Pre-Demolition
Environmental Inspection Report
For:

Saw-tooth Barn at the Everett A. Cummings Center
6130 E Mt. Morris Road
Mt. Morris MI 48458

January 2015
Global Project No. F1566

Prepared by:

GLOBAL
ENVIRONMENTAL ENGINEERING INC.

6140 Rashelle Drive, Suite 1
Flint, Michigan 48507
(810) 238-9190
Fax: (810) 238-9195

Prepared for:

Genesee County Parks & Recreation Commission
5045 E Stanley Road
Flint, MI 48506

Site Summary
Saw-tooth Barn
6130 E. Mt. Morris Road
Mt. Morris, MI 48458

<table>
<thead>
<tr>
<th>Year Built:</th>
<th>Unknown</th>
<th>Square Footage:</th>
<th>30,000</th>
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</thead>
<tbody>
<tr>
<td>Latitude:</td>
<td>43.117441°</td>
<td>Longitude:</td>
<td>-83.592750°</td>
</tr>
<tr>
<td>Gas:</td>
<td>Unknown</td>
<td>Electric:</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Comments: The subject building is a single story approximately 30,000 square foot pole barn referred to as the saw-tooth barn located at the Everett A. Cummings Center in Mt. Morris, Michigan.

Inspected By:
Julie Robbins   A35947
Dan Culp       A46544

Inspected On:
01/08/2015

Prepared by Global Environmental Engineering Inc.
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Site Summary Legend for Report Cover

A = Friable Asbestos Containing Materials
HM = Hazardous Materials
O = Occupied
ED = Emergency Demolition
T = Tire
1.0 INTRODUCTION

Mr. Matt Armentrout on behalf of The Genesee County Parks & Recreation Commission retained Global Environmental Engineering Inc. (Global) to complete a pre-demolition asbestos inspection for the following property:

Property:
- Saw-tooth Barn located at 6130 Mt. Morris Road, Mt. Morris MI 48458

Description:
The subject building is a single story approximately 30,000 square foot pole barn referred to as the saw-tooth barn located at the Everett A. Cummings Center in Mt. Morris, Michigan. Construction of the building consists of concrete block with steel columns and a concrete floor.

2.0 HAZARDOUS MATERIALS INSPECTION

The property was inspected for the presence of household hazardous materials, including but not limited to; paint, solvents, pesticides/fertilizers, fuel, oil, fluorescent light fixture ballasts, fluorescent light bulbs, underground storage tanks (USTs), above ground storage tanks (ASTs), and mercury thermostats. The Global inspectors documented the location of each of the hazardous materials identified and marked the materials with spray paint. At the discretion of the inspectors photographs were also obtained during the inspection of potential and known hazardous materials. Hazardous materials identified are listed on Table 1. Photographs of hazardous materials for the above referenced property are included in Attachment 1.

3.0 ASBESTOS CONTAINING BUILDING MATERIAL INSPECTION

The property was inspected for the presence of asbestos-containing materials (ACMs) in order to meet the requirements of 40 CFR, Part 61, Subpart M, National Emissions Standards for Hazardous Air Pollutants (NESHAP) prior to demolition.

3.1 Asbestos Inspection

The property was inspected for the presence of suspected ACMs. Typical building materials that may contain asbestos include drywall, floor tiles, roofing felt and shingles, ceiling tiles, insulation, pipe insulation, and duct insulation. Friable materials are defined as materials that when dry may be crumbled or reduced to powder using hand pressure and thus release asbestos fibers.

For the purpose of this inspection non-friable materials that may become friable during the demolition (Category II non-friable) were identified and sampled.

3.2 Sample Collection

On January 8, 2015, two Michigan Accredited Asbestos Inspector, with Global collected representative samples of each suspect ACM. At least two samples of each suspected ACM identified during the inspection were collected. Each sample was placed into a sealed plastic bag and labeled. A description of the material and location of
the sample collected was recorded in the field notes. The total quantity of each suspected ACM was estimated and recorded in the field notes.

A listing of suspect ACMs at this property that were sampled and sent to the laboratory for analysis is included in Table 2. A copy of a floor plan showing sample locations is included in Attachment 2. Laboratory results are included in Attachment 3.

3.3 Category I Non-Friable ACM

Bendable, flexible, and tar based non-friable materials (Category I non-friable) were identified and sampled as part of the completion of this survey.

A listing of Category I Non-Friable ACM that were sampled and sent to the laboratory is also included in Table 2. Per NESHAP the Category I non-friable materials do not require abatement prior to demolition; however if not abated, must be listed on the Notification of Intent to Renovate/Demolish online form found on the Michigan Business One Stop via http://www.michigan.gov/business. A copy of the MDEQ “Notice of Intent to Demolish” form is included as Attachment 4. If the Category I non-friable ACM are left in place all applicable Michigan Occupational Safety and Health Administration (MIOSHA) regulations and NESHAP regulations must be followed.

3.4 Laboratory Analysis/Results

Each sample of suspect ACM collected at this property was analyzed for asbestos content using polarized light microscopy (PLM) by a NVLAP and NIST accredited laboratory in accordance with 40 CFR Ch. I (1-1-87 Edition) Part 763, Subpart F, Appendix A, pp. 293-299. Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

Each sample collected for analysis was delivered to APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, Michigan. The lab was instructed to stop analyzing similar materials when a suspect material was determined to be asbestos containing. This was done to reduce the analytical cost for this project. Laboratory results are included in Attachment 3.

Two of the four materials tested were determined to contain asbestos at concentrations greater than one percent. The window caulk/glazing (6130-1a, 6130-1b, and 6130-1c), and the black caulk on the metal beams (6130-2a, 6130-2b, and 6130-2c) contain asbestos. The ACM, estimated quantities and the locations are located on Table 2 and in the floor plan in Attachment 2.

Prior to demolition the window caulk/glazing and the black caulking material on the metal beams must be properly removed and disposed by a licensed asbestos abatement contractor.

A NESHAP Notice of Intent to Renovate/Demolish form must be filed with the State of Michigan Department of Consumer Industry at least 10 days before beginning a renovation/demolition project or the removal of the material. A form has been included for your future use in Attachment 4.
4.0 SIGNATURE

This report was prepared based on the site conditions that existed at the time of the inspection, sample collection, and the laboratory analytical results.

Prepared By:  
Dan Culp, Michigan Certified Asbestos Inspector  
Michigan Accreditation Number A46544

Prepared by:  
Julie Robbins, Michigan Certified Asbestos Inspector  
Michigan Accreditation Number A35947
Table 1
Hazardous Material List
TABLE 1

HAZARDOUS MATERIALS

<table>
<thead>
<tr>
<th>Material</th>
<th>Quantity &amp; Units</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorescent Light</td>
<td>26- Ballasts</td>
<td>Room 2</td>
</tr>
<tr>
<td>Fluorescent Light Bulbs</td>
<td>52- 4' Bulbs</td>
<td>Room 2</td>
</tr>
<tr>
<td>Fire Extinguisher</td>
<td>2</td>
<td>Room 2</td>
</tr>
<tr>
<td>Paint</td>
<td>2-1 Gallon</td>
<td>Room 2</td>
</tr>
<tr>
<td>Gasoline</td>
<td>2</td>
<td>Room 2</td>
</tr>
<tr>
<td>Fluorescent Light</td>
<td>20- Ballasts</td>
<td>Room 1</td>
</tr>
<tr>
<td>Fluorescent Light Bulbs</td>
<td>40- 4' Bulbs</td>
<td>Room 1</td>
</tr>
<tr>
<td>Fire Extinguisher</td>
<td>2</td>
<td>Room 1</td>
</tr>
<tr>
<td>Mercury Light</td>
<td>1</td>
<td>East side of Building</td>
</tr>
<tr>
<td>Mercury Light</td>
<td>1</td>
<td>South Side of Building</td>
</tr>
</tbody>
</table>

TIRE(s) REPORT

<table>
<thead>
<tr>
<th>Material</th>
<th>Quantity &amp; Units</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tire</td>
<td>1</td>
<td>West Side of Building</td>
</tr>
</tbody>
</table>
Table 2
Suspect Asbestos Containing Material
Pre-Demolition Environmental Inspection Summary

Client: Genesee County Parks & Recreation Commission
Property Location: Saw-tooth Barn 6130 E. Mt. Morris Road, Mt. Morris, MI 48458
Date Inspected: 1/8/2015

### TABLE 2

**Suspect Asbestos Containing Materials**

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Material</th>
<th>Sample Location</th>
<th>Material Location</th>
<th>Estimated Quantity</th>
<th>ACM Present</th>
</tr>
</thead>
<tbody>
<tr>
<td>6130-1a</td>
<td>Window Caulk/Glazing</td>
<td>Room 1</td>
<td>Windows Throughout Building (12 Rows - approximately 100' long panels of windows)</td>
<td>180 Square feet</td>
<td>Yes</td>
</tr>
<tr>
<td>6130-1b</td>
<td>Window Caulk/Glazing</td>
<td>Room 1</td>
<td>Windows Throughout Building (12 Rows - approximately 100' long panels of windows)</td>
<td>Same as above</td>
<td>Yes</td>
</tr>
<tr>
<td>6130-1c</td>
<td>Window Caulk/Glazing</td>
<td>Room 2</td>
<td>Windows Throughout Building (12 Rows - approximately 100' long panels of windows)</td>
<td>Same as above</td>
<td>Yes</td>
</tr>
<tr>
<td>6130-2a</td>
<td>Black Caulk</td>
<td>Room 1</td>
<td>Throughout Building on Metal Beams</td>
<td>400 Square feet</td>
<td>Yes</td>
</tr>
<tr>
<td>6130-2b</td>
<td>Black Caulk</td>
<td>Room 1</td>
<td>Throughout Building on Metal Beams</td>
<td>Same as above</td>
<td>Yes</td>
</tr>
<tr>
<td>6130-2c</td>
<td>Black Caulk</td>
<td>Room 2</td>
<td>Throughout Building on Metal Beams</td>
<td>Same as above</td>
<td>Yes</td>
</tr>
<tr>
<td>6130-3a</td>
<td>Black Rubber/Tar Material on Eve</td>
<td>Room 2</td>
<td>Building Eves</td>
<td>Square feet</td>
<td>No</td>
</tr>
<tr>
<td>6130-3b</td>
<td>Black Rubber/Tar Material on Eve</td>
<td>Room 2</td>
<td>Building Eves</td>
<td>Same as above</td>
<td>No</td>
</tr>
<tr>
<td>6130-3c</td>
<td>Black Rubber/Tar Material on Eve</td>
<td>Room 2</td>
<td>Building Eves</td>
<td>Same as above</td>
<td>No</td>
</tr>
<tr>
<td>6130-4a</td>
<td>Roofing Material (3 Layers)</td>
<td>Middle of Building</td>
<td>Roof of Building</td>
<td>36,000 Square feet</td>
<td>No</td>
</tr>
<tr>
<td>6130-4b</td>
<td>Roofing Material (3 Layers)</td>
<td>Middle of Building</td>
<td>Roof of Building</td>
<td>Same as above</td>
<td>No</td>
</tr>
</tbody>
</table>

**Notes:**

Asbestos samples analyzed by Polarized light Microscopy (PLM).

ACM = Asbestos Containing Materials

Asbestos containing materials are defined as materials that contain greater than one percent (>1%) asbestos.

ND = Non Detect

**Bolded** indicates sample contains asbestos >1%. Materials with ACM Present (Bolded/Shaded) must be removed prior to demolition.

Quantities that are listed are estimates only. It is the contractor's responsibility to verify all amounts of asbestos identified during the bid process.
Attachment 1
Site Inspection Photos
Window Caulk/Glazing
Windows Throughout

Window Caulk/Glazing
Windows Throughout

Black Caulk
Metal Beams

Pre-Demolition Environmental Inspection Summary
Saw-tooth Barn located at Everett A. Cummings Center
Address: 6130 Mt. Morris Road, Mt. Morris, MI

Global Environmental Engineering Inc.

Pictures of Asbestos Containing Material

Reviewed By: J.M.R.
Prepared: January 2015
Page: 3 of 3
Attachment 2
Floor Plan with Sample Locations
Attachment 3
Asbestos Laboratory Analytical Results

<table>
<thead>
<tr>
<th>Sample ID</th>
<th>Date</th>
<th>Analyte</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>S1</td>
<td>01/01/2023</td>
<td>Asbestos A</td>
<td>0.9 ppm</td>
</tr>
<tr>
<td>S2</td>
<td>01/02/2023</td>
<td>Asbestos B</td>
<td>1.2 ppm</td>
</tr>
<tr>
<td>S3</td>
<td>01/03/2023</td>
<td>Asbestos C</td>
<td>1.8 ppm</td>
</tr>
</tbody>
</table>

Note: ppm stands for parts per million.
# Certificate of Laboratory Analysis

**Test Method, Polarized Light Microscopy (PLM)**

**Project: Genesee Area Parks - Sawtooth F 1566**  
**Project #: F1566**

<table>
<thead>
<tr>
<th>Report To:</th>
<th>ARI Report #: 15-56748</th>
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</thead>
<tbody>
<tr>
<td>Ms. Julie Herrick-Robbins</td>
<td>Date Collected: 01/08/15</td>
</tr>
<tr>
<td>Global Environmental Engineering</td>
<td>Date Received: 01/09/15</td>
</tr>
<tr>
<td>6140 Rashelle Dr., Ste 1</td>
<td>Date Analyzed: 01/16/15</td>
</tr>
<tr>
<td>Flint, MI 48507</td>
<td>Date Reported: 01/16/15</td>
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</tbody>
</table>

## Sample Information

<table>
<thead>
<tr>
<th>Lab ID #: 56748 - 01</th>
<th>Asbestos Type/Percent</th>
<th>Non-Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-1A</td>
<td>Asbestos Present: YES</td>
<td>Other - 93%</td>
</tr>
<tr>
<td>Material: Window Caulk</td>
<td>Chrysotile - 7%</td>
<td></td>
</tr>
<tr>
<td>Location: RM 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance: grey,fibrous,homogenous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: 1 of 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID #: 56748 - 02</th>
<th>Asbestos Type/Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-1B</td>
<td>Asbestos Present:</td>
</tr>
<tr>
<td>Material: Window Caulk</td>
<td>NOT ANALYZED</td>
</tr>
<tr>
<td>Location: RM 1</td>
<td></td>
</tr>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Layer:</td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Lab ID #: 56748 - 03</th>
<th>Asbestos Type/Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-1C</td>
<td>Asbestos Present:</td>
</tr>
<tr>
<td>Material: Window Caulk</td>
<td>NOT ANALYZED</td>
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<td>Location: RM 2</td>
<td></td>
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<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Layer:</td>
<td></td>
</tr>
</tbody>
</table>

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

---

Robert T. Letarte Jr., Laboratory Director

---

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

NVLAP Lab Code 102118-0
## Certificate of Laboratory Analysis

**Test Method, Polarized Light Microscopy (PLM)**

**Project: Genesee Area Parks - Sawtooth F 1566**

**Project #: F1566**

<table>
<thead>
<tr>
<th>Report To:</th>
<th>ARI Report #: 15-56748</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ms. Julie Herrick-Robbins</td>
<td></td>
</tr>
<tr>
<td>Global Environmental Engineering</td>
<td></td>
</tr>
<tr>
<td>6140 Rashelle Dr., Ste 1</td>
<td></td>
</tr>
<tr>
<td>Flint, MI 48507</td>
<td></td>
</tr>
<tr>
<td>Date Collected: 01/08/15</td>
<td></td>
</tr>
<tr>
<td>Date Received: 01/09/15</td>
<td></td>
</tr>
<tr>
<td>Date Analyzed: 01/16/15</td>
<td></td>
</tr>
<tr>
<td>Date Reported: 01/16/15</td>
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### Sample Information

<table>
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<tr>
<th>Lab ID #: 56748 - 04</th>
<th>Asbestos Type/Percent</th>
<th>Non-Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-2A</td>
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</tr>
<tr>
<td>Material: Black Caulk</td>
<td>Asbestos Present: YES</td>
<td>Other - 90%</td>
</tr>
<tr>
<td>Location: RM 1</td>
<td>Chrysotile - 10%</td>
<td></td>
</tr>
<tr>
<td>Appearance: black, fibrous, homogenous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: 1 of 1</td>
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</table>

<table>
<thead>
<tr>
<th>Lab ID #: 56748 - 05</th>
<th>Asbestos Present:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-2B</td>
<td>NOT ANALYZED</td>
</tr>
<tr>
<td>Material: Black Caulk</td>
<td></td>
</tr>
<tr>
<td>Location: RM 1</td>
<td></td>
</tr>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Layer:</td>
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</table>

<table>
<thead>
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<th>Lab ID #: 56748 - 06</th>
<th>Asbestos Present:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-2C</td>
<td>NOT ANALYZED</td>
</tr>
<tr>
<td>Material: Black Caulk</td>
<td></td>
</tr>
<tr>
<td>Location: RM 2</td>
<td></td>
</tr>
<tr>
<td>Appearance:</td>
<td></td>
</tr>
<tr>
<td>Layer:</td>
<td></td>
</tr>
</tbody>
</table>

For layered samples, each component will be analyzed and reported separately.

---

Robert T. Letarte Jr., Laboratory Director

---

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

NVLAP Lab Code 102118-0
# Certificate of Laboratory Analysis

**Test Method, Polarized Light Microscopy (PLM)**

**Project:** Genesee Area Parks - Sawtooth F 1566  
**Project #:** F1566

<table>
<thead>
<tr>
<th>Report To</th>
<th>ARI Report #</th>
<th>Date Collected</th>
<th>Date Received</th>
<th>Date Analyzed</th>
<th>Date Reported</th>
</tr>
</thead>
</table>
| Ms. Julie Herrick-Robbins  
Global Environmental Engineering  
6140 Rashelle Dr., Ste 1  
Flint, MI 48507 | 15-56748 | 01/08/15 | 01/09/15 | 01/16/15 | 01/16/15 |

## Sample Information

| Lab ID #: 56748 - 07  
Cust. #: 6130-3A  
Material: Eve Material  
Location: RM 2  
Appearance: black, nonfibrous, homogenous  
Layer: 1 of 1 | Asbestos Type/Percent | Non-Asbestos |
<table>
<thead>
<tr>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Asbestos Present: NO</td>
<td>Other - 100%</td>
</tr>
<tr>
<td></td>
<td>No Asbestos Observed</td>
<td></td>
</tr>
</tbody>
</table>

| Lab ID #: 56748 - 08  
Cust. #: 6130-3B  
Material: Eve Material  
Location: RM 2  
Appearance: black, nonfibrous, homogenous  
Layer: 1 of 1 | Asbestos Type/Percent | Non-Asbestos |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Asbestos Present: NO</td>
<td>Other - 100%</td>
</tr>
<tr>
<td></td>
<td>No Asbestos Observed</td>
<td></td>
</tr>
</tbody>
</table>

| Lab ID #: 56748 - 09  
Cust. #: 6130-3C  
Material: Eve Material  
Location: RM 2  
Appearance: black, nonfibrous, homogenous  
Layer: 1 of 1 | Asbestos Type/Percent | Non-Asbestos |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Asbestos Present: NO</td>
<td>Other - 100%</td>
</tr>
<tr>
<td></td>
<td>No Asbestos Observed</td>
<td></td>
</tr>
</tbody>
</table>

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

---

Robert T. Letarte Jr., Laboratory Director

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Test Method EPA 680/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 460-0000  Fax (734) 460-0001
Certificate of Laboratory Analysis
Test Method, Polarized Light Microscopy (PLM)

Project: Genesee Area Parks - Sawtooth F 1566
Project #: F1566

Report To:
Ms. Julie Herrick-Robbins
Global Environmental Engineering
6140 Rashelle Dr., Ste 1
Flint, MI 48507

ARI Report #: 15-56748
Date Collected: 01/08/15
Date Received: 01/09/15
Date Analyzed: 01/16/15
Date Reported: 01/16/15

Sample Information

<table>
<thead>
<tr>
<th>Lab ID #: 56748 - 10</th>
<th>Asbestos Present: NO</th>
<th>Non-Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-4A</td>
<td>No Asbestos Observed</td>
<td>Cellulose - 10%</td>
</tr>
<tr>
<td>Material: Tar</td>
<td></td>
<td>Other - 90%</td>
</tr>
<tr>
<td>Location: LOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance: black,fibrous,homogenous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: 1 of 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID #: 56748 - 10a</th>
<th>Asbestos Present: NO</th>
<th>Non-Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-4A</td>
<td>No Asbestos Observed</td>
<td>Cellulose - 40%</td>
</tr>
<tr>
<td>Material: Felt</td>
<td></td>
<td>Other - 60%</td>
</tr>
<tr>
<td>Location: LOR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance: black,fibrous,homogenous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: 2 of 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lab ID #: 56748 - 10b</th>
<th>Asbestos Present: NO</th>
<th>Non-Asbestos</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cust. #: 6130-4A</td>
<td>No Asbestos Observed</td>
<td>Cellulose - 30%</td>
</tr>
<tr>
<td>Material: Brown Insulation</td>
<td></td>
<td>Mineral Wool - 20%</td>
</tr>
<tr>
<td>Location: LOR</td>
<td></td>
<td>Other - 50%</td>
</tr>
<tr>
<td>Appearance: brown,fibrous,homogenous</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Layer: 3 of 3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 800/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991
Certificate of Laboratory Analysis  
Test Method, Polarized Light Microscopy (PLM)  

Project: Genesee Area Parks - Sawtooth F 1566  
Project #: F1566

Report To:  
Ms. Julie Herrick-Robbins  
Global Environmental Engineering  
6140 Rashelle Dr., Ste 1  
Flint, MI 48507  

ARI Report #: 15-56748  
Date Collected: 01/08/15  
Date Received: 01/09/15  
Date Analyzed: 01/16/15  
Date Reported: 01/16/15

<table>
<thead>
<tr>
<th>Sample Information</th>
<th>Asbestos Type/Percent</th>
<th>Non-Asbestos</th>
</tr>
</thead>
</table>
| Lab ID #: 56748 - 11 | Asbestos Present: NO  
Cust. #: 6130-4B  
Material: Tar  
Location: LOR  
Appearance: black, fibrous, homogenous  
Layer: 1 of 3 |  
No Asbestos Observed | Cellulose - 10%  
Other - 90% |

| Lab ID #: 56748 - 11a | Asbestos Present: NO  
Cust. #: 6130-4B  
Material: Felt  
Location: LOR  
Appearance: black, fibrous, homogenous  
Layer: 2 of 3 |  
No Asbestos Observed | Cellulose - 35%  
Other - 65% |

| Lab ID #: 56748 - 11b | Asbestos Present: NO  
Cust. #: 6130-4B  
Material: Brown Insulation  
Location: LOR  
Appearance: brown, fibrous, homogenous  
Layer: 3 of 3 |  
No Asbestos Observed | Cellulose - 30%  
Mineral Wool - 20%  
Other - 50% |

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

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 800/R-03/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

NVLAP Lab Code 102118-0

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991
<table>
<thead>
<tr>
<th>Result</th>
<th>Area</th>
<th>Volume</th>
<th>Material/Location</th>
<th>Lab ID #</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**Turn Around Times:** (Circle One)

- 72 hour
- 48 hour
- Rush

---

**Contact Person:** John A. Rodgers
**Address:** 1350 F Way, Morris, IL 60455

**Phone:** 815-238-9195
**Fax:** 815-238-9195
**Project #:** F1566

**Date of Survey:** 1-8-2015

**EMERGENCY USE ONLY**

**Lab Use Only**
Attachment 4
MDEQ "Notice of Intent to Demolish" Form
The Department of Environmental Quality is pleased to announce the ability to submit the Notification of Intent to Renovate/Demolish form on-line. You will be able to submit electronically by accessing and using the Michigan Business One Stop site. We have made enhancements to help better serve you. To get started click the following link:

http://www.michigan.gov/business

If you are a new user you will need to register. This is a one-time registration for your business. Instructions with graphics are attached. For questions with navigation call the toll free # for Michigan Business One Stop Customer Assistance Center is 1.877.766.1779 (M - F, 7 am - 6 pm).

You will now see the following page.

From here you can:
- Access One Stop tutorials
- Take the One Stop tour
- Try the One Stop simulator

For new users, you will need to register for a One Stop identification and password. This process can be started by clicking on the GO button under the Start & Register section.
For registered users with a user ID and password (or after registering) you can enter your user ID and password in the provided entry fields and click the GO button under the Registered User section.
Your final step is to register your business by clicking on the GO button under the For Business section.
Follow the instructions to register your business in One Stop. This is a onetime process that you may need your papers and documents from creating your business.

Asbestos NESHAP Program
Technical Programs Unit
Michigan DEQ-Air Quality Division
NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH

MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY (MDEQ) AIR QUALITY DIVISION
NESHAP, 40 CFR Part 61, Subpart M

DEQ/LARA USE ONLY

Postmark Date / / Rec'd Date / /
Emergency Date / / Valid No. 
☐ OK ☐ Send Def Ltr. Date of Def Ltr. / / 
FOLLOW UP / / Spoke w/ 
Comments: 

Notification No. Trans No. 

Calculate LARA Asbestos Project Fee: (1% Project Fee)
Total Project Cost: x 0.01 =
Type of Contractor: License No.:
Licensing Authority: 

1. NOTIFICATION:
Date of Notification: 
Date of Revision(s): 
Notification Type: ☐ Original ☐ Revised ☐ Canceled ☐ Annual
Mark appropriate boxes; (both DEQ and LARA may apply):
DEQ (NESHAP) [260 ln. ft./180 sq. ft. or more is threshold] 
☐ Planned Renovation – 10 working days notice
☐ Emergency Renovation
☐ Scheduled Demolition – 10 working days notice
☐ Intentional Burn – 10 working days notice
☐ Ordered Demolition
LARA (MiiOSH) [Will not accept annual notifications] 
☐ Demo, Reno, Encap. (>10 ln. ft./15 sq. ft.) 10 calendar days notice
☐ Emergency Renovation/Encapsulation

2. PROJECT SCHEDULE:

<table>
<thead>
<tr>
<th>START DATE</th>
<th>END DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Renovation</td>
<td></td>
</tr>
<tr>
<td>+ Asbestos Removal</td>
<td></td>
</tr>
<tr>
<td>+ Demolition</td>
<td></td>
</tr>
<tr>
<td>Encapsulation</td>
<td></td>
</tr>
</tbody>
</table>

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

Days of the Week Work Hours
Asbestos Removal: 
Demolition: 
Encapsulation: 

* Includes setup, build enclosure, asbestos removal, demobilizing, etc.
* Includes only those dates you are conducting asbestos removal/demolition.
☐ Check here if this is a multi-phased project, attach a schedule showing the start/end date of each phase.

3. ABATEMENT CONTRACTOR: Internal Project #:
Name: 
Mailing Address:
City/State/Zip: 
E-mail: 
Contact: Phone: 

4. DEMOLITION CONTRACTOR: Internal Project #:
Name: 
Mailing Address: 
City/State/Zip: 
E-mail: 
Contact: Phone: 

5. FACILITY OWNER: ("Facility" includes Bridges)
Name: 
Mailing Address: 
City/State/Zip: 
E-mail: 
Contact: Phone: 

6. FACILITY DESCRIPTION:
Facility Name: 
Location Address/Description: 
If Apt. # of units: 
City/Twp.: State: Zip Code: 
County: Nearest Crossroad: 
Size: (sq. ft.) No. of Floors: Floor No.: 
Age: Present Use: Prior Use: 
Specific Location(s) in Facility: 

7. DISPOSAL SITE:
Name: 
Location Address: 
City/State/Zip: 

8. WASTE TRANSPORTER 1: 
WASTE TRANSPORTER 2: 
Name: 
Address: 
City/State/Zip: 
Phone: 

9. ORDERED DEMOLITIONS: (See NESHAP regulations for definition of "Ordered Demolitions") A copy of the official Order must accompany this notification.
Gov't Agency Ordering Demo: 
Name/Title of Person Signing Order: 
Date of Order: Date Ordered to Begin: 

10. IS ASBESTOS PRESENT? ☐ Yes ☐ No ☐ To be removed prior to demolition

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

<table>
<thead>
<tr>
<th>RACM to be Removed</th>
<th>RACM to be Encapsulated</th>
<th>Non-friable ACM not removed prior to demo.</th>
<th>Units of Measure</th>
</tr>
</thead>
</table>

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

(continued on reverse side)
NOTIFICATION OF INTENT TO RENOVATE/DEMOLISH (continued)

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

A) RENOVATION: Mark all surfaces/types of RACM to be removed:
- [ ] Piping
- [ ] Fittings
- [ ] Boiler(s)
- [ ] Tanks(s)
- [ ] Beam(s)
- [ ] Duct(s)
- [ ] Tunnel(s)
- [ ] Ceiling Tile(s)
- [ ] Meg Block
- [ ] Other (describe)

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

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

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

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

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

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

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

15. EMERGENCY RENOVATIONS: Date/time of emergency:

Describe the sudden, unexpected event:

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

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

Signature of Owner or Abatement Contractor
Date

Signature of Owner or Demolition Contractor
Date

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

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

Signature of Building Owner or Lessee
Date

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

Signature of Asbestos Abatement Contractor/Representative
Date

18. I certify that the above information is correct:

Printed Name of Owner/Operator
Date

Signature of Owner/Operator
Date

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

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

MIOSHA Asbestos Program
LARA, CSHD
P.O. Box 30671
Lansing, MI 48909-8171

517.322.1320 (office), 517.322.1713 (fax)

For NESHAP Demolitions/Renovations, 40 CFR, Part 61, Subpart M, mail notifications to the appropriate address below (by county of subject facility): For more info visit http://www.michigan.gov/deq click on Air, then Asbestos NESHAP Program.

All Counties (except Wayne County)

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

517.241.7463 (Office)
517.373.7084 (Revision Line)

Wayne County Only

NESHAP Asbestos Program
DEQ, AQD
Cadillac Place, Suite 2-300
3055 West Grand Boulevard
Detroit, MI 48202

313.456.4588 (Office)
313.456.2558 (Revision Line)

EQP5661 (rev. 04/12)

MIOSHA-CSH 142 (rev. 04/12)