Parkway, Fenton, MI PAGE 3 OF 3

Yellow – Laboratory

DATE /

BY: S/24/24
DATE: 9:19 AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 17, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: 3271 Silver Lake Rd.
Project Number: 20-19799-D

Location: 3271 Silver Lake Rd. - Fenton MI
Date Received: June 3, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:

Lacey Guynn

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182539

Project Number: 20-19799-D
Project Name: 3271 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3271 Silver Lake Rd. - Fenton MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	8-1A	5/23/2024	6/13/2024	EFS; Exterior - North Side	NO	W-T	NO	N/A	Cellulose <1% Fiberglass 10% Binder 90%
002	8-2A	5/23/2024	6/13/2024	Brick Mortar; Exterior - North Side	NO	G	YES	N/A	Cellulose <1% Binder 100%
003	8-3A	5/23/2024	6/13/2024	Cancrete Block Mortar; Interior - South Wall	NO	R	YES	N/A	Cellulose <1% Binder 100%
004	8-4A	5/23/2024	6/13/2024	Drywall and Associated Joint Compound; Break Area	NO	G	YES	N/A	Cellulose 5% Binder 95%
005	8-4B	5/23/2024	6/13/2024	Drywall and Associated Joint Compound; Hallway	NO	G	YES	N/A	Cellulose 7% Binder 93%
006	8-4C	5/23/2024	6/13/2024	Drywall and Associated Joint Compound; Restroom	NO	G	YES	N/A	Cellulose 5% Binder 95%
007	8-5A	5/23/2024	6/13/2024	Woodgrain Linoleum Flooring; Break Area	NO	BR	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182539

Project Number: 20-19799-D
Project Name: 3271 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3271 Silver Lake Rd. - Fenton MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	8-5B	5/23/2024	6/13/2024	Woodgrain Linoleum Flooring; Hallway	NO	BR	YES	N/A	Cellulose <1% Binder 100%
009	8-5C	5/23/2024	6/13/2024	Woodgrain Linoleum Flooring; Kitchen	NO	BR	YES	N/A	Cellulose <1% Binder 100%
010	8-5D	5/23/2024	6/13/2024	Woodgrain Linoleum Flooring Mastic; Break Area	NO	B	YES	N/A	Binder 100%
011	8-5E	5/23/2024	6/13/2024	Woodgrain Linoleum Flooring Mastic; Hallway	NO	B	YES	N/A	Binder 100%
012	8-5F	5/23/2024	6/13/2024	Woodgrain Linoleum Flooring Mastic; Kitchen	NO	B	YES	N/A	Binder 100%
013	8-6A	5/23/2024	6/13/2024	White Vinyl Base Molding; Break Room	NO	W	YES	N/A	Cellulose <1% Binder 100%
014	8-6B	5/23/2024	6/13/2024	White Vinyl Base Molding; Hallway	NO	W	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182539

Project Number: 20-19799-D
Project Name: 3271 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3271 Silver Lake Rd. - Fenton MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	8-6C	5/23/2024	6/13/2024	White Vinyl Base Molding; Front Reception Area	NO	W	YES	N/A	Cellulose <1% Binder 100%
016	8-6D	5/23/2024	6/13/2024	White Vinyl Base Molding Mastic; Break Room	NO	T	YES	N/A	Cellulose <1% Binder 100%
017	8-6E	5/23/2024	6/13/2024	White Vinyl Base Molding Mastic; Hallway	NO	T	YES	N/A	Cellulose <1% Binder 100%
018	8-6F	5/23/2024	6/13/2024	White Vinyl Base Molding Mastic; Front Reception Area	NO	T	YES	N/A	Cellulose <1% Binder 100%
019	8-7A	5/23/2024	6/13/2024	Carpet Mastic; West Side - North Office	NO	GR	YES	N/A	Cellulose 2% Binder 98%
020	8-7B	5/23/2024	6/13/2024	Carpet Mastic; West Side - Middle Office	NO	GR	YES	N/A	Cellulose <1% Binder 100%
021	8-7C	5/23/2024	6/13/2024	Carpet Mastic; West Side - South Office	NO	GR	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182539

Project Number: 20-19799-D
Project Name: 3271 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3271 Silver Lake Rd. - Fenton MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	8-8A	5/23/2024	6/13/2024	2'x 4' Ceiling Tile; Kitchen	NO	G	YES	N/A	Cellulose 60% Fiberglass 40%
023	8-8B	5/23/2024	6/13/2024	2'x 4' Ceiling Tile; Hallway	NO	G	YES	N/A	Cellulose 55% Fiberglass 45%
024	8-8C	5/23/2024	6/13/2024	2'x 4' Ceiling Tile; Front Reception Area	NO	G	YES	N/A	Cellulose 60% Fiberglass 40%

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182539

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/23/24 JOB # 20-19799-D
LOCATION 3271 Silver Lake Road, Fenton, MI PAGE 1 OF 2

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001 B-1A	Exterior - N side			EFS
-002 B-2A	Exterior - N side			Brick Mortar
-003 B-3A	Interior - South Wall			Concrete Block Mortar
-004 B-4A	Break Area			Drywall - Assorted
-005 B	Hallway			Joint Compound
-006 C	Restroom			↓
-007 B-5A	Break Area			Woodgrain Linoleum
-008 B	Hallway			Flooring
-009 C	Kitchen			↓
-010 D				mastic on Above
-011 E				↓
-012 F				
-013 B-6A	Break Room			White Vinyl
-014 B	Hallway			Base Molding
-015 C	Front Reception Area			↓
-016 D				mastic on Above
-017 E				↓
-018 F				

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

Don French 5/23/24
NAME DATE

NAME

DATE

NAME

DATE

Don French 5/24/24
9:23 AM
(DAP)

micro air inc.

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/23/24 JOB # 20-19799-D
LOCATION 3271 Silver Lake Rd., Fenton, MI PAGE 2 OF 2

[illegible]**White – Office**

Yellow – Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME _____

DATE _____

NAME _____

DATE _____

NAME _____

DATE _____

9:23 AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 17, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: 3275 Silver Lake Rd.
Project Number: 20-19799-D

Location: 3275 Silver Lake Rd. - Fenton, MI
Date Received: June 3, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Analyzed By:
Darren A. Parsons

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182507

Project Number: 20-19799-D
Project Name: 3275 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3275 Silver Lake Rd. - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	9-1A	5/23/2024	6/12/2024	EFS; Exterior - North Side, Upper Fascia	NO	G-W	YES	N/A	Cellulose <1% Fiberglass 30% Binder 70%
002	9-2A	5/23/2024	6/12/2024	Brick Mortar; Exterior - North Side Column	NO	G	YES	N/A	Binder 100%
003	9-3A	5/23/2024	6/12/2024	Concrete Block Mortar; Interior - South Wall	NO	R	YES	N/A	Binder 100%
004	9-4A	5/23/2024	6/12/2024	Drywall and Associated Joint Compound; Utility Room	NO	G-W	NO	N/A	Cellulose <1% Fiberglass 20% Binder 80%
005	9-4B	5/23/2024	6/12/2024	Drywall and Associated Joint Compound; Laundry Room	NO	G-W	NO	N/A	Cellulose <1% Fiberglass 20% Binder 80%
006	9-4C	5/23/2024	6/12/2024	Drywall and Associated Joint Compound; Hallway	NO	G-W	NO	N/A	Cellulose <1% Fiberglass 20% Binder 80%
007	9-5A	5/23/2024	6/13/2024	Carpet Mastic; Hallway	NO	G-GR	YES	N/A	Cellulose <1% Synthetics <1% Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182507

Project Number: 20-19799-D
Project Name: 3275 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3275 Silver Lake Rd. - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	9-5B	5/23/2024	6/13/2024	Carpet Mastic; Kitchen	NO	G-T	YES	N/A	Cellulose 2% Synthetics <1% Binder 98%
009	9-5C	5/23/2024	6/13/2024	Carpet Mastic; Therapy Room	NO	G-T	YES	N/A	Cellulose 3% Synthetics <1% Binder 97%
010	9-6A	5/23/2024	6/13/2024	2'x 4' Ceiling Tile; Reception	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
011	9-6B	5/23/2024	6/13/2024	2'x 4' Ceiling Tile; Hallway	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
012	9-6C	5/23/2024	6/13/2024	2'x 4' Ceiling Tile; Laundry	NO	G-W	YES	N/A	Cellulose 85% Fiberglass 5% Binder 10%
013	9-7A	5/23/2024	6/13/2024	12"x 12" Tan Scale Pattern Floor Tile; Laundry Room	NO	T	YES	N/A	Cellulose <1% Binder 100%
014	9-7B	5/23/2024	6/13/2024	12"x 12" Tan Scale Pattern Floor Tile; Laundry Room	NO	T	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182507

Project Number: 20-19799-D
Project Name: 3275 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3275 Silver Lake Rd. - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
015	9-7C	5/23/2024	6/13/2024	12"x 12" Tan Scale Pattern Floor Tile; Restroom	NO	T	YES	N/A	Binder 100%
016	9-7D	5/23/2024	6/13/2024	12"x 12" Tan Scale Pattern Floor Tile Mastic; Laundry Room	NO	O	YES	N/A	Cellulose <1% Binder 100%
017	9-7E	5/23/2024	6/13/2024	12"x 12" Tan Scale Pattern Floor Tile Mastic; Laundry Room	NO	O	YES	N/A	Cellulose <1% Binder 100%
018	9-7F	5/23/2024	6/13/2024	12"x 12" Tan Scale Pattern Floor Tile Mastic; Restroom	NO	O	YES	N/A	Cellulose <1% Binder 100%
019	9-8A	5/23/2024	6/13/2024	12"x 12" Blue Floor Tile; Utility Room	NO	BL	YES	N/A	Binder 100%
020	9-8B	5/23/2024	6/13/2024	12"x 12" Blue Floor Tile Mastic; Utility Room	NO	W	YES	N/A	Cellulose <1% Binder 100%
021	9-9A	5/23/2024	6/13/2024	12"x 12" Red Floor Tile; Utility Room	NO	R	YES	N/A	Binder 100%

Client: Civil & Environmental Consultants
Report Date: 6/17/2024
Lab Number: 182507

Project Number: 20-19799-D
Project Name: 3275 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3275 Silver Lake Rd. - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
022	9-9B	5/23/2024	6/13/2024	12"x 12" Red Floor Tile Mastic; Utility Room	NO	W	YES	N/A	Cellulose <1% Binder 100%
023	9-10A	5/23/2024	6/13/2024	Tan Vinyl Base Molding; Laundry Room	NO	T	YES	N/A	Binder 100%
024	9-10B	5/23/2024	6/13/2024	Tan Vinyl Base Molding; Restroom	NO	T	YES	N/A	Binder 100%
025	9-10C	5/23/2024	6/13/2024	Tan Vinyl Base Molding; Restroom	NO	BR	YES	N/A	Binder 100%
026	9-10D	5/23/2024	6/13/2024	Tan Vinyl Base Molding Mastic; Laundry Room	NO	W	YES	N/A	Cellulose <1% Binder 100%
027	9-10E	5/23/2024	6/13/2024	Tan Vinyl Base Molding Mastic; Restroom	NO	W-T	YES	N/A	Cellulose <1% Binder 100%
028	9-10F	5/23/2024	6/13/2024	Tan Vinyl Base Molding Mastic; Restroom	NO	W	YES	N/A	Cellulose <1% Binder 100%

Client: Civil & Environmental Consultants

Project Number: 20-19799-D

Report Date: 6/17/2024

Project Name: 3275 Silver Lake Rd.

Lab Number: 182507

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.



micro air inc.

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/23/24 JOB # 20-19799-D

LOCATION 3275 Silver Lake Road, Fenton, MI PAGE 1 OF 2

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001 9-1A	Exterior - N side upper Fascia			EFS
-002 9-2A	Exterior - N side Column			Brick Mortar
-003 9-3A	Interior - S Wall			Concrete Block Mortar
-004 9-4A	Utility Room			Drywall + Associated
-005 3	Laundry Room			Joint Compound
-006 C	Hallway			↓
-007 9-5A	Hallway			Carpet Mastic
-008 3	Kitchen			↓
-009 C	Therapy Room			↓
-010 9-6A	Reception			2'x4' Ceiling Tile
-011 3	Hallway			↓
-012 C	Laundry			↓
-013 9-7A	Laundry Room			12x12 Floor Tile
-014 B	" "			Tan Seck Pattern
-015 C	Restroom			↓
-016 D				mastic on Above
-017 E				↓
-018 F				↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24
9:22AM

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566
E-MAIL: microair@microair.com
WEB SITE: www.microair.com

182507

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/23/24 JOB # 20-19799-1

LOCATION 3275 Silver Lake Road, Fenton, MI PAGE 2 OF 2

[illegible]**White – Office**

Yellow – Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME _____

DATE _____

NAME _____

DATE _____

NAME

DATE _____

9:20 AM



micro air inc.

6320 La Pas Trail, Indianapolis, IN 46268 * Phone: (317) 293-1533 * lab@microair.com * www.microair.com

June 10, 2024

Civil & Environmental Consultants
Deborah Blankenship
3000 Little Hills Expressway
Suite 102
St. Charles, MO 63301

Polarized Light Microscopy (PLM) Bulk Sample Results

Project Name: 3295 Silver Lake Rd.
Project Number: 20-19799-D

Location: 3295 Silver Lake Rd. - Fenton, MI
Date Received: June 3, 2024

Enclosed please find the results of samples analyzed by the Micro Air, Inc. laboratory.

Samples were analyzed by 40 CFR Part 763 Appendix E to Subpart E - Interim Method for the Determination of Asbestos in Bulk Insulation Samples using Polarized Light Microscopy (PLM) with Dispersion Staining. Where appropriate, analytical procedures outlined in the EPA Method/600/R-93/116, Method for the Determination of Asbestos in Bulk Building Materials (July 1993) may also be used during analysis. All samples may be heated to release fibrous material.

Samples are considered asbestos-containing material (ACM), as defined by the EPA, when asbestos is found in greater than 1% of the sample. Sample percentages are calculated using comparative visual estimation (CVES). Asbestos regulations and EPA methods state that distinct layers must be analyzed and reported separately. If composite analysis is requested and performed on multi-layered samples, the sample is considered ACM if any quantity of asbestos is found. This report should not be used to imply product or service endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Disclaimer: PLM results of non-friable organic bound (NOB) materials, such as floor tiles and roofing materials, can be inconclusive due to analytical difficulties in standard bulk sample analysis techniques. If desired, results can be confirmed with transmission electron microscopy (TEM) to ensure that asbestos has not been missed during PLM analysis.

This report may not be reproduced, except in full, without written approval from Micro Air, Inc. These results only relate to the items tested and are only as accurate as the sampling information submitted by the customer (e.g. air volumes). Samples are received in good condition unless otherwise noted.

Please consult your Project Manager, Donald French, with any questions regarding these results.

Analyzed By:
Lacey Guynn

Authorized By:

Betsie L. McAfee
Technical Manager

Client: Civil & Environmental Consultants
Report Date: 6/10/2024
Lab Number: 182567

Project Number: 20-19799-D
Project Name: 3295 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3295 Silver Lake Rd. - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
001	1012-1A	5/23/2024	6/5/2024	EFS; Unit 10 - Exterior Fascia	NO	W-T	YES	N/A	Cellulose <1% Binder 100%
002	1012-1B	5/23/2024	6/5/2024	EFS; Unit 12 - Exterior Fascia	NO	W-T	YES	N/A	Cellulose <1% Binder 100%
003	1012-2A	5/23/2024	6/5/2024	Brick Mortar; Exterior - N. Column	NO	G	YES	N/A	Binder 100%
004	1012-3A	5/23/2024	6/5/2024	Concrete Block Mortar; Interior - S. Wall	NO	R	YES	N/A	Cellulose <1% Binder 100%
005	1012-4A	5/23/2024	6/5/2024	Window Frame Caulk; Exterior - NW Corner	NO	B	YES	N/A	Binder 100%
006	1012- 5A	5/23/2024	6/5/2024	Drywall and Associated Joint Compound; Electrical Closet - S. End	NO	W	YES	N/A	Cellulose 5% Synthetics <1% Binder 95%
007	1012- 5B	5/23/2024	6/5/2024	Drywall and Associated Joint Compound; Electrical Closet - Middle	NO	W	YES	N/A	Cellulose 5% Synthetics <1% Binder 95%

Client: Civil & Environmental Consultants
Report Date: 6/10/2024
Lab Number: 182567

Project Number: 20-19799-D
Project Name: 3295 Silver Lake Rd.

Polarized Light Microscopy (PLM) Bulk Sample Results

Location: 3295 Silver Lake Rd. - Fenton, MI

Sample ID	Client Sample ID	Date Collected	Date Analyzed	Sample Description	Asbestos Present?	Color	Homogeneous	Sample Composition	
								Asbestos	Non-Asbestos
008	1012-5C	5/23/2024	6/5/2024	Drywall and Associated Joint Compound; Electrical Closet - N. End	NO	W	YES	N/A	Cellulose 5% Synthetics <1% Binder 95%
009	1012-6A	5/23/2024	6/6/2024	Carpet Mastic; S. End	NO	O	YES	N/A	Cellulose <1% Binder 100%
010	1012-6B	5/23/2024	6/6/2024	Carpet Mastic; Middle	NO	O	YES	N/A	Cellulose <1% Binder 100%
011	1012-6C	5/23/2024	6/6/2024	Carpet Mastic; N. End	NO	O	YES	N/A	Cellulose <1% Binder 100%
012	1012-7A	5/23/2024	6/6/2024	2'x 2' Square Pattern Ceiling Tile; S. End	NO	T	YES	N/A	Cellulose 60% Fiberglass 40%
013	1012-7B	5/23/2024	6/6/2024	2'x 2' Square Pattern Ceiling Tile; Middle	NO	T	YES	N/A	Cellulose 60% Fiberglass 40%
014	1012-7C	5/23/2024	6/6/2024	2'x 2' Square Pattern Ceiling Tile; N. End	NO	T	YES	N/A	Cellulose 60% Fiberglass 40%

Client: Civil & Environmental Consultants

Project Number: 20-19799-D

Report Date: 6/10/2024

Project Name: 3295 Silver Lake Rd.

Lab Number: 182567

Color: B-Black, BL-Blue, BR-Brown, CL-Clear, GL-Gold, G-Gray, GR-Green, O-Orange, P-Pink, PR-Purple, R-Red, S-Silver, T-Tan, W-White, Y-Yellow

Betsie L. McAfee has reviewed this final report and has taken overall technical responsibility for the data.

micro air inc.



Units 10 & 12

182567

6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

DAILY BULK SAMPLE LOG

TECHNICIAN Don French DATE 5/23/24 JOB # 20-19799-D

LOCATION 3295 Silver Lake Road, Ganton, MI PAGE 1 OF 1

SAMPLE NUMBER	SAMPLE LOCATION	MATERIAL CONDITION	PHOTO NUMBER	SAMPLE DESCRIPTION
-001 1012-1A	Unit 10 - Exterior Fascia			EFS
-002 B	" 12 - " "			
-003 1012-2A	Exterior - N Column			Brick Mortar
-004 1012-3A	Interior - S Wall			Concrete Block Mortar
-005 1012-4A	Exterior - NW Corner			Window Frame Caulk
-006 1012-5A	Electrical Closet S end			Drywall + Associate
-007 B	" " middle			Joint Compound
-008 C	" " N end			↓
-009 1012-6A	S end			Carpet Mastix
-010 B	middle			↓
-011 C	N end			
-012 1012-7A	S end			2 1/2' Ceiling Tile
-013 B	middle			Square Pattern
-014 C	N End			↓

White - Office

Yellow - Laboratory

CHAIN OF CUSTODY CHRONICLE:

COLLECTED BY:

CUSTODY TRANSFERRED TO:

RECEIVED IN LABORATORY BY:

NAME

DATE

NAME

DATE

NAME

DATE

5/24/24

9:27AM

TAB 5
CERTIFICATIONS



6320 LA PAS TRAIL, INDIANAPOLIS, INDIANA 46268
TELEPHONE: (317) 293-1533 FAX: (317) 290-3566

E-MAIL: microair@microair.com
WEB SITE: www.microair.com

Indoor Air Quality
Catastrophe Services
Microbiology
Asbestos Surveys
Air Monitoring
Industrial Hygiene
Epidemiology
Radon Testing
Water Testing
Lead Testing

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

Asbestos Inspector


Donald G. French
6320 LaPas Trail
Indianapolis, IN 46268


DOB: 07/16/1960

Accreditation Number
A11834

Expiration Date
02/10/2025

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 **169302**

**United States Department of Commerce
National Institute of Standards and Technology**



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101221-0

Micro Air, Inc.
Indianapolis, IN

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

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2024-04-01 through 2025-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program

A handwritten signature in blue ink, reading "Tasha S. Laman". The signature is written over a horizontal line.

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Micro Air, Inc.
6320 La Pas Trail
Indianapolis, IN 46268-4104
Ms. Betsie L. McAfee
Phone: 317-293-1533 Fax: 317-290-3569
Email: bmcafee@microair.com
<http://www.microair.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101221-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA – 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program