

PRE-DEMOLITION ASBESTOS SURVEY

**12 REED PARK
ROCHESTER, NEW YORK**

PREPARED FOR:

**CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614**

February 25, 2016



Prepared By: Angela Liddell

**CITY OF ROCHESTER
12 REED PARK
ROCHESTER, NEW YORK**

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

Introduction

- Asbestos Survey
- Regulatory Review

Limitations

Conclusions

- Asbestos Containing Materials – Locations by Space and Quantification

Drawings

- Sample Locations

Photographs

- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

**CITY OF ROCHESTER
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INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on January 25, 2016 at 12 Reed Park, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story home with a basement.

New York State Department of Labor certified inspectors Lester Mottler and Kiel Liddell conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided as follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
 - a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
 - b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

**CITY OF ROCHESTER
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LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 12 Reed Park, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

**CITY OF ROCHESTER
12 REED PARK
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ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout	*Duct Seam Tape/Duct Boot	Good	Friable	13 Square Feet
Basement	*Flue Patch	Good	Friable	1 Square Feet
Basement to 1 st Floor	*Duct Wrap Insulation on 1 risers running from basement to 2 nd Floor – Riser Runs Behind 1 st Floor Wall	Good	Friable	35 Square Feet

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Kitchen	*Duct Wrap Insulation in Wall	Good	Friable	5 Square Feet

SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Bedroom 1	*Duct Wrap Insulation in Wall	Good	Friable	5 Square Feet
Bedroom 2	*Duct Wrap Insulation in Floor (Runs From Bedroom 2 into Hallway)	Good	Friable	12 Square Feet
	*Duct Wrap Insulation In Wall	Good	Friable	5 Square Feet

HOUSE ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout All Roofs	Black Tar Flashing on Chimney, All Roof Edges, and Penetrations	Good	NOB	20 Square Feet

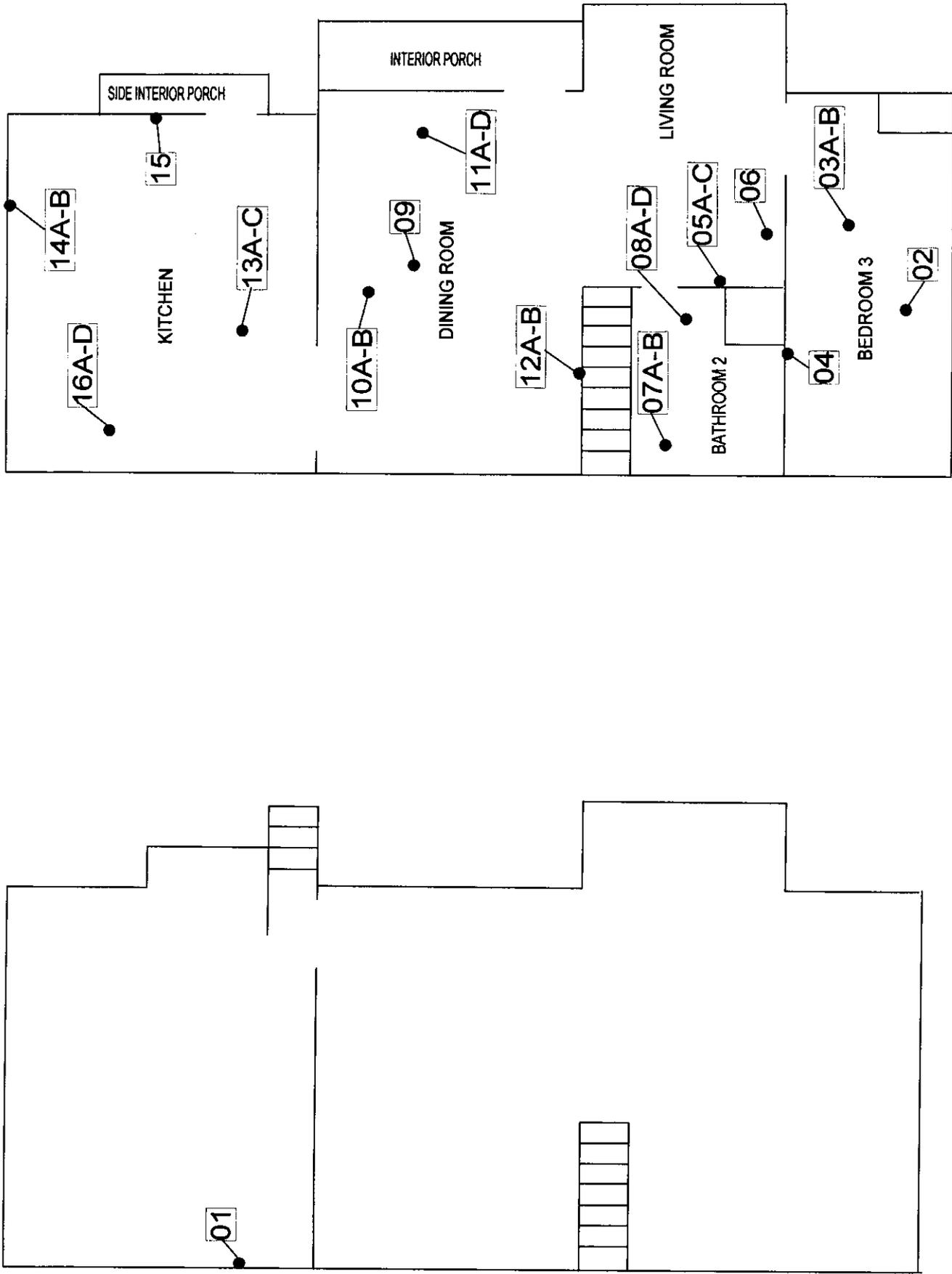
GARAGE ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout All Roofs	Black Tar Flashing All Roof Edges, and Penetrations	Good	NOB	8 Square Feet

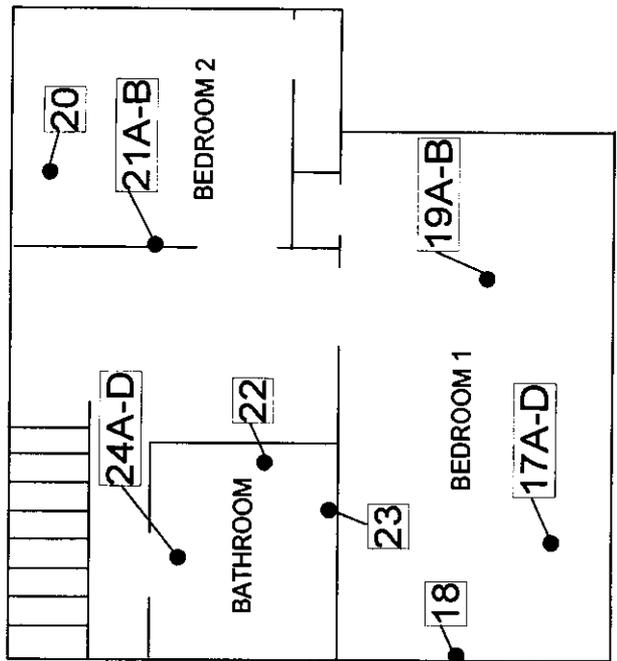
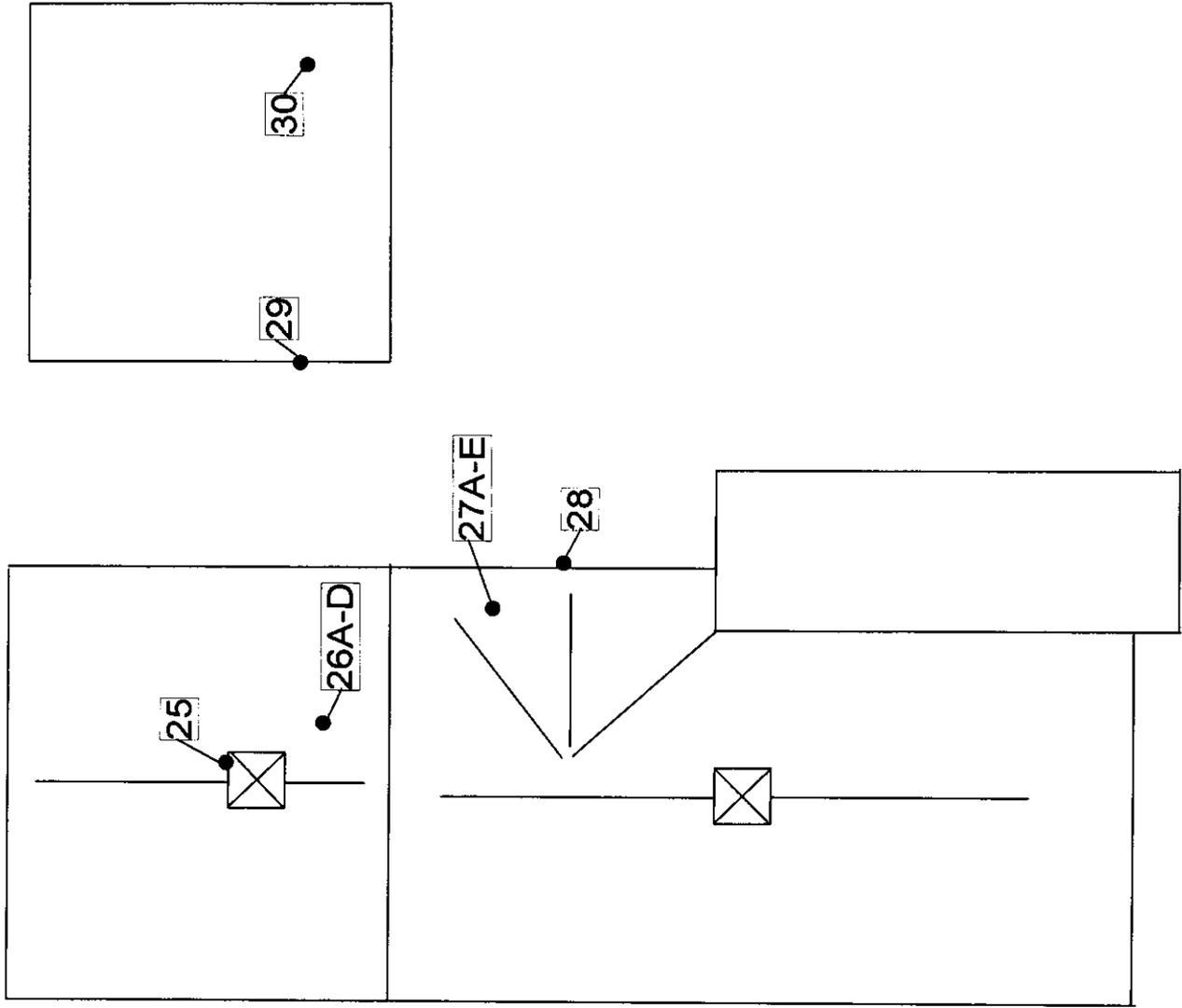
Notes:

- Condition: **Good** = No visible damage and/or very limited deterioration. **Fair** = visible damage or deterioration on less than 25% of the material. **Poor** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Duct seam tape, duct wrap insulation and flue patch materials were not sampled and are presumed to be asbestos containing.

SAMPLE LOCATION DRAWINGS



PRE-DEMOLITION ASBESTOS SURVEY
 BASEMENT AND FIRST FLOOR
 SAMPLE LOCATIONS



PRE-DEMOLITION ASBESTOS SURVEY
 SECOND FLOOR AND EXTERIOR
 SAMPLE LOCATIONS

**PHOTOGRAPHS
OF
ASBESTOS CONTAINING SAMPLES**

12 REED PARK
ROCHESTER, NEW YORK



Figure 1: 12 Reed Park, Rochester, New York

**LABORATORY ANALYTICAL RESULTS
AND
CHAINS OF CUSTODY**



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 30 Church Street
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Laboratory No.: 48136
Date Received: 1/28/16
Report Date: 2/12/16
Analysis Date: 2/2/16

Attn: Chuck Fox

Page: 1 of 7

Project Site: 12 Reed Park, Rochester, New York

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 1/25/16	Location: Interior/Exterior	Analyst: G. Ferruzza
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOT E	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
1	48136-1	Basement	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
2	48136-2	Bedroom 3	2'x4' Small Fissure/Pinhole Ceiling Tile	Inconclusive None Detected 0%	0%	*	F	Cellulose 40%	60%	NAD
3A	48136-3A	Bedroom 3	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
3B	48136-3B	Bedroom 3	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
4	48136-4	Bedroom 3	White Wall Spackle	None Detected 0%	0%		F	Cellulose 5%	95%	N/A
5A	48136-5A	Living Room	White Wall Spackle 1st Layer	None Detected 0%	0%		F	Cellulose 10%	90%	N/A
5B	48136-5B	Living Room	White Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
5C	48136-5C	Living Room	Gray Wall Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
6A-1	48136-6A-1	Living Room	Square Print/ White 12"x12" Floor Tile 1st Layer Side by Side	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
6A-2	48136-6A-2	Living Room	Wood Tone/Parquet Print Floor Tile 1st Layer Side by Side	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: J. DeNike Laboratory Director



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TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 12 Reed Park, Rochester, New York

SAMPLE INFORMATION

Sample Date: 1/25/16	Location: Interior/Exterior	Analyst: G. Ferruzza
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
7A	48136-7A	Bathroom 2	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
7B	48136-7B	Bathroom 2	White Ceiling Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
8A	48136-8A	Bathroom 2	Stone Print/Brown 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Cellulose 3%	97%	NAD
8B	48136-8B	Bathroom 2	Blue Trim/White 12"x12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
8C	48136-8C	Bathroom 2	Dark Wood Tone 12"x12" Floor Tile 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
8D	48136-8D	Bathroom 2	Yellow/Purple 12"x12" Floor Tile 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
9	48136-9	Dining Room	White 2'x4' Long Fissure/Pinhole Ceiling Tile	None Detected 0%	0%		F	None Detected 0%	100%	N/A
10A	48136-10A	Dining Room	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
10B	48136-10B	Dining Room	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
11A	48136-11A	Dining Room	Stone Print/Tan 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

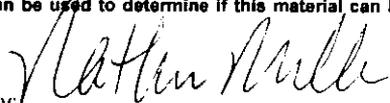
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ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
11B	48136-11B	Dining Room	Block Print/Beige 12"x12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
11C	48136-11C	Dining Room	Brick Print/Dark Brown Sheet Vinyl 3rd Layer	None Detected 0%	0%		F	Cellulose 40% Fiber Glass 20%	40%	N/A
11D	48136-11D	Dining Room	Floral Print/Light Brown/ Tan 12"x12" Floor Tile 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Trace Chrysotile
12A	48136-12A	Dining Room	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
12B	48136-12B	Dining Room	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
13A	48136-13A	Kitchen	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
13B	48136-13B	Kitchen	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
13C	48136-13C	Kitchen	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
14A	48136-14A	Kitchen	Dark Red Wall Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Trace Chrysotile
14B	48136-14B	Kitchen	Dark Brown Wall Vinyl Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Trace Chrysotile

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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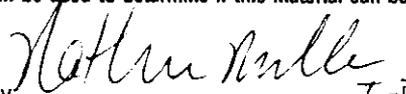
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ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
15	48136-15	Kitchen	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
16A	48136-16A	Kitchen	Stone Print/Tan 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
16B	48136-16B	Kitchen	Light Wood Tone/Parquet Print 12"x12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
16C	48136-16C	Kitchen	Blue/Red Sheet Vinyl 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
16D	48136-16D	Kitchen	Brown Sheet Vinyl Mastic 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Trace Chrysotile
17A	48136-17A	Bedroom 1	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
17B	48136-17B	Bedroom 1	White Ceiling Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
17C	48136-17C	Bedroom 1	White Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
17D	48136-17D	Bedroom 1	Gray Ceiling Plaster 4th Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
18	48136-18	Bedroom 1	Beige Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A

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SAMPLE INFORMATION

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Sampler: K. Liddell/L. Mottier	Type of Sample: Bulk Asbestos	Number of Samples: 65

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20	48136-20	Bedroom 2	White Ceiling Texture	None Detected 0%	0%		F	None Detected 0%	100%	N/A
21A	48136-21A	Bedroom 2	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
21B	48136-21B	Bedroom 2	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
22	48136-22	Hallway	White Ceiling Texture	None Detected 0%	0%		F	None Detected 0%	100%	N/A
23	48136-23	Bathroom 1	Tan Shower Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
24A	48136-24A	Bathroom 1	Wood Plank Print/Tan 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 10%	90%	NAD
24B	48136-24B	Bathroom 1	Wood Grain Print/Tan 12"x12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 10%	90%	NAD
24C	48136-24C	Bathroom 1	Dark Wood Tone 12"x12" Floor Tile 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
24D	48136-24D	Bathroom 1	Gray Floor Tile 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
25	48136-25	Roof 2	Black Tar Flashing	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile 2.3%

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48136
Date Received: 1/28/16
Report Date: 2/12/16
Analysis Date: 2/2/16
Page: 6 of 7

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 12 Reed Park, Rochester, New York

SAMPLE INFORMATION

Sample Date: 1/25/16	Location: Interior/Exterior	Analyst: G. Ferruzza
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
26A	48136-26A	Roof 2 - Roof Main	Brown/Tan/Black Rolled Roofing 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 5%	95%	NAD
26B	48136-26B	Roof 2 - Roof Main	Gray/Black Rolled Roofing 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
26C	48136-26C	Roof 2 - Roof Main	Green/Black Roofing Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
26D	48136-26D	Roof 2 - Roof Main	Black Roofing Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Trace Chrysotile
27A	48136-27A	Roof 1 - Roof Main	Gray/Black Roofing Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Trace Chrysotile
27B	48136-27B	Roof 1 - Roof Main	White/Black Roofing Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Trace Chrysotile
27C	48136-27C	Roof 1 - Roof Main	Green/Black Roofing Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
27D	48136-27D	Roof 1 - Roof Main	Black Roofing Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
27E	48136-27E	Roof 1 - Roof Main	Green/Black Roofing Shingle 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
28	48136-28	Exterior Wall	Beige/Gray Window/Brick Seam Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

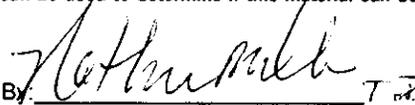
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By:  T.D.
 J. DeNike Laboratory Director



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 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48136
Date Received: 1/28/16
Report Date: 2/12/16
Analysis Date: 2/2/16
Page: 7 of 7

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 12 Reed Park, Rochester, New York

SAMPLE INFORMATION

Sample Date: 1/25/16	Location: Interior/Exterior	Analyst: G. Ferruzza
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 65

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOB	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
29	48136-29	Garage Roof	Black Tar Flashing	Chrysotile 16.7%	16.7%		NOB	None Detected 0%	83.3%	N/A
30	48136-30	Garage Roof - Roof Main	Black Rolled Roofing	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
19A-1	48136-19A-1	Bedroom 1	Black/White Marbled 12"x12" Floor Tile 1st Layer Side by Side	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 5%	95%	NAD
19A-2	48136-19A-2	Bedroom 1	Square Black/White Print 12"x12" Floor Tile 1st Layer Side by Side	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
19B	48136-19B	Bedroom 1	Tan/Brown 12"x12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: *Nathan Miller*
 J. DeNike Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc. Job Name: City of Rochester Chain of Custody: 531141
 Address: 2011 East Main Street Job Location: 12 Reed Park Date Analyzed: 2/10/2016
 Rochester, New York 14609 Job Number: 48136 Person Submitting: Gina Ferruzza
 Attention: Jeanne DeNike P.O. Number: Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16054642	48136-1	Residue	NAD	N/A	NAD		13.3%	42.7%	44.0%			
16054643	48136-2	Residue	NAD	N/A	NAD		24.1%	16.0%	59.9%			
16054644	48136-6A1	Residue	NAD	N/A	NAD		25.7%	19.5%	54.8%			
16054645	48136-6A2	Residue	NAD	N/A	NAD		24.6%	24.2%	51.2%			
16054646	48136-8A	Residue	NAD	N/A	NAD		17.4%	45.0%	37.6%			
16054647	48136-8B	Residue	NAD	N/A	NAD		14.9%	39.6%	45.5%			
16054648	48136-8C	Residue	NAD	N/A	NAD		29.1%	52.7%	18.2%			
16054649	48136-8D	Residue	NAD	N/A	NAD		23.0%	23.4%	53.6%			
16054650	48136-9	Residue	NAD	N/A	NAD		24.8%	11.3%	63.9%			
16054651	48136-11A	Residue	NAD	N/A	NAD		19.1%	45.1%	35.8%			
16054652	48136-11B	Residue	NAD	N/A	NAD		34.5%	48.9%	16.6%			
16054653	48136-11D	Residue	TR	N/A	TR	Chrysotile	76.7%	7.3%	16.0%			
16054654	48136-14A	Residue	TR	N/A	TR	Chrysotile	73.6%	22.8%	3.6%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc. Job Name: City of Rochester Chain of Custody: 531141
 Address: 2011 East Main Street Job Location: 12 Reed Park Date Analyzed: 2/10/2016
 Rochester, New York 14609 Job Number: 48136 Person Submitting: Gina Ferrazza
 Attention: Jeanne DeNitto P.O. Number: Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16054655	48136-14B	Residue	TR	N/A	TR	Chrysotile	43.9%	20.6%	35.5%			
16054656	48136-15	Residue	NAD	N/A	NAD		11.0%	33.8%	55.2%			
16054657	48136-16A	Residue	NAD	N/A	NAD		21.5%	36.0%	42.5%			
16054658	48136-16B	Residue	NAD	N/A	NAD		27.4%	44.9%	27.7%			
16054659	48136-16C	Residue	NAD	N/A	NAD		69.0%	19.4%	11.6%			
16054660	48136-16D	Residue	TR	N/A	TR	Chrysotile	51.5%	10.1%	38.4%			
16054661	48136-19A1	Residue	NAD	N/A	NAD		23.0%	29.8%	47.2%			
16054662	48136-19A2	Residue	NAD	N/A	NAD		21.0%	40.6%	38.4%			
16054663	48136-19B	Residue	NAD	N/A	NAD		29.5%	43.2%	27.3%			
16054664	48136-23	Residue	NAD	N/A	NAD		34.9%	41.7%	23.4%			
16054665	48136-24A	Residue	NAD	N/A	NAD		28.2%	37.3%	34.5%			
16054666	48136-24B	Residue	NAD	N/A	NAD		26.4%	40.9%	32.7%			
16054667	48136-24C	Residue	NAD	N/A	NAD		32.3%	60.3%	7.4%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Client:	Lozier Environmental Consulting, Inc.	Job Name:	City of Rochester	Chain of Custody:	531141
Address:	2011 East Main Street Rochester, New York 14609	Job Location:	12 Reed Park 48136	Date Analyzed:	2/10/2016
Attention:	Jennie DeNiko	Job Number:	48136	Person Submitting:	Gina Ferruzza
		P.O. Number:	Not Provided		

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16054668	48136-24D	Residue	NAD	N/A	NAD		23.8%	20.2%	56.0%			
16054669	48136-25	Residue	2.3%	N/A	2.3%	Chrysotile	40.1%	21.1%	36.5%			
16054670	48136-26A	Residue	NAD	N/A	NAD		58.4%	15.7%	25.9%			
16054671	48136-26B	Residue	NAD	N/A	NAD		58.6%	18.7%	22.7%			
16054672	48136-26C	Residue	NAD	N/A	NAD		49.9%	15.0%	35.1%			
16054673	48136-26D	Residue	TR	N/A	TR	Chrysotile	70.7%	9.7%	19.6%			
16054674	48136-27A	Residue	TR	N/A	TR	Chrysotile	69.3%	14.6%	16.1%			
16054675	48136-27B	Residue	TR	N/A	TR	Chrysotile	43.6%	17.9%	38.5%			
16054676	48136-27C	Residue	NAD	N/A	NAD		67.0%	16.1%	16.9%			
16054677	48136-27D	Residue	NAD	N/A	NAD		46.0%	6.3%	47.7%			
16054678	48136-27E	Residue	NAD	N/A	NAD		54.0%	25.4%	20.6%			
16054679	48136-28	Residue	NAD	N/A	NAD		30.7%	30.5%	38.8%			
16054680	48136-30	Residue	NAD	N/A	NAD		26.6%	44.1%	29.3%			

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CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc. Job Name: City of Rochester Chain of Custody: 531141
 Address: 2011 East Main Street Job Location: 12 Reed Park Date Analyzed: 2/10/2016
 Rochester, New York 14609 Job Number: 48136 Person Submitting: Gina Ferruzza
 Attention: Joanne DeNike P.O. Number: Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
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* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director: Andreas Saldivar Analyst(s): Michael Greenberg

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 ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client: City of Rochester Sample Date: 1/25/2016 Lab No.: 48136 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 12 Reed Park
 Contact: Chuck Fox Rochester, New York TEM: Yes No T/R 5-day

Phone # _____ Fax # _____ Samples: 205 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ TEM
1	48136-1	Basement	Beige	Window Glaze			NDB	-
2	- 2	Bedroom 3	2x4, Small Fissure, Pinhole	Ceiling Tile			F	-
3A	- 3A		White	Ceiling Plaster		1	F	-
3B	- 3B		Grey	Ceiling Plaster		2	F	-
4	- 4		White	W-spk			F	-
5A	- 5A	Living Room	White	W-spk		1	F	-
5B	- 5B		White	Wall Plaster		2	F	-
5C	- 5C		Grey	Wall Plaster		3	F	-
6A1	- 6A ¹		Square Print, White	12x12 Floor Tile			NDB	-
6A2	- 6A ²		Wood Tone, Parquet Print	12x12 Floor Tile			NDB	-

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: [Signature] Reinquished By: [Signature]
 DATE: 1/28/16 TIME: 1450 DATE: 1/28/2016 TIME: 2:30

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 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester Lab No.: 48136 Contacted Client _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 12 Reed Park TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York

Phone # _____ Fax # _____ Samples: 9265 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
7A	48136-7A	Bathroom 2	White	Ceiling Texture		1	F	-	
7B	-7B		White	C-spK		2	F	-	
8A	-8A		Stone Print, Brown	12x12 Floor Tile		1	NDB	-	✓
8B	-8B		Blue Trim, White	12x12 Floor Tile		2	NDB	-	✓
8C	-8C		Dark Wood Tone	12x12 Floor Tile		3	NDB	-	✓
8D	-8D		Yellow, Purple	12x12 Floor Tile		4	NDB	-	✓
9	-9	Dining Room	2x4, Long Fissure, Pinhole	Ceiling Tile			F	-	
10A	-10A		White	Ceiling Plaster		1	F	-	
10B	-10B		Grey	Ceiling Plaster		2	F	-	
11A	✓ -11A		Stone Print, Tan	12x12 Floor Tile		1	NDB	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* Relinquished By: *[Signature]*
 DATE: 1/28/16 TIME: 1450 DATE: 1/28/2016 TIME: 2:30

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester Sample Date: 1/25/2016 Lab No.: 48136 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 12 Reed Park TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York

Phone # _____ Fax # _____ Samples: 67 GS Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
11B	48136-11B	Dining Room	Block Print, Beige	12x12 Floor Tile		2	NOB	✓
11C	-11C		Brick Print, Dark Brown	Sheet Vinyl		2	F	-
11D	-11D		Floral Print, Light Brown, Tan	Sheet Vinyl		4	NOB	✓
12A	-12A		White	Wall Plaster		1	F	-
12B	-12B		Grey	Wall Plaster		2	F	-
13A	-13A	Kitchen	White	Ceiling Texture		1	F	-
13B	-13B		White	Ceiling Plaster		2	F	-
13C	-13C		Grey	Ceiling Plaster		3	F	-
14A	-14A		Dark Red	Wall Vinyl		1	NOB	✓
14B	-14B		Dark Brown	Wall Vinyl Mastic		2	NOB	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: _____ Relinquished By: *K. Liddell*
 DATE: 1/28/16 TIME: 1450 DATE: 1/28/2016 TIME: 2:30

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester Lab No.: 48136 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 12 Reed Park TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York

Sampled By: K. Liddell, L.J. Mottler
 Samples: 62 GS

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
15	48136-15	Kitchen	Beige	Window Glaze			NOB	-	✓
16A	-16A	↓	Stone Print, Tan	12x12 Floor Tile		1	NOB	-	✓
16B	-16B		Light Wood Tone, Parquet Print	12x12 Floor Tile		2	NOB	-	✓
16C	-16C		Blue, Red	Sheet Vinyl		3	NOB	-	✓
16D	-16D		Brown	Sheet Vinyl Mastic		4	NOB	-	✓
17A	-17A	↓	White	Ceiling Texture		1	F	-	
17B	-17B		White	C-spk		2	F	-	
17C	-17C		White	Ceiling Plaster		3	F	-	
17D	-17D		Grey	Ceiling Plaster		4	F	-	
18	-18		Beige	SPK Window Glaze-GF			F	-	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* TIME: 1450
 Relinquished By: *[Signature]*
 DATE: 1/28/16 TIME: 2:30

PLM ASBESTOS BULK MATERIAL SAMPLES

2011 East Main Street, Rochester, New York
 Phone (585) 654-9080 Fax (585) 654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester		Sample Date: 1/25/2016	Lab No.: 48136	Contacted Client
Address: 30 Church St.		Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day		
Rochester, NY 14614		Location: 12 Reed Park		TEM: Yes No T/R
Contact: Chuck Fox		Rochester, New York		
Phone #	Fax #	Samples: 62	Sampled By: K. Liddell, L.J. Mottler	

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ TEM
20	48136-20	Bedroom 2	White	Ceiling Texture			F	-
21A	-21A	↓	White	Wall Plaster		1	F	-
21B	-21B		Grey	Wall Plaster		2	F	-
22	-22	Hallway	White	Ceiling Texture			F	-
23	-23	Bathroom 1	Tan	Shower Mastic			NOB	-
24A	-24A		Wood Plank Print, Tan	12x12 Floor Tile		1	NOB	-
24B	-24B		Wood Grain Print, Tan	12x12 Floor Tile		2	NOB	-
24C	-24C		Dark Wood Tone	12x12 Floor Tile		3	NOB	-
24D	-24D		Grey	Floor Tile		4	NOB	-
25	-25	Roof 2	Black	Tar Flashing			NOB	-

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* DATE: 1/28/16 TIME: 1450
 Relinquished By: *[Signature]* DATE: 1/28/2016 TIME: 2:30

Client: City of Rochester Lab No.: 48136 Contacted Client _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 12 Reed Park TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York

Sampled By: K. Liddell, L.J. Mottler
 Samples: 6Z *WS*

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ TEM
26A	48136-26A	Roof 2 - Roof Main	Brown, Tan, Black	Rolled Roofing		1	NOB	✓
26B	-26B		Grey, Black	Rolled Roofing		2	NOB	✓
26C	-26C		Green, Black	Roofing Shingle		3	NOB	✓
26D	-26D		Black	Roofing Shingle		4	NOB	✓
27A	-27A	Roof 1 - Roof Main	Grey, Black	Roofing Shingle		1	NOB	✓
27B	-27B		White, Black	Roofing Shingle		2	NOB	✓
27C	-27C		Green, Black	Roofing Shingle		3	NOB	✓
27D	-27D		Black	Roofing Shingle		4	NOB	✓
27E	-27E		Green, Black	Roofing Shingle		5	NOB	✓
28	-28	Exterior Wall	Beige, Grey	Window / Brick Seam Caulk			NOB	✓

Transported To: LOZIER ENVIRONMENTAL CONSULTING, INC.
 Relinquished By: *K. Liddell*
 RECEIVED BY: _____
 DATE: 1/28/16 TIME: 1450
 DATE: 1/28/2016 TIME: 2:30

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester Sample Date: 1/25/2016 Lab No.: 48136 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 12 Reed Park TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York
 Phone # Fax # Samples: 65 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	-	TEM
29	48136 28	Garage Roof	Black	Tar Flashing			NOB	+		
30	-30	Garage Roof - Roof Main	Black	Rolled Roofing			NOB	-		✓
19A1	-19A1	Bedroom I	Marbled black/white	12 x 12 floor tiles		1	NOB	-		✓
19A2	-19A2		Square black white grout	11		1	NOB	-		✓
19B	-19B		Tan/brown	11		2	NOB	-		✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* Relinquished By: *[Signature]*
 DATE: 1/28/16 TIME: 1450 DATE: 1/28/2016 TIME: 2:30

CERTIFICATIONS

New York State - Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Lezier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434

LICENSE NUMBER: 29997

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 05/21/2015

EXPIRATION DATE: 05/31/2016

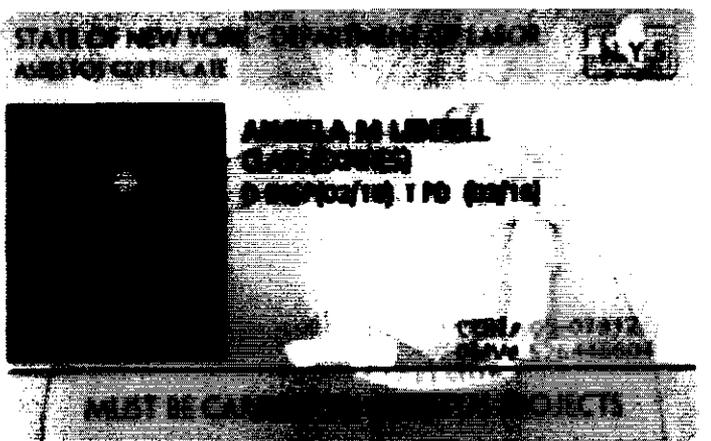
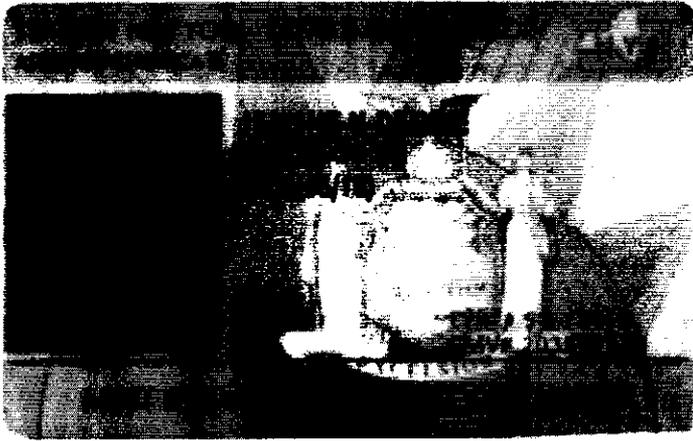
Duly Authorized Representative - Ronald A. Arthurs:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



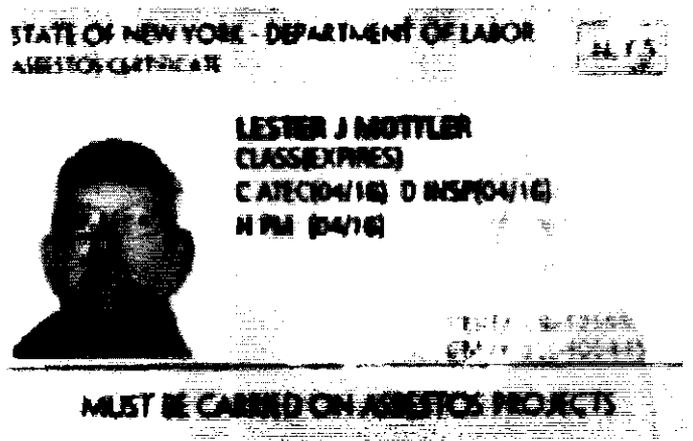
Eileen M. Franko, Director
For the Commissioner of Labor



STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

ANGELA M LIBELLI
CLASSIFIED
CATEC(04/18) O INSP(04/16)
N PM (04/16)

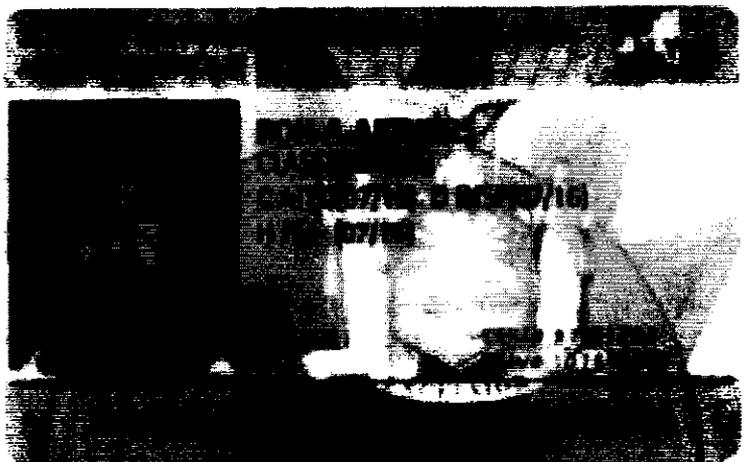
MUST BE CARRIED ON ASBESTOS PROJECTS



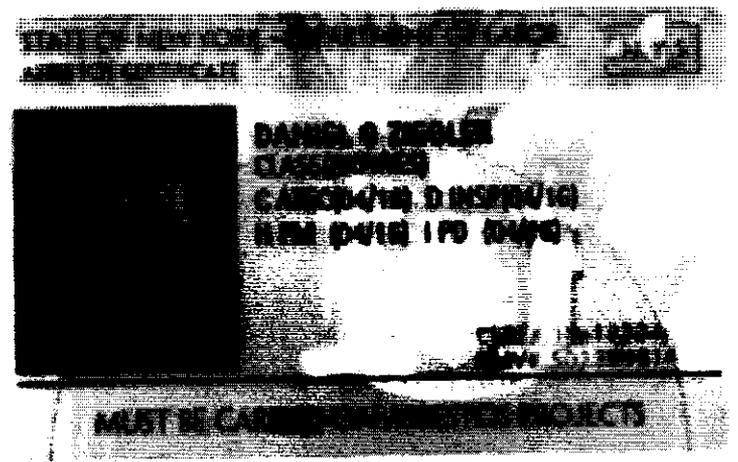
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

LESTER J MOTTLER
CLASSIFIED
CATEC(04/18) O INSP(04/16)
N PM (04/16)

MUST BE CARRIED ON ASBESTOS PROJECTS



ANGELA M LIBELLI
CLASSIFIED
CATEC(04/18) O INSP(04/16)
N PM (04/16)



STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

DANIEL S ZIEGLER
CLASSIFIED
CATEC(04/18) O INSP(04/16)
N PM (04/16) I PD (04/16)

MUST BE CARRIED ON ASBESTOS PROJECTS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Fibers

NIOSH 7400 A RULES

Serial No.: 52562

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 602 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES, SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below.

Metals

Lead, Total

EPA 7000B

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual
EPA 800/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.8 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Lead in Dust Wipes

EPA 7000B

Lead in Paint

EPA 7000B

Sample Preparation Methods

EPA 800/R-93/200

ASTM E-1070-12

Serial No.: 52183

Property of the New York State Department of Health - Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Validity is contingent upon successful ongoing participation in the Program. Consumers are urged to call (516) 455-5670 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised April 22, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 of the Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 800/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Serial No.: 52874

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Contractors are urged to call (516) 485-5570 to verify the laboratory's accreditation status.

PRE-DEMOLITION ASBESTOS SURVEY

**69 STUNZ STREET
ROCHESTER, NEW YORK**

PREPARED FOR:

**CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614**

March 28, 2016



Prepared By: Angela Liddell

CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

Introduction

- Asbestos Survey
- Regulatory Review

Limitations

Conclusions

- Asbestos Containing Materials – Locations by Space and Quantification

Drawings

- Sample Locations

Photographs

- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on March 11, 2016 at 69 Stunz Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story home with an attic and basement.

New York State Department of Labor certified inspectors Kiel Liddell and Lester Mottler conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided as follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
 - a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
 - b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

Non-friable organically bound materials (NOB), which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 69 Stunz Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Basement	*Flue Patch	Good	Friable	2 Square Feet
	*Transite Flue Pipe	Good	Friable	1 Linear Foot
	Black 9"x9" Floor Tile -and- Green Streaked 9"x9" Floor Tile -over- Black Floor Tile Mastic	Good	NOB	405 Square Feet

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Living Room	White Ceiling Texture -over- White Ceiling Plaster -over- Gray Ceiling Plaster	Good	Friable	187 Square Feet
Dining Room	White Ceiling Texture -over- White Ceiling Plaster -over- Gray Ceiling Plaster	Good	Friable	160 Square Feet
	****Ceiling Texture DEBRIS – clean-up of floor and horizontal surfaces	Poor	Friable	65 Square Feet
Side Entry	Tan Octagon Print 12"x12" Floor Tile -over- Green Streaked 9"x9" Floor Tile -over- Black Floor Tile Mastic Removal All Layers as ACM	Good	NOB	35 Square Feet
Bathroom 1	Tan Block Print 12"x12" Floor Tile -over- Gray 12"x12" Floor Tile -over- Brown Wood Tone 12"x12" Floor Tile -and- Yellow 12"x12" Floor Tile (Side by Side) Removal All Layers as ACM	Good	NOB	35 Square Feet
General Note:	****Due to the disturbance of asbestos containing ceiling texture, within the Dining Room must be cleaned as an emergency dust/debris clean-up. NYS DOL variance required.			

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

ATTIC

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Stairwell to Attic	Ceiling Spackle	Good	Friable	40 Square Feet
	Wall Spackle	Good	Friable	80 Square Feet
Room 1	Ceiling Spackle	Good	Friable	204 Square Feet
	Wall Spackle	Good	Friable	160 Square Feet
Room 1 Closet	Ceiling Spackle	Good	Friable	12 Square Feet
	Wall Spackle	Good	Friable	112 Square Feet

HOUSE ROOF

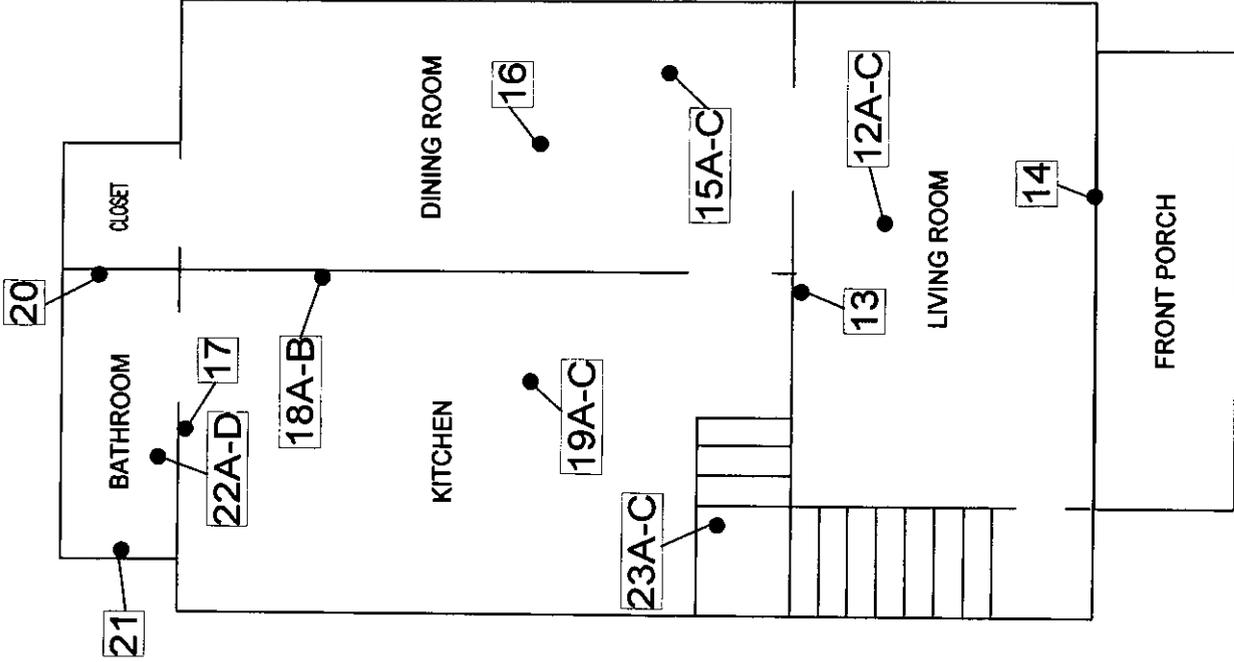
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Back Porch Roof	Black Tar/Rolled Roofing -over- White/Black Roofing Shingle -over- Black Roofing Shingle -over- Red/Gray/Black Roofing Shingle Removal All Layers as ACM	Good	NOB	75 Square Feet
Throughout All Roofs	Black Tar Flashing on Chimney, All Roof Edges, and Penetrations	Good	NOB	10 Square Feet

Notes:

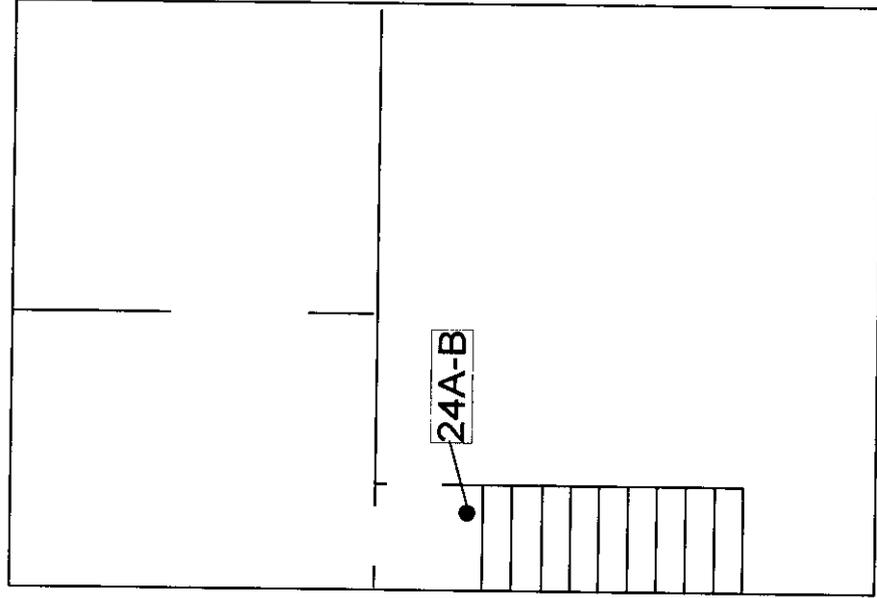
- Condition: **Good** = No visible damage and/or very limited deterioration. **Fair** = visible damage or deterioration on less than 25% of the material. **Poor** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch located in the basement was not sampled and is presumed to be asbestos containing.

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

SAMPLE LOCATION DRAWINGS



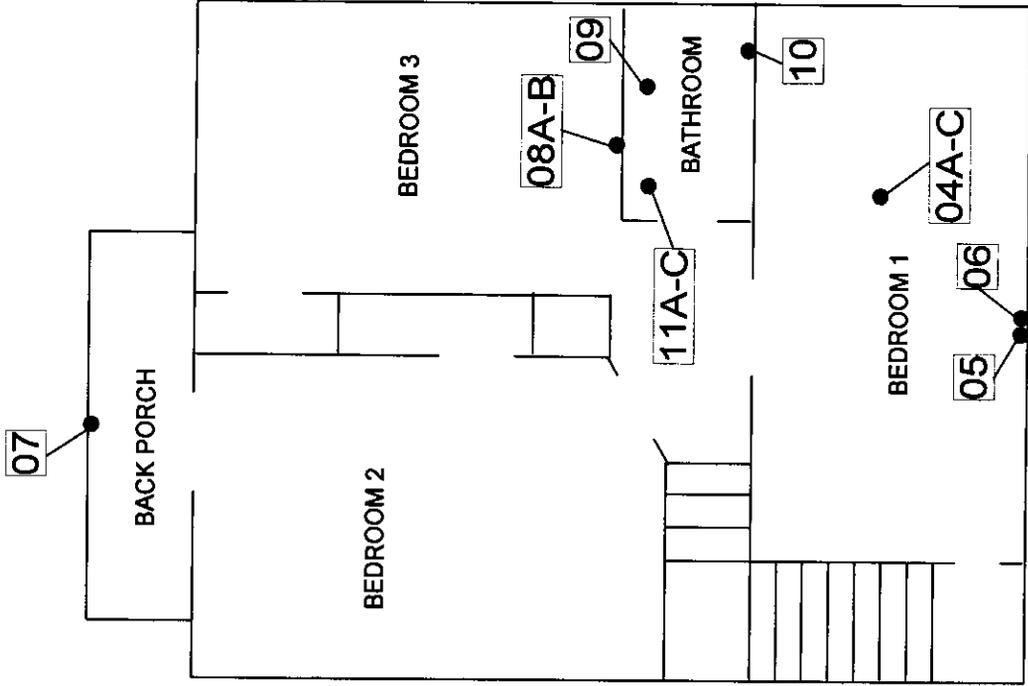
FIRST FLOOR



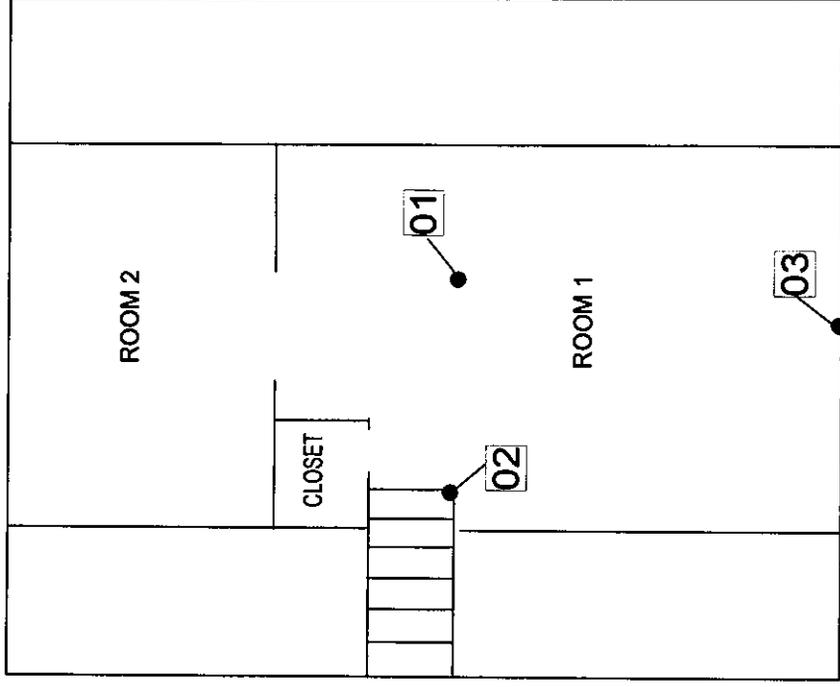
BASEMENT

PRE-DEMOLITION ASBESTOS SURVEY
 BASEMENT AND FIRST FLOOR
 SAMPLE LOCATIONS

69 STUNZ STREET
 ROCHESTER, NEW YORK

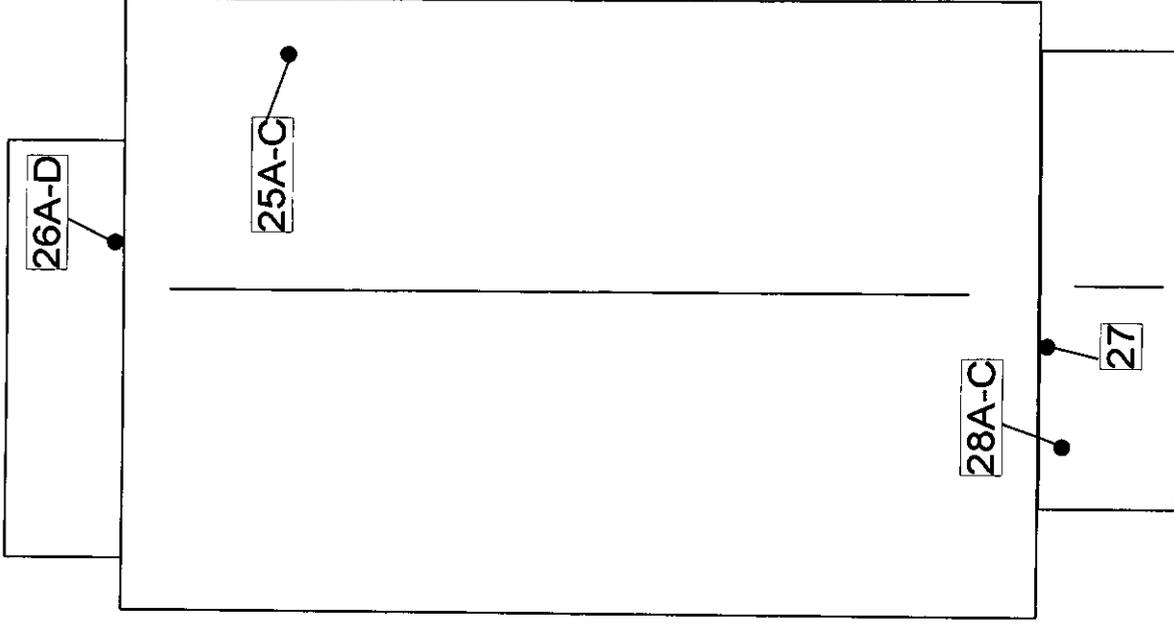
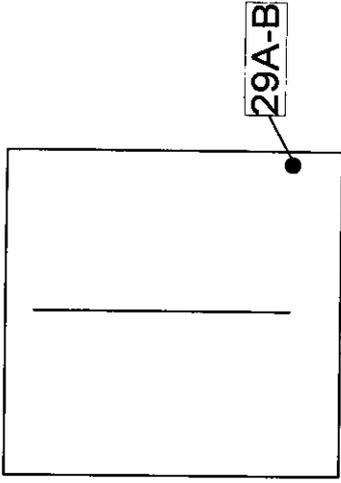


SECOND FLOOR



ATTIC

PRE-DEMOLITION ASBESTOS SURVEY
SECOND FLOOR AND ATTIC
SAMPLE LOCATIONS



PRE-DEMOLITION ASBESTOS SURVEY
HOUSE AND GARAGE EXTERIOR
SAMPLE LOCATIONS

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

**PHOTOGRAPHS
OF
ASBESTOS CONTAINING SAMPLES**

69 STUNZ STREET
ROCHESTER, NEW YORK



Figure 1: 69 Stunz Street, Rochester, New York

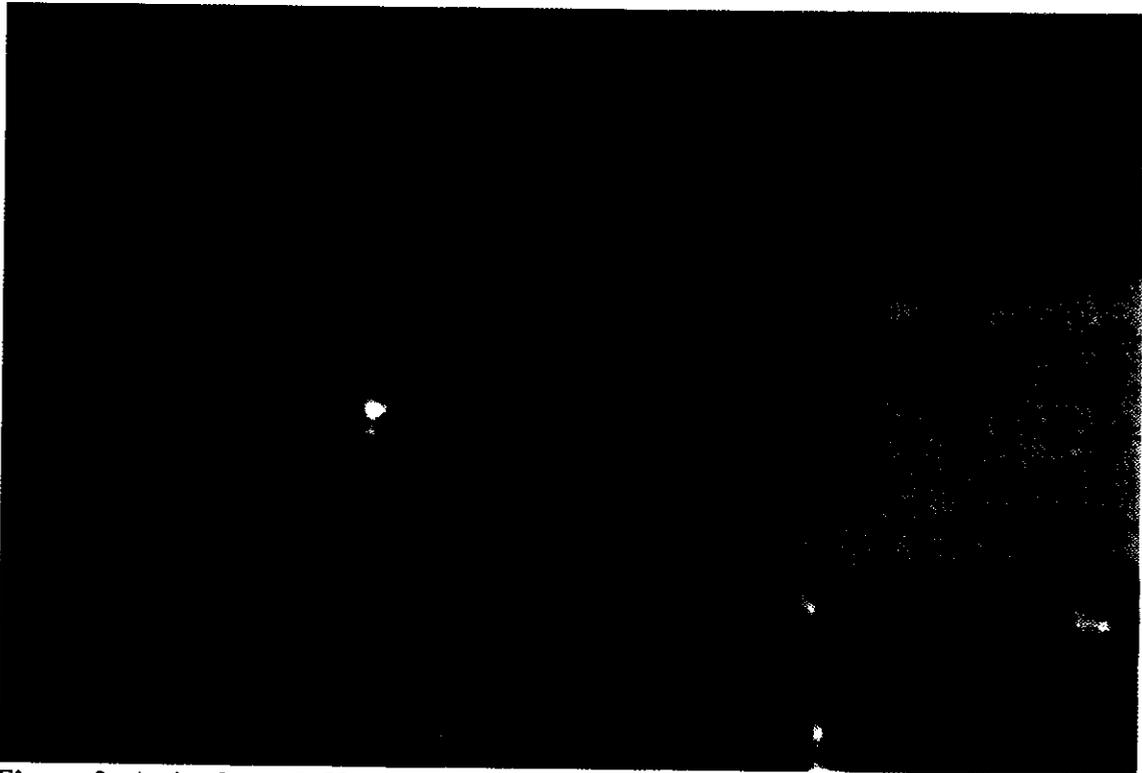


Figure 2: Attic- Sample No. 01: White Ceiling Spackle

69 STUNZ STREET
ROCHESTER, NEW YORK



Figure 3: Attic- Sample No. 02: Wall Spackle

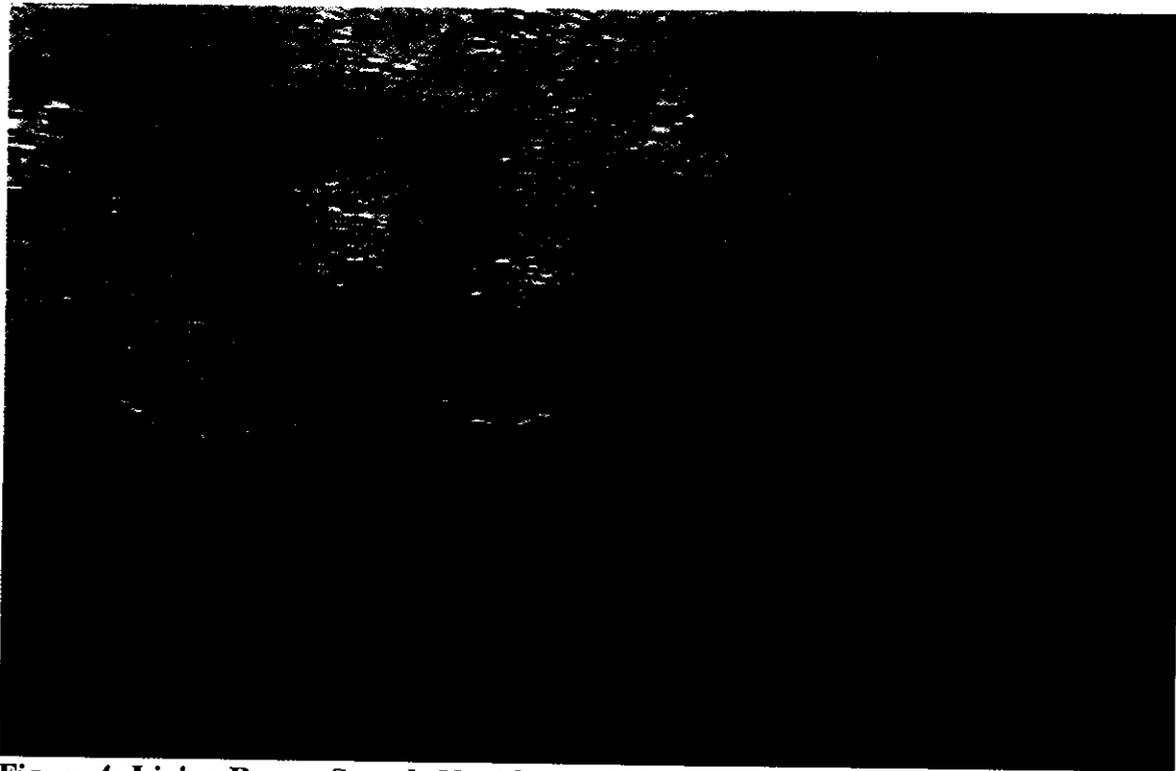


Figure 4: Living Room- Sample No. 12A-C: White Ceiling Texture over White Ceiling Plaster over Gray Ceiling Plaster

69 STUNZ STREET
ROCHESTER, NEW YORK



Figure 5: Basement- Sample No. 22A-D: Tan Block Print 12"x12" Floor Tile over Gray 12"x12" Floor Tile over Brown Wood Toned/Yellow 12"x12" Floor Tile over Black Floor Tile Mastic



Figure 6: Living Room- Sample No. 23A-C: Tan Octagon Print 12"x12" Floor Tile over Green Streaked 12"x12" Floor Tile over Black Floor Tile Mastic

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

**LABORATORY ANALYTICAL RESULTS
AND
CHAINS OF CUSTODY**



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48462
Date Received: 3/11/16
Report Date: 3/21/16
Analysis Date: 3/14/16
Page: 1 of 6

Attn: Chuck Fox

Project Site: 69 Stunz Street, Rochester, New York 14609

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 3/11/16	Location: Interior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 57

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
1	48462-1	Attic Room 1	White Ceiling Spackle	Chrysotile 2.3%	2.3%		F	None Detected 0%	97.7%	N/A
2	48462-2	Attic Room 1	White Wall Spackle	Chrysotile 2.1%	2.1%		F	None Detected 0%	97.9%	N/A
3	48462-3	Attic Room 1	Gray Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
4A	48462-4A	Bedroom 1	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	Wollastonite 7%	93%	N/A
4B	48462-4B	Bedroom 1	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
4C	48462-4C	Bedroom 1	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
5	48462-5	Bedroom 1	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
6	48462-6	Bedroom 1	Gray Storm Window Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
7	48462-7	Back Porch	Gray Storm Window Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
8A	48462-8A	Bedroom 3	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.
Analytical results relate only to the sample received and analyzed.

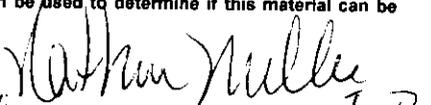
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48462
Date Received: 3/11/16
Report Date: 3/21/16
Analysis Date: 3/14/16
Page: 2 of 6

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 69 Stunz Street, Rochester, New York 14609

SAMPLE INFORMATION

Sample Date: 3/11/16	Location: Interior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 57

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
8B	48462-8B	Bedroom 3	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
9	48462-9	Bedroom 2	White Ceiling Texture	None Detected 0%	0%		F	None Detected 0%	100%	N/A
10	48462-10	Bedroom 2	Tan Wall Tile Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
11A	48462-11A	Bedroom 2	Yellow 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
11B	48462-11B	Bedroom 2	White Ceramic Floor Tile Grout 2nd Layer	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
11C	48462-11C	Bedroom 2	Tan Ceramic Floor Tile Mastic 3rd Floor	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
12A	48462-12A	Living Room	White Ceiling Texture 1st Layer	Tremolite 3.4%	3.4%		F	None Detected 0%	96.6%	N/A
12B	48462-12B	Living Room	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
12C	48462-12C	Living Room	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	Cellulose 5%	95%	N/A
13	48462-13	Living Room	White Wall Spackle Patch	None Detected 0%	0%		F	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

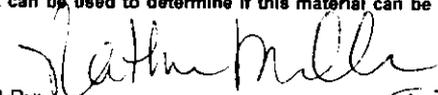
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
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Approved By: 
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Page: 3 of 6

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 69 Stunz Street, Rochester, New York 14609

SAMPLE INFORMATION

Sample Date: 3/11/16	Location: Interior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 57

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
14	48462-14	Living Room	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
15A	48462-15A	Dining Room	White Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
15B	48462-15B	Dining Room	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
15C	48462-15C	Dining Room	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
16	48462-16	Dining Room	White Ceiling Spackle Patch	None Detected 0%	0%		F	None Detected 0%	100%	N/A
17	48462-17	Kitchen	Gray Z-Brick Mortar	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
18A	48462-18A	Kitchen	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
18B	48462-18B	Kitchen	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 4%	96%	N/A
19A	48462-19A	Kitchen	Tan Octagon Print 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
19B	48462-19B	Kitchen	White 12"x12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

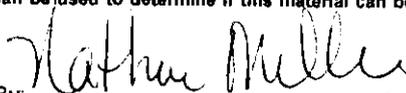
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

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 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



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Attn: Chuck Fox

Page: 4 of 6

Project Site: 69 Stunz Street, Rochester, New York 14609

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 3/11/16	Location: Interior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 57

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
19C	48462-19C	Kitchen	Brown Floor Tile Mastic 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
20	48462-20	Bathroom 1	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
21	48462-21	Bathroom 1	Tan Wall Tile Mastic	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%	NAD
22A	48462-22A	Bathroom 1	Tan Block Print 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
22B	48462-22B	Bathroom 1	Gray 12"x12" Floor Tile 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
22C1	48462-22C1	Bathroom 1	Brown Wood Tone 12"x12" Floor Tile 3rd Layer	Chrysotile 7.7%	7.7%		NOB	None Detected 0%	92.3%	N/A
22C2	48462-22C2	Bathroom 1	Yellow 12"x12" Floor Tile 3rd Layer	Chrysotile 8.1%	8.1%		NOB	None Detected 0%	91.9%	N/A
22D	48462-22D	Bathroom 1	Black Floor Tile Mastic 4th Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%	Chrysotile Trace
23A	48462-23A	Side Entry	Tan Octagon Print 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
23B	48462-23B	Side Entry	Green Streaked 9"x9" Floor Tile 2nd Layer	Chrysotile 28.3%	28.3%		NOB	None Detected 0%	71.7%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

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 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



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Page: 5 of 6

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 69 Stunz Street, Rochester, New York 14609

SAMPLE INFORMATION

Sample Date: 3/11/16	Location: Interior/Exterior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 57

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
23C	48462-23C	Side Entry	Black Floor Tile Mastic 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
24A1	48462-24A1	Basement	Black 9"x9" Floor Tile 1st Layer	Chrysotile 16.9%	16.9%		NOB	None Detected 0%	83.1%	N/A
24A2	48462-24A2	Basement	Green Streaked 9"x9" Floor Tile 1st Layer	Chrysotile 8.6%	8.6%		NOB	None Detected 0%	91.4%	N/A
24B	48462-24B	Basement	Black Floor Tile Mastic 2nd Layer	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%	Chrysotile 3.3%
25A	48462-25A	House Roof Roof Main	White/Gold/Black Roofing Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Mineral Wool 3%	97%	Chrysotile Trace
25B	48462-25B	House Roof Roof Main	White/Black Roofing Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Mineral Wool 3%	97%	Chrysotile Trace
25C	48462-25C	House Roof Roof Main	Red/Gray/Black Roofing Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
26A	48462-26A	Back Porch Roof Roof Main	Black Tar/Rolled Roofing 1st Layer	Chrysotile 13.3%	13.3%		NOB	Fiberglass 10%	76.7%	N/A
26B	48462-26B	Back Porch Roof Roof Main	White/Black Roofing Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 15%	85%	Treat As ACM
26C	48462-26C	Back Porch Roof Roof Main	Black Roofing Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

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Approved By: J. DeNik Laboratory Director



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Page: 6 of 6

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 69 Stunz Street, Rochester, New York 14609

SAMPLE INFORMATION

Sample Date: 3/11/16	Location: Interior/Exterior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 57

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
26D	48462-26D	Back Porch Roof Roof Main	Red/Gray/Black Roofing Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
27	48462-27	Front Porch Roof Roof Edge Flashing	Gray/Black Tar/Flashing	Chrysotile 15.7%	15.7%		NOB	None Detected 0%	84.3%	N/A
28A	48462-28A	Front Porch Roof Roof Main	White/Black Roofing Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
28B	48462-28B	Front Porch Roof Roof Main	White/Black Roofing Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
28C	48462-28C	Front Porch Roof Roof Main	Red/Gray/Black Roofing Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
29A	48462-29A	Garage Roof Roof Main	White/Black Rolled Roofing 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
29B	48462-29B	Garage Roof Roof Main	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

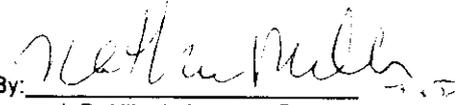
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 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director

Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester **Chain of Custody:** 531967
Address: 2011 East Main Street **Job Location:** 69 Stuntz Street **Date Analyzed:** 3/18/2016
Rochester, New York 14609 **Job Number:** 48462 **Person Submitting:** Nathan Miller
Attention: Jeanne DeNike **P.O. Number:** Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16072418	48462-3	Residue	NAD	N/A	NAD		4.2%	25.9%	70.0%			
16072419	48462-5	Residue	NAD	N/A	NAD		19.1%	36.2%	44.7%			
16072420	48462-6	Residue	NAD	N/A	NAD		37.9%	47.0%	15.1%			
16072421	48462-7	Residue	NAD	N/A	NAD		27.4%	44.3%	28.3%			
16072422	48462-10	Residue	NAD	N/A	NAD		37.7%	26.0%	36.3%			
16072423	48462-11A	Residue	NAD	N/A	NAD		24.0%	29.3%	46.7%			
16072424	48462-11C	Residue	NAD	N/A	NAD		43.5%	39.1%	17.4%			
16072425	48462-14	Residue	NAD	N/A	NAD		19.5%	65.3%	15.2%			
16072426	48462-17	Residue	NAD	N/A	NAD		24.2%	17.4%	58.4%			
16072427	48462-19A	Residue	NAD	N/A	NAD		42.0%	39.6%	18.4%			
16072428	48462-19B	Residue	NAD	N/A	NAD		10.4%	55.2%	34.4%			
16072429	48462-19C	Residue	NAD	N/A	NAD		39.2%	18.4%	42.4%			
16072430	48462-21	Residue	NAD	N/A	NAD		28.9%	47.7%	23.4%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc. Job Name: City of Rochester Chain of Custody: 531967
 Address: 2011 East Main Street Job Location: 69 Stunz Street Date Analyzed: 3/18/2016
 Rochester, New York 14609 Job Number: 48462 Person Submitting: Nathan Miller
 Attention: Jeanne DeNike P.O. Number: Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16072431	48462-22D	Residue	TR	N/A	TR	Chrysotile	37.2%	10.7%	51.3%			
16072432	48462-23C	Residue	TR	N/A	TR	Chrysotile	90.7%	3.2%	6.1%			
16072433	48462-24B	Residue	3.3%	N/A	3.3%	Chrysotile	68.1%	18.8%	9.8%			
16072434	48462-25A	Residue	TR	N/A	TR	Chrysotile	66.5%	9.6%	23.9%			
16072435	48462-25B	Residue	TR	N/A	TR	Chrysotile	76.3%	5.6%	18.1%			
16072436	48462-25C	Residue	NAD	N/A	NAD		59.3%	7.2%	33.5%			
16072437	48462-28A	Residue	TR	N/A	TR	Chrysotile	81.8%	1.7%	16.5%			
16072438	48462-28B	Residue	NAD	N/A	NAD		64.1%	3.7%	32.2%			
16072439	48462-28C	Residue	NAD	N/A	NAD		60.7%	9.1%	30.2%			
16072440	48462-29A	Residue	NAD	N/A	NAD		67.2%	21.9%	10.9%			
16072441	48462-29B	Residue	NAD	N/A	NAD		97.2%	0.2%	2.6%			
16072442	BLANK-C	Residue	NAD	N/A	NAD		30.6%	30.0%	39.4%			

This report applies only to the samples, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a national protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Client: City of Rochester Lab No.: 48462 Contacted Client _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 69 Stunz Street TEM, Yes No T/R
 Contact: Chuck Fox Rochester, New York

Sample Date: 3/11/2016
 Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 69 Stunz Street
 Rochester, New York
 Samples: 57
 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ TEM
1	48462-1	Attic - Room 1	White	C-spk			F +	
2	-2		White	W-spk			F +	
3	-3		Grey	Window Glaze			NOB -	✓
4A	-4A	Bedroom 1	White	Ceiling Texture		1	F -	
4B	-4B		White	Ceiling Plaster		2	F -	
4C	-4C		Grey	Ceiling Plaster		3	F -	
5	-5		Beige	Window Glaze			NOB -	✓
6	-6		Grey	Storm Window Caulk			NOB -	✓
7	-7	Back Porch	Grey	Storm Window Caulk			NOB -	✓
8A	-8A	Bedroom 3	White	Wall Plaster		1	F -	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *Christina Mottler*
 DATE: 3/11/16 TIME: 1620
 Relinquished By: *K. Liddell*
 DATE: 3/11/2016 TIME: 3:14



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester Sample Date: 3/11/2016 Lab No.: 48462 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 69 Stunz Street TEM: Yes No T/R
 Rochester, NY 14614
 Contact: Chuck Fox Rochester, New York

Phone # _____ Samples: 57 Sampled By: K. Liddell, L.J. Mottler
 Fax # _____

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
8B	48462-8B	Bedroom 3	Grey	Wall Plaster		2	F	-	
9	-9	Bathroom 2	White	Ceiling Texture			F	-	
10	-10		Tan	Wall Tile Mastic			NOB	-	
11A	-11A		Yellow	12x12 Floor Tile		1	NOB	-	
11B	-11B		White	Ceramic Floor Tile Grout		2	NF	-	
11C	-11C		Tan	Ceramic Floor Tile Mastic		3	NOB	-	
12A	-12A	Living Room	White	Ceiling Texture		1	F	+	
12B	-12B		White	Ceiling Plaster		2	F	-	
12C	-12C		Grey	Ceiling Plaster		3	F	-	
13	-13		White	W-spk Patch			F	-	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *J. Liddell* Relinquished By: *K. Liddell*
 DATE: 3/11/16 TIME: 1620 DATE: 3/11/2016 TIME: 3:14



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)-654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester Sample Date: 3/11/2016 Lab No.: 48462 Contacted Client _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 69 Stunz Street TEM: Yes No T/R
 Rochester, NY 14614 Rochester, New York
 Contact: Chuck Fox
 Samples: 57 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
14	48462-14	Living Room	Beige	Window Glaze			NOB	-	✓
15A	-15A	Dining Room	White	Ceiling Texture		1	F	-	
15B	-15B		White	Ceiling Plaster		2	F	-	
15C	-15C		Grey	Ceiling Plaster		3	F	-	
16	-16		White	C-spK Patch			F	-	
17	-17	Kitchen	Grey	Z-Brick Mortar			NOB	-	✓
18A	-18A	Kitchen	White	Wall Plaster		1	F	-	
18B	-18B		Grey	Wall Plaster		2	F	-	
19A	-19A		Octagon Print, Tan	12x12 Floor Tile		1	NOB	-	✓
19B	-19B		White	12x12 Floor Tile		2	NOB	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: Matthew Miller
 DATE: 3/11/16 TIME: 1620
 Relinquished By: K. Liddell
 DATE: 3/11/2016 TIME: 3:14



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 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client: City of Rochester Lab No.: 48462 Contacted Client _____
 Address: 30 Church St. Date: _____
 Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 69 Stunz Street TEM: Yes No T/R
 Rochester, NY 14614 Rochester, New York
 Contact: Chuck Fox
 Phone # _____ Fax # _____
 Samples: 57 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
19C	U 8462-19C	Kitchen	Brown	Floor Tile Mastic		3	N0B	-	✓
20	-20	Bathroom 1	White	W-spk			F	-	
21	-21		Tan	Wall Tile Mastic			N0B	-	✓
22A	-22A		Block Print, Tan	12x12 Floor Tile		1	N0B	-	✓
22B	-22B		Grey	12x12 Floor Tile		2	N0B	-	✓
22C1	-22C1		Wood Tone, Brown	12x12 Floor Tile		3	N0B	+	
22C2	-22C2		Yellow	12x12 Floor Tile		3	N0B	+	
22D	-22D		Black	Floor Tile Mastic		4	N0B	-	✓
23A	-23A	Side Entry	Octagon Print, Tan	12x12 Floor Tile		1	N0B	-	✓
23B	-23B		Green, Streaked	9x9 Floor Tile		2	N0B	+	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]*
 DATE: 3/11/16 TIME: 1620
 Relinquished By: *[Signature]*
 DATE: 3/11/2016 TIME: 3:14



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
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PLM ASBESTOS BULK MATERIAL SAMPLES

Client: City of Rochester Sample Date: 3/11/2016 Lab No.: 48462 Contacted Client
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 69 Stunz Street
 Contact: Chuck Fox Rochester, New York TEM: Yes No T/R

Phone # Fax # Samples: 57 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
23C	48462-23C	Side Entry	Black	Floor Tile Mastic		3	Nob	-	/
24A1	24A1	Basement	Black	9x9 Floor Tile		1	Nob	+	
24A2	24A2		Green, Streaked	9x9 Floor Tile		1	Nob	+	
24B	24B		Black	Floor Tile Mastic		2	Nob	-	/
25A	25A	House Roof - Roof Main	White, Gold, Black	Roofing Shingle		1	Nob	-	/
25B	25B		White, Black	Roofing Shingle		2	Nob	-	/
25C	25C		Red, Grey, Black	Roofing Shingle		3	Nob	-	/
26A	26A	Back Porch Roof - Roof Main	Black	Tar / Rolled Roofing		1	Nob	+	
26B	26B		White, Black	Roofing Shingle		2	Nob	-	/
26C	26C		Black	Roofing Shingle		3	Nob	-	/

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: [Signature] Relinquished By: [Signature]
 DATE: 3/11/16 TIME: 1620 DATE: 3/11/2016 TIME: 3:14



2011 East Main Street, Rochester, New York
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 ELAP Accredited No. 11770

Client: City of Rochester Sample Date: 3/11/2016 Lab No.: 48462 Contacted Client _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 69 Stunz Street TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York
 Phone # _____ Fax # _____ Samples: 57 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ TEM
26D	48462-26D	Back Porch Roof - Roof Main	Red, Grey, Black	Roofing Shingle		4	NOB	-
27	-27	Front Porch Roof - Roof Edge	Grey / Black	Tar / Flashing			NOB	+
28A	-28A	Front Porch Roof - Roof Main	White, Black	Roofing Shingle		1	NOB	-
28B	-28B	↓	White, Black	Rolled Roofing		2	NOB	-
28C	-28C	↓	Red, Grey, Black	Roofing Shingle		3	NOB	-
29A	-29A	Garage Roof - Roof Main	White, Black	Rolled Roofing		1	NOB	-
29B	-29B	↓	Black	Felt		2	NOB	-

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* Relinquished By: *[Signature]*
 DATE: 3/11/16 TIME: 1620 DATE: 3/11/2016 TIME: 3:14

**CITY OF ROCHESTER
69 STUNZ STREET
ROCHESTER, NEW YORK**

CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 0270434

LICENSE NUMBER: 29997

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 05/21/2015

EXPIRATION DATE: 05/31/2016

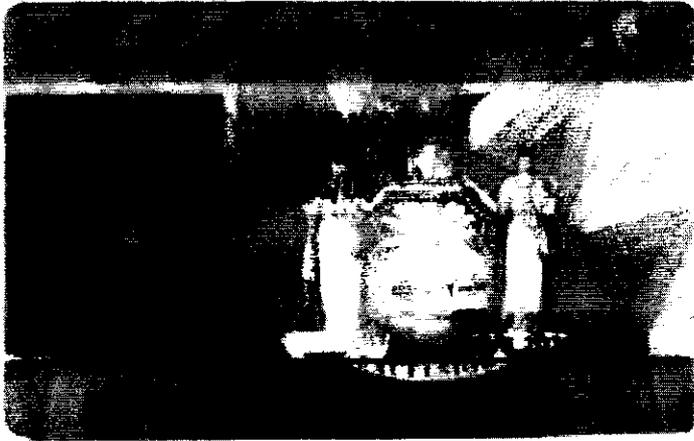
Duly Authorized Representative – Ronald A. Arthurs:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor



STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ANGELA M LIDDELL
CLASS(EXPIRES)
D INSP(02/17) T PD (02/17)

TEST # 1507912
DATE 02/17/10

MUST BE CARRIED ON ASBESTOS PROJECTS

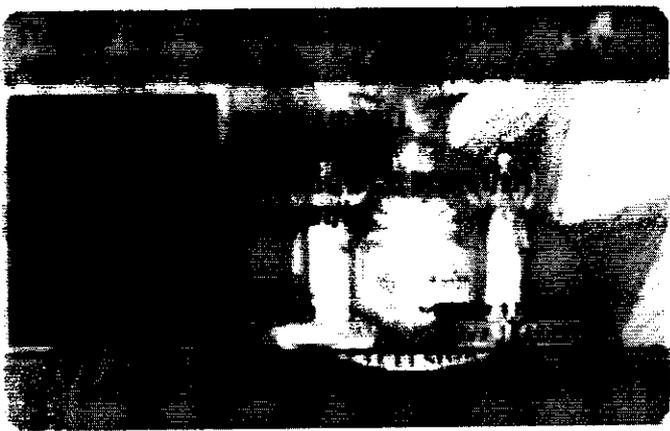
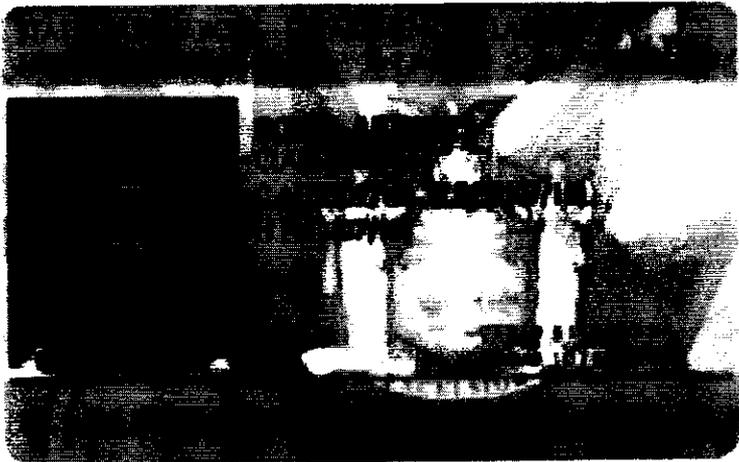
STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



LESTER J MOTTIER
CLASS(EXPIRES)
C AIECD(4/10) D INSP(4/10)
H PM (4/10)

TEST # 1507912
DATE 02/17/10

MUST BE CARRIED ON ASBESTOS PROJECTS



STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ANGELA M LIDDELL
CLASS(EXPIRES)
D INSP(02/17) T PD (02/17)

TEST # 1507912
DATE 02/17/10

MUST BE CARRIED ON ASBESTOS PROJECTS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

**MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609**

NY Lab Id No: 11770

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Fibers

NIOSH 7400 A RULES

Serial No.: 52562

Property of the New York State Department of Health - Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2016
Issued April 01, 2015



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 602 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
1475 FORBES BLVD
LANHAM MD 20706

NY Lab Id No. 10920

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Metals

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual
EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM Item 198.4 of Manual

Lead in Dust Wipes EPA 7000B

Lead in Rain EPA 7000B

Sample Preparation Methods

EPA 600/R-93/200

ASTM E-1076-12

Serial No.: 52183

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised April 22, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 of the Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

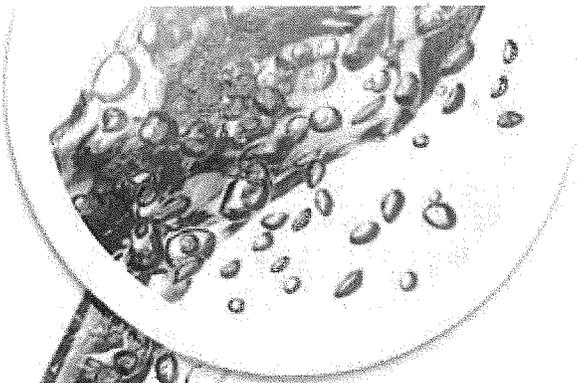
EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Serial No.: 52874

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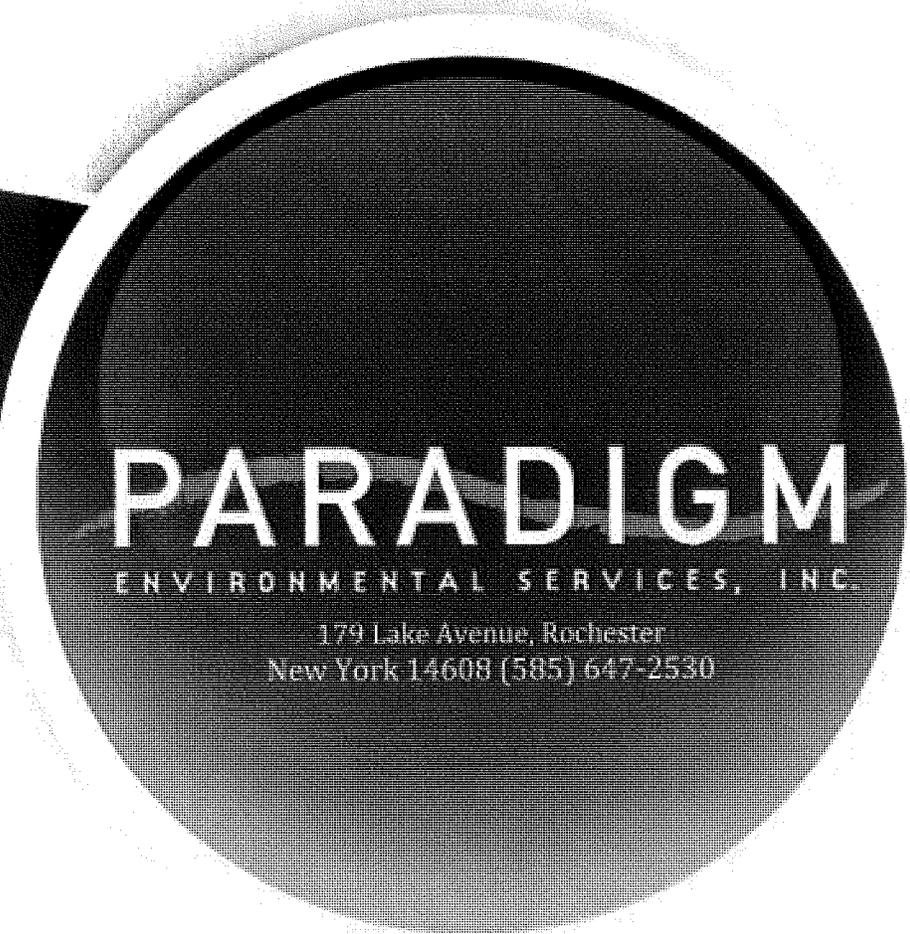
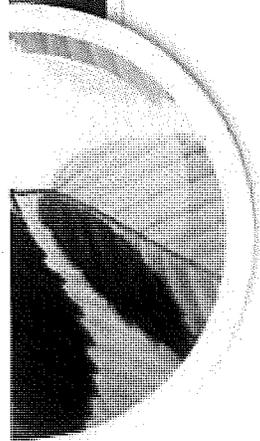


Pre-Demolition Asbestos Survey

at

74 Walnut Street
Rochester, New York

October 16, 2014



PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester
New York 14608 (585) 647-2530

Prepared for:

City of Rochester

30 Church Street, Room 028B

Rochester, New York 14614

Job Number: 14-1099

**74 WALNUT STREET
ROCHESTER, NEW YORK**

TABLE OF CONTENTS

INTRODUCTION

LIMITATIONS

CONCLUSIONS

MATERIALS LIST

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY

DRAWINGS

LABORATORY REPORTS

CHAINS OF CUSTODY

CERTIFICATIONS

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the **City of Rochester** on **October 16, 2014** to conduct an inspection for the detection of asbestos containing materials located at **74 Walnut Street, Rochester, New York**.

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Chris Enright (AH#06-08603) and Geoff Siebert (AH#03-06811) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples").

New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for and referenced to **74 Walnut Street, Rochester, New York**. Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

As per the direction of the client, the City of Rochester, this survey was limited to suspect asbestos containing materials as listed in the materials tested table; if additional materials will be impacted by the demolition these materials should be considered asbestos containing until tested.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey from **74 Walnut Street, Rochester, New York** on **October 16, 2014**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.
- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.
- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11
Room #	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable Non-Friable NOB	Type of Material	SQ FT	Lin FT	Units

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
 - a. **Good:** means material is intact with no visible damage.
 - b. **Fair:** means material contains fewer than 10% distributed damage or 25% localized damage.
 - c. **Poor:** means material contains over 10% distributed damage or 25% localized damage.
 Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
74 Walnut Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Wall and Ceiling Materials				
WPL-005	White Wall Plaster	None Detected	Not Required	Friable
WPL-006	Gray Wall Plaster	None Detected	Not Required	Friable
CPL-007	White Ceiling Plaster	None Detected	Not Required	Friable
CPL-008	Gray Ceiling Plaster	None Detected	Not Required	Friable
DWL-013	Gray Drywall	None Detected	Not Required	Friable
SPK-014	White Spackle	None Detected	Not Required	Friable
WPL-018	White Wall Plaster	None Detected	Not Required	Friable
WPL-019	Gray Wall Plaster	None Detected	Not Required	Friable
ACT-020	Tan 1'x1' Ceiling Tile	None Detected	Not Required	Friable
CPL-021	White Ceiling Plaster	None Detected	Not Required	Friable
CPL-022	Gray Ceiling Plaster	None Detected	Not Required	Friable
ACT-024	Tan 1'x1' Ceiling Tile	None Detected	Not Required	Friable
CRM-037	Brown Ceramic Tile Mastic	Inconclusive Trace Chrysotile Detected	Trace Chrysotile <1.0%	NOB
CRM-038	Brown Ceramic Tile Mastic	Inconclusive Trace Chrysotile Detected	Chrysotile 2.1%	NOB
SPK-039	White Spackle	None Detected	Not Required	Friable
WPL-042	White Wall Plaster	None Detected	Not Required	Friable
WPL-043	Gray Wall Plaster	None Detected	Not Required	Friable
CPL-044	White Ceiling Plaster	None Detected	Not Required	Friable
CPL-045	Gray Ceiling Plaster	None Detected	Not Required	Friable
STC-054	White Stucco	None Detected	Not Required	Friable
STC-055	White Stucco	None Detected	Not Required	Friable
SPK-069	White Spackle	Trace Chrysotile <1.0%	Not Required	Friable
Flooring Materials				
SVL-002	White/Gray Sheet Vinyl	Chrysotile 4%	Not Required	NOB
SVL-003	White/Gray Sheet Vinyl	Chrysotile 4%	Not Required	NOB
SVL-004	White/Brown Sheet Vinyl	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
FT9-009	Tan 9"x9" Floor Tile	Chrysotile 3.1%	Not Required	NOB
FTM-010	Black Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	Chrysotile 7.7%	NOB
FLL-011	Tan Floor Leveler	Inconclusive Trace Chrysotile Detected	Chrysotile 8.5%	NOB
FLL-012	Tan Floor Leveler	Inconclusive Trace Chrysotile Detected	Chrysotile 3%	NOB
FT9-015	Brown 9"x9" Floor Tile	Chrysotile 3.2%	Not Required	NOB
FT1-016	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
FT1-017	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
FT9-023	Brown 9"x9" Floor Tile	Chrysotile 1.2%	Not Required	NOB
FT1-026	White 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	Chrysotile 11%	NOB
FT1-027	White 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	Chrysotile 9.8%	NOB
FT9-028	White 9"x9" Floor Tile	Inconclusive Trace Chrysotile Detected	Chrysotile 15%	NOB
SVL-029	Tan/Black Sheet Vinyl	Inconclusive Trace Chrysotile Detected	Trace Chrysotile <1.0%	NOB
FT9-030	White 9"x9" Floor Tile	Inconclusive Trace Chrysotile Detected	Chrysotile 14%	NOB

MATERIALS TESTED**74 Walnut Street****Rochester, New York**

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
SVL-021	Tan/Black Sheet Vinyl	Inconclusive Trace Chrysotile Detected	Trace Chrysotile <1.0%	NOB
SVL-032	Gray Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-033	Gray Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-035	White/Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-036	White/Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-040	Tan 9"x9" Floor Tile	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
FT9-041	Tan 9"x9" Floor Tile	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
FT1-046	Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-047	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-048	Black 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	None Detected	NOB
FTM-049	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-050	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-051	Black Floor Tile Mastic	Chrysotile 5.7%	Not Required	NOB
FT1-052	Brown 12"x12" Floor Tile	Chrysotile 1.2%	Not Required	NOB
FTM-053	Black Floor Tile Mastic	Chrysotile 9.8%	Not Required	NOB
FTM-056	Black Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	Chrysotile 1.8%	NOB
FTM-057	Black Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	Chrysotile 8.0%	NOB
LIN-058	White/Black Linoleum	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-061	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-062	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-063	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
FTM-064	Tan Floor Tile Mastic	Trace Chrysotile <1.0%	Trace Chrysotile <1.0%	NOB
FT9-065	Yellow 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-066	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
FT9-067	Yellow 9"x9" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-068	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-070	Brown 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-071	Brown 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB

This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Job Number 14-1099

MATERIALS TESTED
74 Walnut Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Thermal Systems Insulation				
DIT-001	Gray Duct Insulation Tape	Chrysotile 5%	Not Required	Friable
DIT-025	Gray Duct Insulation Tape	Chrysotile 40%	Not Required	Friable
DIT-034	Gray Duct Insulation Tape	Chrysotile 15.4%	Not Required	Friable
Miscellaneous Materials				
WAC-059	Tan Wall Caulk	Inconclusive Trace Chrysotile Detected	Chrysotile 2.4%	NOB
WAC-060	Tan Wall Caulk	Inconclusive Trace Chrysotile Detected	Chrysotile 8.9%	NOB
TRN-076	Gray Transite	Chrysotile 3.5%	Not Required	NOB
TRP-077	Black Tar Paper	Inconclusive Trace Chrysotile Detected	Trace Chrysotile <1.0%	NOB
TRN-078	Gray Transite	Chrysotile 2.8%	Not Required	NOB
TRP-079	Black Tar Paper	Inconclusive Trace Chrysotile Detected	Trace Chrysotile <1.0%	NOB
Roofing Materials				
RTR-080	Black Roofing Cement/Tar	Chrysotile 3.0%	Not Required	NOB
RTR-081	Black Roofing Cement/Tar	Inconclusive Trace Chrysotile Detected	Chrysotile 2.7%	NOB
ROS-082	White/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-083	Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-084	White/Black Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-085	Black Roofing Shingle	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
Window Glaze and Caulk				
WIG-072	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	NOB
WIG-073	White Window Glaze	Inconclusive Trace Chrysotile Detected	Chrysotile 6.6%	NOB
CLK-074	Gray Caulk	Inconclusive Trace Chrysotile Detected	Chrysotile 10%	NOB
CLK-075	Gray Caulk	Inconclusive Trace Chrysotile Detected	Chrysotile 11%	NOB

**ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY
74 Walnut Street
Rochester, New York**

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	001-008	DIT-001	Gray Duct Insulation Tape	On Duct	Fair	Friable	TSI	7		
		SVL-002, 003	White/Gray Sheet Vinyl	Stair Treads First Layer	Fair	NOB	MISC	12		
First Floor										
Room 1 Entry 30 square feet	009-014	FT9-009	Tan 9"x9" Floor Tile	Floor, In Corner	Fair	NOB	MISC	10		
		FTM-010	Black Floor Tile Mastic	Floor, In Corner	Fair	NOB	MISC	10		
		FLL-011, 012	Tan Floor Leveler	Floor, In Corner	Fair	NOB	MISC	10		
Room 2 Living Room 144 square feet	015-022	FT9-015	Brown 9"x9" Floor Tile	Closet Floor	Fair	NOB	MISC	10		
		WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC	30		
Room 3 224 square feet	023-025	FT9-023	Brown 9"x9" Floor Tile	Floor	Fair	NOB	MISC	224		
		DIT-025	Gray Duct Insulation Tape	On 2 Ducts in Walls	Fair	Friable	TSI	36		
		WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		20	
Room 4 144 square feet	026, 027	FT1-026, 027	White 12"x12" Floor Tile	Floor	Fair	NOB	MISC	144		
		WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		20	
Room 5 156 square feet	028-034	FT9-028, 030	White 9"x9" Floor Tile	Floor, 1st Layer	Fair	NOB	MISC	156		
		DIT-034	Gray Duct Insulation Tape	Duct in Wall	Fair	Friable	TSI	18		
		WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		30	
Room 6 Bathroom 64 square feet	035-039	CRM-038	Brown Ceramic Tile Mastic	Wall Around Tub	Fair	NOB	MISC	25		
Second Floor										
Room 7 144 square feet	040-045	DIT-001	Gray Duct Insulation Tape	Around Vent	Fair	Friable	TSI	4		
		WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		20	
Room 8 Bedroom 80 square feet	046-049	WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		20	

**ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY
74 Walnut Street
Rochester, New York**

Room	Sample # #s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Room 9 Living Room 196 square feet	056-057, 059	FTM-056, 057	Black Floor Tile Mastic	Under Tile	Fair	NOB	MISC	196		
		WAC-059	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		20	
		DIT-001	Gray Duct Insulation Tape	Around Vent	Fair	Friable	TSI	4		
		FT9-015	Brown 9"x9" Floor Tile	Floor	Fair	NOB	MISC	196		
Room 10 144 square feet	058	FT9-015	Brown 9"x9" Floor Tile	Floor	Fair	NOB	MISC	144		
		FTM-057	Black Floor Tile Mastic	Under Tile	Fair	NOB	MISC	144		
		WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		10	
Room 11 Kitchen 224 square feet	060-064	FT9-028	White 9"x9" Floor Tile	Floor, 2nd Layer	Fair	NOB	MISC	224		
		FTM-057	Black Floor Tile Mastic	Under Tile	Fair	NOB	MISC	224		
		WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		20	
Room 12 Hallway 120 square feet	065-069	WAC-060	Tan Wall Caulk	Along and Behind Wood Window Frames	Fair	NOB	MISC		10	
Room 13 Hallway 30 square feet	070-071	FT9-028	White 9"x9" Floor Tile	Floor	Fair	NOB	MISC	4		
Room 14 Upstairs Entry 100 square feet	050-055	FTM-051, 053	Black Floor Tile Mastic	Under Tile	Fair	NOB	MISC	30		
		FT1-052	Brown 12"x12" Floor Tile	Partial Floor, Bottom Landing	Fair	NOB	MISC	15		
Attic										
Attic	None	None	No Asbestos Detected					0	0	0

**ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY
74 Walnut Street
Rochester, New York**

Room	Sample # #s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Exterior										
Exterior	072-085	WIG-073	White Window Glaze	In Windows	Fair	NOB	MISC	1715	400	
		TRN-076, 078	Gray Transite	Siding, 1st Layer	Good	NOB	MISC			
		CLK-074, 075	Gray Caulk	Along Transite and Around Windows	Fair	NOB	MISC	400		
		RTR-080, 081	Black Roofing Cement/Tar	Along House and Around Chimney	Good	NOB	MISC	25		

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.

U - Inspector unable to determine quantity

3592	995	0
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* Reflects quantifiable locations only; additional materials maybe present, but not quantifiable per table.

** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.

All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

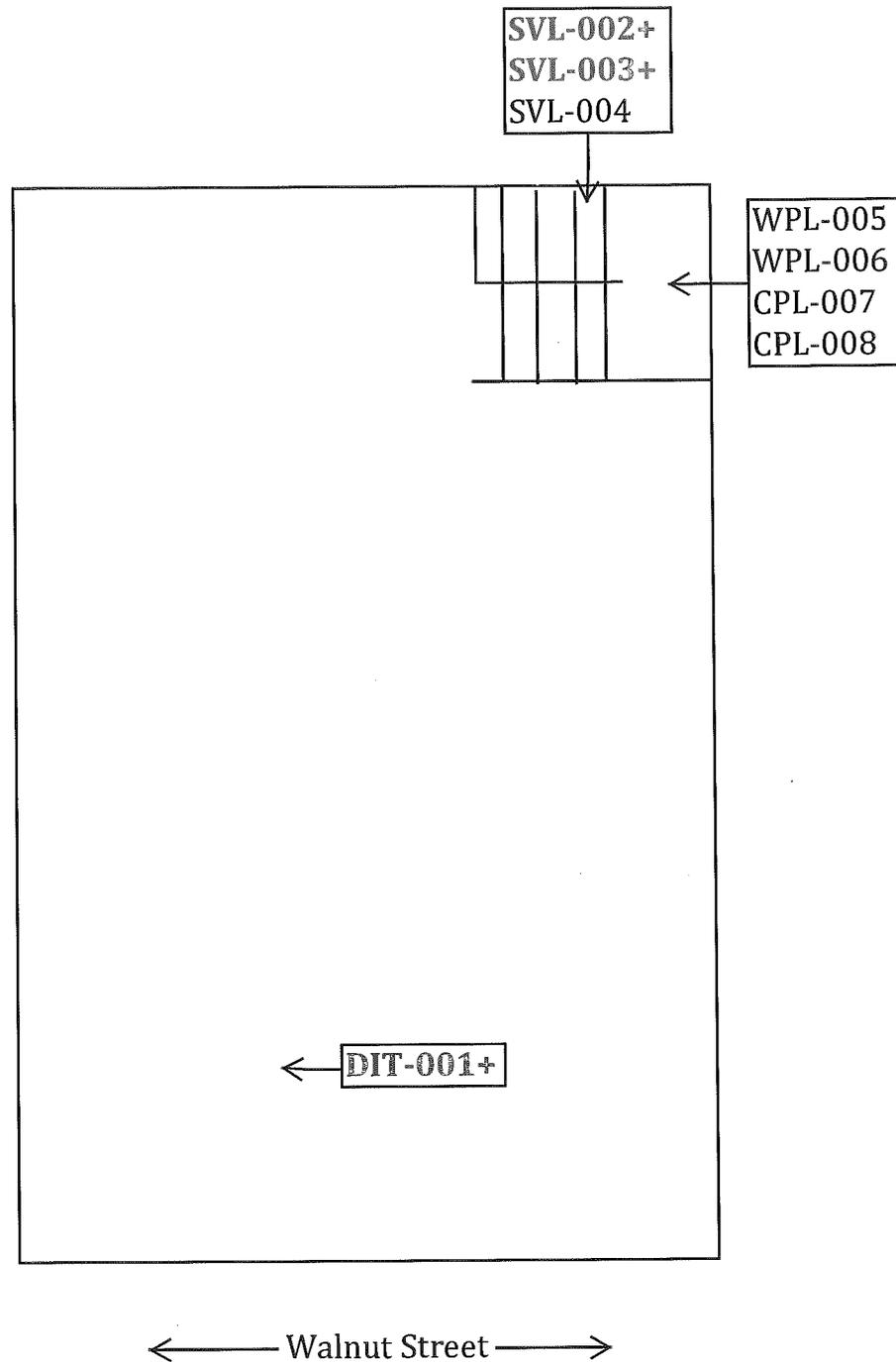
Paradigm certifies that this report regarding 74 Walnut Street, Rochester, New York is based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on October 16, 2014


Chris Enright
Envoy Environmental Consultants, Inc.
Inspector # AH 06-08603

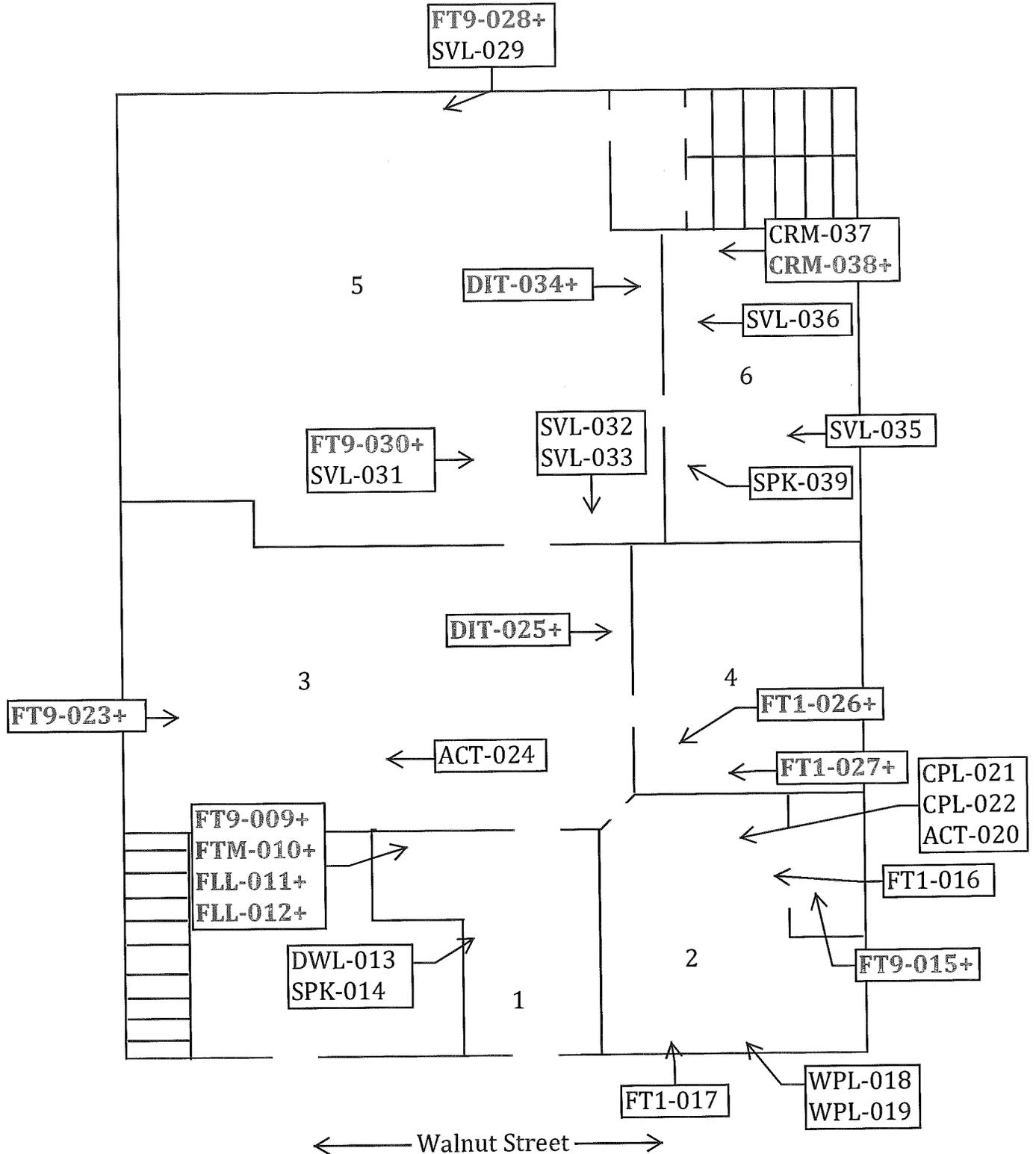
Paradigm appreciates this opportunity to provide you with our professional services. If you have any questions, please feel free to contact me at (585) 647-2530.


Mary Dohr
Asbestos Operations Manager
Paradigm Environmental Services, Inc.
mdohr@paradigmenv.com

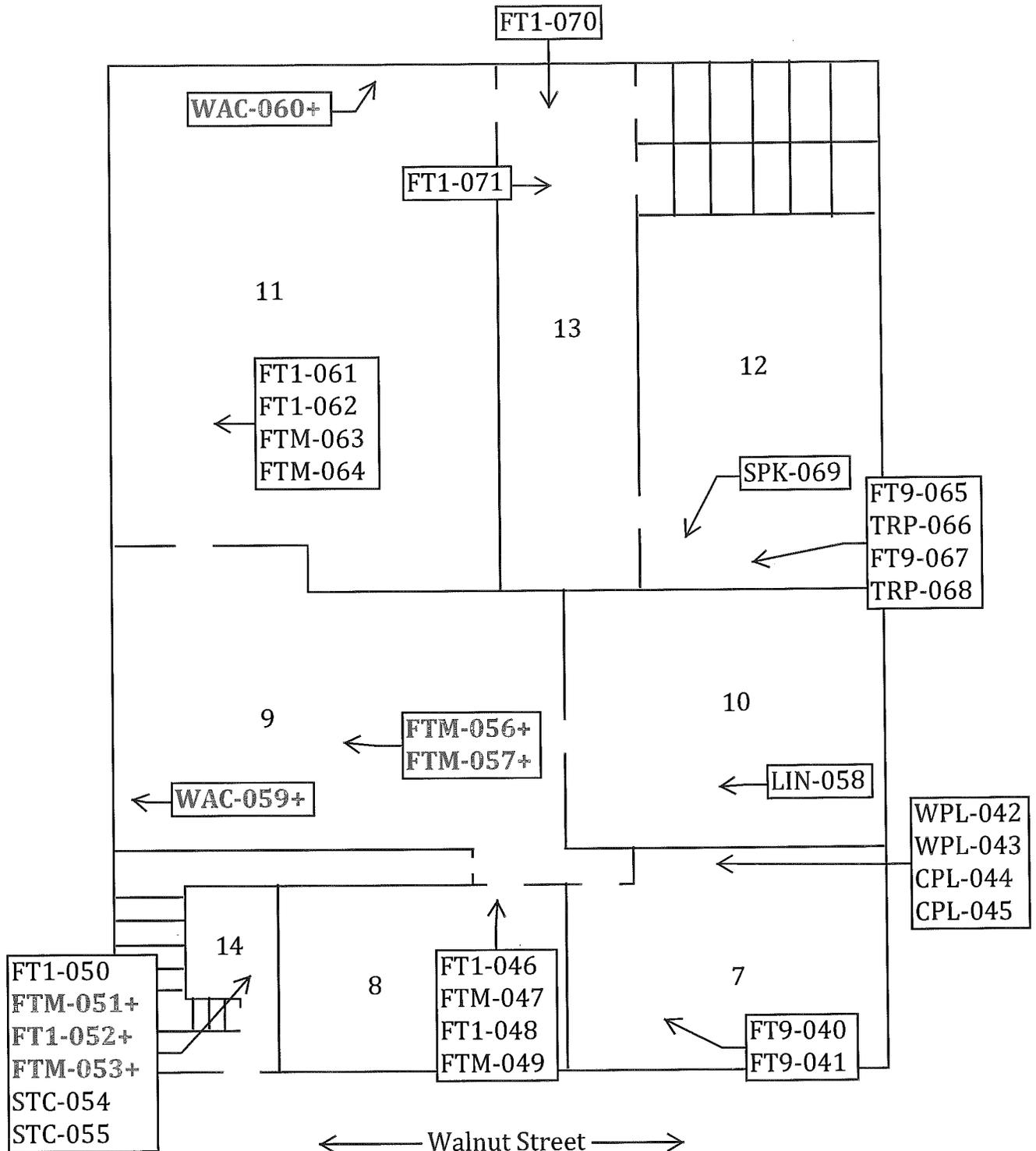
CLIENT: City of Rochester
LOCATION: 74 Walnut Street
AREA: Basement
DATE: October 16, 2014
JOB NUMBER: 14-1099



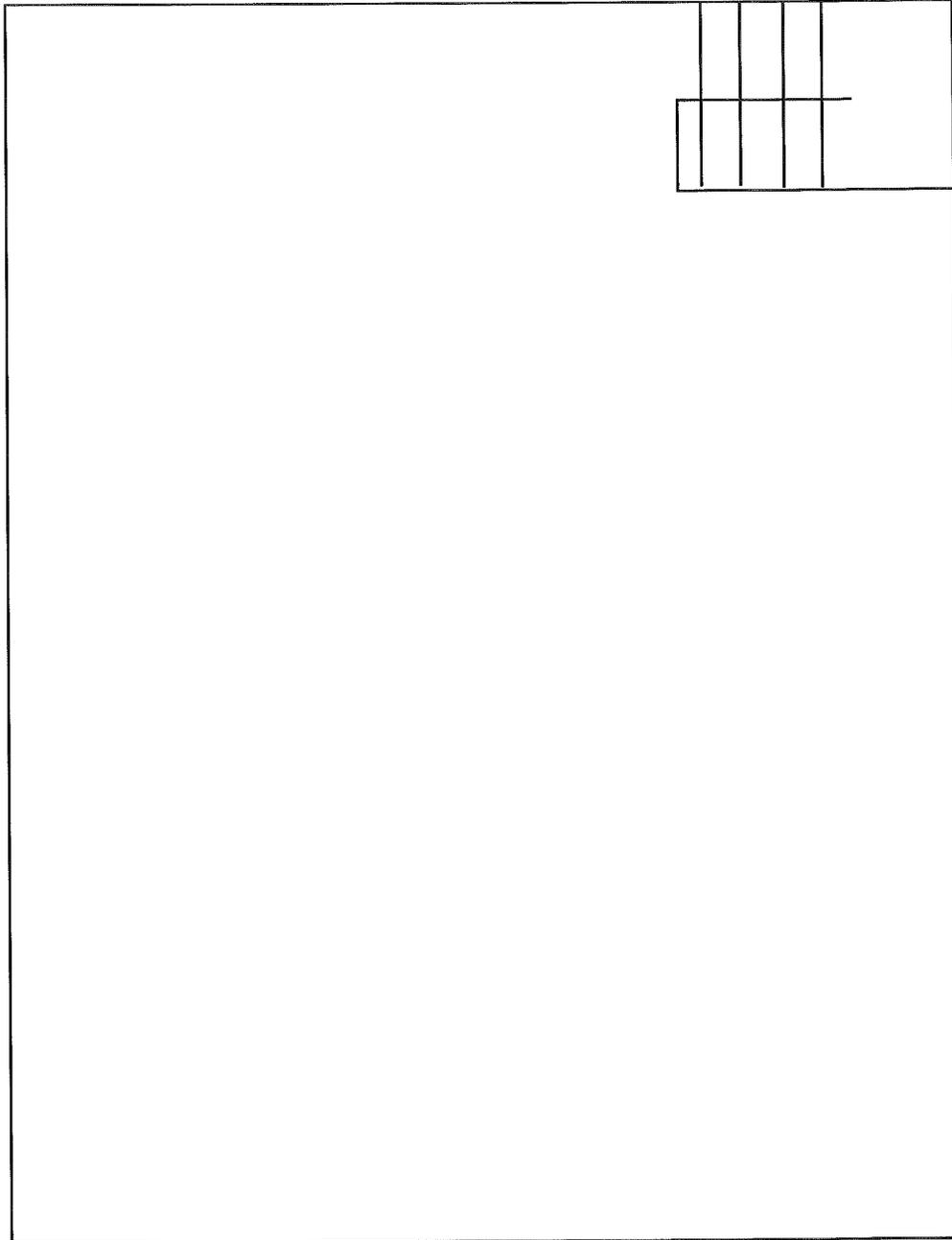
CLIENT: City of Rochester
LOCATION: 74 Walnut Street
AREA: 1st Floor
DATE: October 16, 2014
JOB NUMBER: 14-1099



CLIENT: City of Rochester
LOCATION: 74 Walnut Street
AREA: 2nd Floor
DATE: October 16, 2014
JOB NUMBER: 14-1099

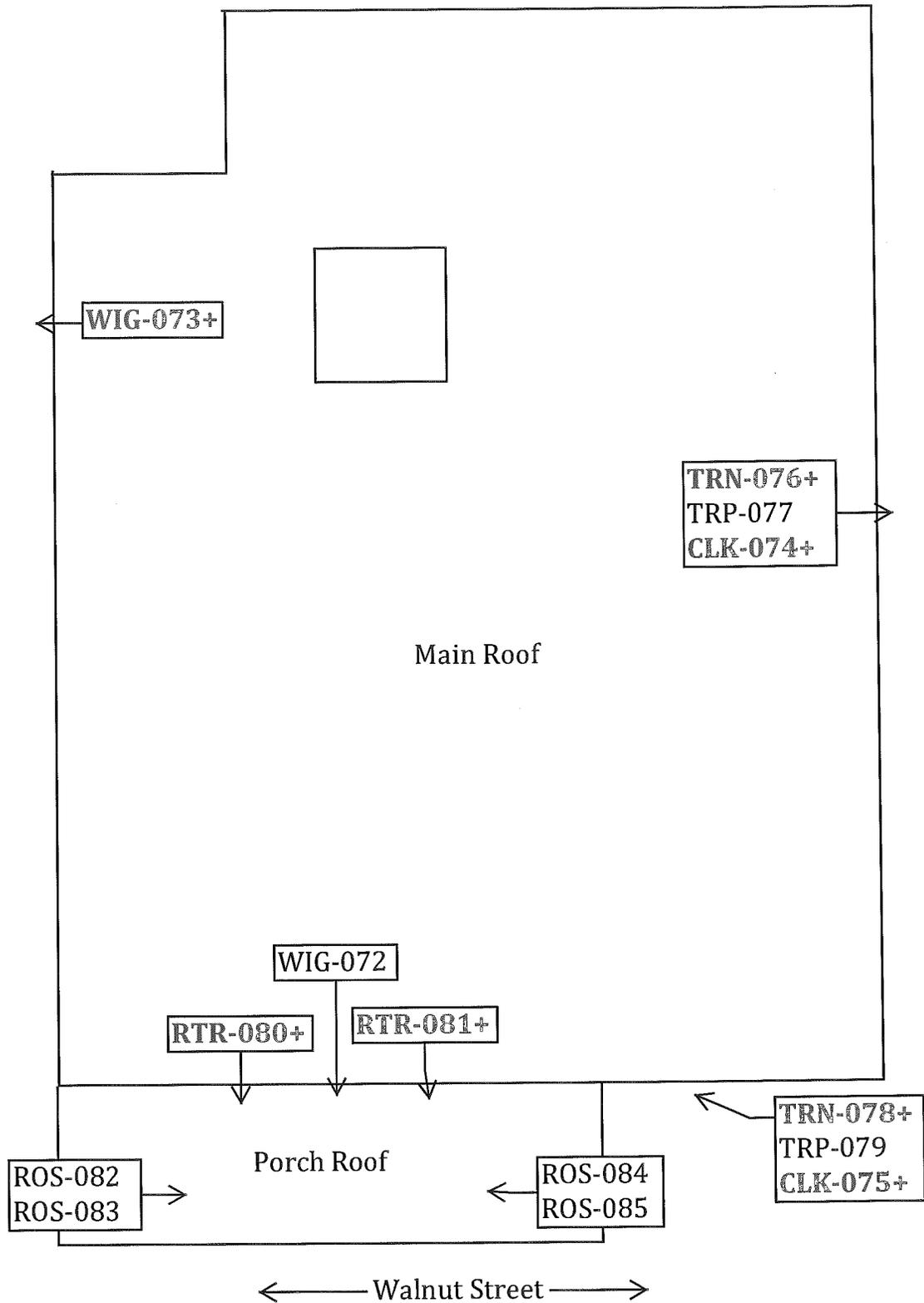


CLIENT: City of Rochester
LOCATION: 74 Walnut Street
AREA: Attic
DATE: October 16, 2014
JOB NUMBER: 14-1099



← Walnut Street →

CLIENT: City of Rochester
LOCATION: 74 Walnut Street
AREA: Exterior
DATE: October 16, 2014
JOB NUMBER: 14-1099





PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11503-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
DIT-001	77716	On Duct Work	Gray Duct Insulation Tape	Chrysotile 5%	5%		Not Required	N/A	None Detected	95%
SVL-002	77717	Stairwell on Stair Tread 1st Layer	White/Gray Sheet Vinyl	Chrysotile 4%	4%	√	Not Required	N/A	None Detected	96%
SVL-003	77718	Stairwell on Stair Tread 1st Layer	White/Gray Sheet Vinyl	Chrysotile 4%	4%	√	Not Required	N/A	None Detected	96%
SVL-004	77719	Stairwell on Stair Tread 2nd Layer	White/Brown Sheet Vinyl	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
WPL-005	77720	Stairwell Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-006	77721	Stairwell Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-007	77722	Stairwell Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	77723	Stairwell Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%



Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

√ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

ENVVOY

environmental consultants, inc.
57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client:	City of Rochester	Contact:	Chuck Fox
Phone Number:	428-6422	SEND ANALYTICAL DATA TO CLIENT:	YES <input type="checkbox"/> NO <input type="checkbox"/>
Email Results To Inspector:	C. Enright	Fax Number or email address of client:	
Date Sampled:	10/16/14	Email Other Than Client:	
Project Address:	74 Walnut St, Rochester	Turn Around Time:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Job Ticket #:	79754	Project Number:	141099

Job #:	11503-14
Page _____ of _____	
Date Logged In:	10/17/14
Logged In By:	KS
	104911COC

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	DIT-001	77716 on ductwork		Grey		DIT	F
2	SVL-002	717 stairwell, on stair tread, 1st layer		WHT/Grey		SVL	NF
3	SVL-003	718 " " "		"		"	"
4	SVL-004	719 " 2nd "		WHT/Brown		"	"
5	WPL-005	720 stairwell, walls		Paint		WPL	F
6	WPL-006	721 " "		Grey		"	"
7	CPL-007	722 stairwell, ceiling		Paint		CPL	"
8	CPL-008	723 " "		Grey		"	"
9							
10							

General Location: Basement

Sampled By: CE/GS Date: 10/16/14

Transported to: CE Date: 10/16/14

Paradigm By: KS Date: 10/17/14

Received By: KS Date: 10/17/14

CHECK ONE: SURVEY BULK SAMPLES

CHECK TO AUTOMATICALLY PERFORM TEM ON NDBS or provide TEM contact name: _____

TOTAL NUMBER OF SAMPLES IN SURVEY: _____ Estimated at 85

sent to QMMA 12.19.14
RW



PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11504-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT9-009	77724	Room 1, Floor in Corner	Tan 9"x9" Floor Tile	Chrysotile 3.1%	3.1%	✓	Not Required	N/A	None Detected	96.9%
FTM-010	77725	Room 1, Floor in Corner	Black Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 7.7%	7.7%	None Detected	92.3%
FLL-011	77726	Room 1, Floor in Corner	Tan Floor Leveler	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 8.5%	8.5%	None Detected	91.5%
FLL-012	77727	Room 1, Floor in Corner	Tan Floor Leveler	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 3%	3%	None Detected	97%
DWL-013	77728	Room 1, 2 Walls	Gray Drywall	None Detected	0%		Not Required	N/A	None Detected	100%
SPK-014	77729	Room 1, 2 Walls	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
FT9-015	77730	Room 2, Closet Floor	Brown 9"x9" Floor Tile	Chrysotile 3.2%	3.2%	✓	Not Required	N/A	None Detected	96.8%
FT1-016	77731	Room 2, Floor	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FT1-017	77732	Room 2, Floor	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

✓ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

✓ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

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CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Job #: 11504-14
 Page _____ of _____
 Date Logged In: 10/17/14
 Logged In By: KS
2 of 2 COC

Contact: Chuck Fox
 SEND ANALYTICAL DATA TO CLIENT: YES NO
 Fax Number or email address of client:
 Email Other Than Client:
 Turn Around Time: 1 2 3 5 Immed
 Project Number: 1411099

Client: City of Rochester
 Phone Number: 428-6922
 Email Results To Inspector: C. Enright
 Date Sampled: 10/16/14
 Project Address: 74 Walnut st, Rochester
1st Floor

Client Mailing Address:
30 Church st
Rochester NY 14614
 Job Ticket #: 79754
 Project Location:

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1 FT9-009	77724	Rm 1, Floor in corner		TAN	9x9	FT9	NF
2 FTM-010	725	"		BLK		FTM	"
3 FLL-011	726	"	BLK mastic	TAN		FLL	"
4 FLL-012	727	"	"	"		"	"
5 DWL-013	728	Rm 1, 2 walls		GRY		DWL	F
6 SPK-014	729	"	Paint	WHT		SPK	"
7 FT9-015	730	Rm 2, Closet floor		BRN	9x9	FT9	NF
8 FTI-016	731	Rm 3, Floor		TAN	12x12	FTI	"
9 FTI-017	732	"		"	"	"	"
10							

General Location: 1st Floor

Sampled By: CE | GS Date: 10/16/14
 Transported to Paradigm By: CE Date: 10/16/14
 Received By: KS Date: 10/17/14

CHECK ONE: SURVEY BULKS ONLY
 CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:
 TOTAL NUMBER OF SAMPLES IN SURVEY: 85 Estimated at 85



PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11505-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WPL-018	77733	Room 2 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-019	77734	Room 2 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
ACT-020	77735	Room 2 Ceiling	Tan 1'x1' Adhered Ceiling Tile	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-021	77736	Room 2 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-022	77737	Room 2 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
FT9-023	77738	Room 3 Floor	Brown 9"x9" Floor Tile	Chrysotile 1.2%	1.2%	✓	Not Required	N/A	None Detected	98.8%
ACT-024	77739	Room 3 Ceiling	Tan 1'x1' Adhered Ceiling Tile	None Detected	0%		Not Required	N/A	None Detected	100%
DIT-025	77740	Room 3 Duct In Wall	Gray Fibrous Duct Insulation Tape	Chrysotile 40%	40%		Not Required	N/A	None Detected	60%
FT1-026	77741	Room 4 Floor	White Fibrous 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 11%	11%	None Detected	89%
FT1-027	77742	Room 4 Floor	White 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 9.8%	9.8%	None Detected	90.2%



Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

⚠ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

✓ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Job #: 11505-14
 Page _____ of _____
 Date Logged In: 10/17/14
 Logged In By: KS
3 of 11 COC

Contact: Chuck Fox
 SEND ANALYTICAL DATA TO CLIENT: YES NO
 Fax Number or email address of client:
 Email Other Than Client:
 Turn Around Time: 1 2 3 5 Immed
 Project Number: 141099

Client: City of Rochester
 Phone Number: 428-6922
 Email Results To Inspector: C. Enright
 Date Sampled: 10/16/14
 Project Address: 74 Walnut St, Rochester
 1st Floor

Client Mailing Address:
30 Church St
Rochester NY 14614
 Job Ticket #: 79754
 Project Location:

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	WPL-018	Rm 2 walls	Paint	WHT		WPL	F
2	WPL-019	"		GRY		"	"
3	ACT-030	Rm 2, Ceiling		TAN	1x1	ACT	"
4	CPL-031	"	Paint	WHT		CPL	"
5	CPL-032	"		GRY		"	"
6	FT9-033	Rm 3 Floor		BRN	9x9	FT9	NF
7	ACT-034	Rm 3, Ceiling		TAN	1x1	ACT	F
8	DIF-035	Rm 3, duct in wall		GRY		DIF	"
9	FTI-036	Rm 4, Floor		WHT	12x12	FTI	NF
10	FTI-037	"		"	"	"	"

General Location: 1st Floor

Sampled By: CE/CS Date: 10/16/14
 Transported to Paradigm By: CE Date: 10/16/14
 Received By: KS Date: 10/17/14

CHECK ONE: SURVEY BULK SAMPLES ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:
 TOTAL NUMBER OF SAMPLES IN SURVEY: 85 Estimated at 85

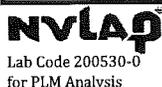


PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11506-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix %
FT9-028	77743	Room 5 Floor 1st Layer	White Fibrous 9"x9" Floor Tile	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 15%	15%	None Detected	85%
SVL-029	77744	Room 5 Floor 2nd Layer	Tan/Black Sheet Vinyl	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FT9-030	77745	Room 5 Floor 1st Layer	White Fibrous 9"x9" Floor Tile	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 14%	14%	None Detected	86%
SVL-021	77746	Room 5 Floor 2nd Layer	Tan/Black Sheet Vinyl	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
SVL-032	77747	Room 5 Floor in Corner	Gray Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
SVL-033	77748	Room 5 Floor in Corner	Gray Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
DIT-034	77749	Room 5 Duct in Wall	Gray Fibrous Duct Insulation Tape	Chrysotile 15.4%	15.4%	✓	Not Required	N/A	None Detected	84.6%
SVL-035	77750	Room 6 Floor 1st Layer	White/Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
SVL-036	77751	Room 6 Floor 1st Layer	White/Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



ELAP ID No.: 10958

✓ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

✓ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

ENVOY

environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608

585.454.1080 • Fax 585.454.1062

Client: City of Rochester

Phone Number: 438-6922

Email Results To Inspector: C. Eyring

Call Client:

Contact: Chuck Fox

SEND ANALYTICAL DATA TO CLIENT: YES NO

Fax Number or email address of client:

Email Other Than Client:

Date Sampled: 10/16/14

Turn Around Time: 1 2 3 5 Immed

Project Address: 74 Walnut St, Rochester

Project Number: 141099

General Location: 1st Floor

Job #: 1150674

Page of

Date Logged In: 10/17/14

Logged By: KS

14 of 100 C

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Fraility
1	FT9-038	Rm 5, Floor, 1st layer		WHT	9x9	FT9	NF
2	SVL-039	" " 2nd "		TAN/BLE		SVL	"
3	FT9-030	" " 1st "		WHT	9x9	FT9	"
4	SVL-031	" " 2nd "		TAN/BLE		SVL	"
5	SVL-032	Rm 5, Floor in Corner		GRY		SVL	"
6	SVL-033	" "		"		"	"
7	DIT-034	Rm 5, duct in wall		GRY		DIT	F
8	SVL-035	Rm 6, Floor, 1st layer		WHT/TAN		SVL	NF
9	SVL-036	" "		"		"	"
10							

Sampled By: CE | GS Date: 10/16/14

Transferred to Paradigm By: CE Date: 10/16/14

Received By: KS Date: 10/17/14

CHECK ONE: SURVEY BULKS ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 85 Estimated at 85

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

ENVOY

environmental consultants, Inc.
57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client:	City of Rochester	Contact:	Chuck Fox
Phone Number:	428-6922	SEND ANALYTICAL DATA TO CLIENT:	YES <input type="checkbox"/> NO <input type="checkbox"/>
Email Results To Inspector:	C. Enright	Fax Number or email address of client:	
Date Sampled:	10/16/14	Email Other Than Client:	
Project Address:	74 Walnut St, Rochester	Turn Around Time:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Job Ticket #:	79754	Project Number:	14/1099

Job #:	11507-14
Page	of
Date Logged In:	10/17/14
Logged In By:	KS
	Sdf JCOR

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Fiability
1 CRM-037	77752	walls around hub	wallpaper, paint	BRN		CRM	NE
2 CRM-038	753	"	"	"		"	"
3 SPR-039	754	Ceiling	Paint	WHT		SPK	F
4							
5							
6							
7							
8							
9							
10							

General Location: 1st Floor - Rm 6

Sampled By: CE | GS Date: 10/16/14

Transported to Paradigm By: CE Date: 10/16/14

Received By: KS Date: 10/17/14

CHECK ONE: SURVEY BULKS ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name: TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at 85



PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11508-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix %
FT9-040	77755	Room 7 Floor	Tan 9"x9" Floor Tile	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FT9-041	77756	Room 7 Floor	Tan 9"x9" Floor Tile	Inconclusive No Asbestos Detected	0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
WPL-042	77757	Room 7 Walls	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-043	77758	Room 7 Walls	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-044	77759	Room 7 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-045	77760	Room 7 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
FT1-046	77761	Room 8 Floor 1st Layer	Black 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FTM-047	77762	Room 8 Floor 1st Layer	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
FT1-048	77763	Room 8 Floor 1st Layer	Black 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	<1.0%	√	None Detected	<1.0%	None Detected	100%
FTM-049	77764	Room 8 Floor 1st Layer	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

√ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.")

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

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ENVOY

environmental consultants, inc.
57 Ambrose St, Rochester, NY 14608
585.454.1060 • Fax 585.464.1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client:	City of Rochester		Contact:	Chuck Fox	
Phone Number:	438-6922		SEND ANALYTICAL DATA TO CLIENT:	YES <input type="checkbox"/>	No <input type="checkbox"/>
Email Results To Inspector:	C. Enright		Fax Number or email address of client:		
Date Sampled:	10/16/14		Call Client:	<input type="checkbox"/>	
Project Address:	74 Walnut St, Rochester		Turn Around Time:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>	
Client Mailing Address:	30 Church St Rochester NY 14614		Email Other Than Client:	<input type="checkbox"/>	
Job Ticket #:	79754		Project Number:	141099	

Job #:	11508-14	
Page	of	
Date Logged In:	10/17/14	
Logged In By:	KS 6:54 PM 11/11/14	

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Triability
1	FT9-040	Rm 7, Floor		Tan	9x9	FT9	NF
2	FT9-041	" "		"	"	"	"
3	WPL-042	" Walls	Paint	WHT		WPL	F
4	WPL-043	" "		GRY		"	"
5	CPL-044	" Ceiling	Paint	WHT		CPL	"
6	CPL-045	" "		GRY		"	"
7	FTT-046	Rm 8, Floor, 1st layer		Blk	12x12	FTT	NF
8	FTM-047	" "		Tan		FTM	"
9	FTM-048	" "		Blk	12x12	FTI	"
10	FTM-049	" "		Tan		FTM	"

General Location: 2nd Floor

Sampled By: CE | GS Date: 10/16/14

Transported to Paradigm By: CE Date: 10/16/14

Received By: KS Date: 10/17/14

Estimated at: 85

CHECK ONE: SURVEY BULK ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name: TOTAL NUMBER OF SAMPLES IN SURVEY: 10

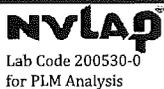


PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11509-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT1-050	77765	Room 14 Floor Bottom Landing	Tan 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FTM-051	77766	Room 14 Floor Bottom Landing	Black Floor Tile Mastic	Chrysotile 5.7%	5.7%	✓	Not Required	N/A	None Detected	94.3%
FT1-052	77767	Room 14 Floor Bottom Landing	Brown 12"x12" Floor Tile	Chrysotile 1.2%	1.2%	✓	Not Required	N/A	None Detected	98.8%
FTM-053	77768	Room 14 Floor Bottom Landing	Black Floor Tile Mastic	Chrysotile 9.8%	9.8%	✓	Not Required	N/A	None Detected	90.2%
STC-054	77769	Room 14 Bottom Landing Ceiling	White Stucco	None Detected	0%		Not Required	N/A	None Detected	100%
STC-055	77770	Room 14 Bottom Landing Ceiling	White Stucco	None Detected	0%		Not Required	N/A	None Detected	100%
FTM-056	77771	Room 9 Floor	Black Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 1.8%	1.8%	None Detected	98.2%
FTM-057	77772	Room 9 Floor	Black Floor Tile Mastic	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 8.0%	8.0%	None Detected	92%
LIN-058	77773	Room 10 Floor 2nd Layer	White/Black Linoleum	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



ELAP ID No.: 10958

⚠ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

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denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

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ENVOY

environmental consultants, inc.
57 Ambrose St, Rochester, NY 14608
585.454.1090 * Fax 585.454.1092

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client:	City of Rochester	Contact:	Chuck Fox
Phone Number:	488-6922	SEND ANALYTICAL DATA TO CLIENT:	YES <input type="checkbox"/> NO <input type="checkbox"/>
Email Results To Inspector:	C. Enright	Fax Number or email address of client:	
Date Sampled:	10/16/14	Email Other Than Client:	<input type="checkbox"/>
Project Address:	74 Walnut St, Rochester	Turn Around Time:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Job Ticket #:	79754	Project Number:	141099

Job #:	11509-14
Page	of
Date Logged In:	10/17/14
Logged In By:	KS
	707 & Coc

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1 FT-050	77765	Rm 14, Floor bottom landing		TAN	13x12	FTI	NF
2 FTM-051	766	" "		Blk		FTM	"
3 FT-052	767	" "		Ben	12x12	FTI	"
4 FTM-053	768	" "		Blk		FTM	"
5 STC-054	769	Rm 14, bottom landing ceiling		Paint		Stucco	F
6 STC-055	770	" "		Paint/Plaster		"	"
7 FTM-056	771	Rm 9, Floor		Blk		FTM	NF
8 FTM-057	772	" "		"		"	"
9 LIN-058	773	Rm 10, Floor, 2nd layer		Wh/Blk		LIN	"
10							

General Location: 2nd Floor

Sampled By: CE/GS Date: 10/16/14

Transported to: CE Date: 10/16/14

Paradigm By: CE Date: 10/16/14

Received By: Date:

CHECK ONE: SURVEY BULK SAMPLES ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at 85

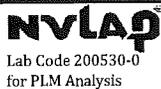


PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11510-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WAC-059	77774	Room 9 Along Wood Window Frames	Tan Wall Caulk	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 2.4%	2.4%	None Detected	97.6%
WAC-060	77775	Room 11 Along Wood Window Frames	Tan Wall Caulk	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Chrysotile 8.9%	8.9%	None Detected	91.1%
FT1-061	77776	Room 11 Floor, 1st Layer	Gray 12"x2" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT1-062	77777	Room 11 Floor, 1st Layer	Gray 12"x2" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FTM-063	77778	Room 11 Floor, 1st Layer	Tan Floor Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FTM-064	77779	Room 11 Floor, 2nd Layer	Tan Floor Tile Mastic	Trace Chrysotile <1.0%	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%



ELAP ID No.: 10958

⚠ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

✓ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

ENVOY

environmental consultants, inc.
57 Ambrose St, Rochester, NY 14608
585.454.1060 • Fax 585.454.1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client: <u>City of Rochester</u>	Contact: <u>Chuck Fox</u>	Job #: <u>11510-14</u>
Phone Number: <u>438-6922</u>	SEND ANALYTICAL DATA TO CLIENT: YES <input type="checkbox"/> NO <input type="checkbox"/>	Page _____ of _____
Email Results To Inspector: <u>C. Enright</u>	Fax Number or email address of client:	Date Logged In: <u>10/17/14</u>
Date Sampled: <u>10/16/14</u>	Email Other Than Client: <input type="checkbox"/>	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Project Address: <u>74 Walnut St, Rochester</u>	Project Number: <u>141099</u>	Logged In By: <u>KS</u>
General Location: <u>2nd Floor</u>		<u>8 of 8</u> COC

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Fraility
1	WAC-054	Rm 9 along wood window Frames	Paint	TAN		WAC	NF
2	WAC-060	Rm 11, National wood window Frames		"		"	"
3	FTI-061	Rm 11, Floor, 1st layer	masitic	GRAY	12x12	FTI	"
4	FTI-060	"		"		"	"
5	FTM-063	"		TAN		FTM	"
6	FTM-064	Rm 11, Floor, 2nd layer	Floor tile	BLK		FTM	"
7							
8							
9							
10							

Sampled By: CE/CS Date: 10/16/14

Transported to Paradigm By: CE Date: 10/16/14

Received By: KS Date: 10/17/14

CHECK ONE: SURVEY BULKS ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 85 Estimated at 85



PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11511-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT9-065	77780	Room 12 Floor Under Tub	Yellow 9"x9" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
TRP-066	77781	Room 12 Floor Under Tub	Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT9-067	77782	Room 12 Floor Under Tub	Yellow 9"x9" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
TRP-068	77783	Room 12 Floor Under Tub	Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
SPK-069	77784	Room 12 Shower Walls	White Spackle	Trace Chrysotile <1.0%	<1.0%		Not Required	N/A	None Detected	100%
FT1-070	77785	Room 13 Floor	Brown 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT1-071	77786	Room 13 Floor	Brown 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

✓ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

✓ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

ENVOY

environmental consultants, inc.
57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client:	City of Rochester	Contact:	Chuck Fox
Phone Number:	428-6922	SEND ANALYTICAL DATA TO CLIENT:	YES <input type="checkbox"/> NO <input type="checkbox"/>
Email Results To Inspector:	C. Enright	Fax Number or email address of client:	
Date Sampled:	10/16/14	Email Other Than Client:	
Project Address:	74 Walnut St, Rochester	Turn Around Time:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Job Ticket #:	79754	Project Number:	141099

Job #:	11511-14
Page:	11511-14
Date Logged In:	10/17/14
Logged In By:	KS11
	9 of 9 COC

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FT9-005	Rm 12, Floor under table		Ylw	9x9	FT9	NF
2	TRP-000	"		Blk		TRP	"
3	FT9-007	"		Ylw	9x9	FT9	"
4	TRP-008	"		Blk		TRP	"
5	SPK-009	Rm 12, Smoother walls		WHT		SPK	F
6	FTT-070	Rm 13, Floor		BRN	12x12	FTT	NF
7	FTT-071	"		"	"	"	"
8							
9							
10							

Sampled By:	CE/GS	Date:	10/16/14	CHECK ONE:	SURVEY <input checked="" type="checkbox"/>	BULKS ONLY <input type="checkbox"/>
Transported to Paradigm By:	CE	Date:	10/16/14	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:		
Received By:	KS	Date:	10/17/14	TOTAL NUMBER OF SAMPLES IN SURVEY:		Estimated at <input type="checkbox"/>



PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11512-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix %
WIG-072	77787	In Windows	White Window Glaze	Inconclusive No Asbestos Detected	0%	√	None Detected	<1.0%	None Detected	100%
WIG-073	77788	In Windows	White Window Glaze	Inconclusive Trace Chrysotile Detected	<1.0%	√	Chrysotile 6.6%	6.6%	None Detected	93.4%
CLK-074	77789	Around Window Frames	Gray Fibrous Caulk	Inconclusive Trace Chrysotile Detected	<1.0%	√	Chrysotile 10%	10%	None Detected	90%
CLK-075	77790	Along Transite Siding	Gray Fibrous Caulk	Inconclusive Trace Chrysotile Detected	<1.0%	√	Chrysotile 11%	11%	None Detected	89%
TRN-076	77791	Sides of House, 1st Layer	Gray Transite	Chrysotile 3.5%	3.5%	√	Not Required	N/A	None Detected	96.5%
TRP-077	77792	Sides of House, 2nd Layer	Black Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
TRN-078	77793	Sides of House, 1st Layer	Gray Transite	Chrysotile 2.8%	2.8%	√	Not Required	N/A	None Detected	97.2%
TRP-079	77794	Sides of House, 2nd Layer	Black Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	√	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
RTR-080	77795	Along House	Black Roofing Cement/Tar	Chrysotile 3.0%	3.0%	√	Not Required	N/A	None Detected	97%
RTR-081	77796	Along House	Black Roofing Cement/Tar	Inconclusive Trace Chrysotile Detected	<1.0%	√	Chrysotile 2.7%	2.7%	None Detected	97.3%



Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

√ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

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ENVOY

environmental consultants, inc.
57 Ambrose St, Rochester, NY 14608
585.454.1060 * Fax 585.454.1092

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client:	City of Rochester	Contact:	Chuck Fox
Phone Number:	438-6922	SEND ANALYTICAL DATA TO CLIENT:	YES <input type="checkbox"/> NO <input type="checkbox"/>
Email Results To Inspector:	C. Enright	Fax Number or email address of client:	
Date Sampled:	10/16/14	Email Other Than Client:	<input type="checkbox"/>
Job Ticket #:	79754	Turn Around Time:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Project Location:	74 Walnut St, Rochester	Project Number:	141099

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Fiability
1	WIE-072	in windows	Paint	WHT		WIE	NE
2	WIE-073	"	"	"		"	"
3	CLK-074	around window frames		GRY		CLK	"
4	CLK-075	along transite siding		"		"	"
5	TRD-076	sides of house 1st layer		GRY		TRD	"
6	TRP-077	" 2nd "		BLK		TRP	"
7	TRD-078	" 1st "		GRY		TRD	"
8	TRP-079	" 2nd "		BLK		TRP	"
9	RTR-080	along house	Shingle	BLK		RTR	"
10	RTR-081	"	"	"		"	"

General Location: Exterior

Sampled By: CE/GS Date: 10/16/14

Transported to Paradigm By: CE Date: 10/16/14

Received By: KS Date: 10/17/14

CHECK ONE: SURVEY BULK ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 85 Estimated at 85

Job #: 11812-14

Page 1 of 1

Date Logged In: 10/17/14

Logged In By: KS

10/10/11 CDC



PLM & TEM BULK ASBESTOS REPORT

Client: City of Rochester
Location: 74 Walnut Street
Rochester, New York
Sample Date: 10/16/2015

Job No: 11513-14
Page: 1 of 2

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
ROS-082	77797	1st Layer	White/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ROS-083	77798	2nd Layer	Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ROS-084	77799	1st Layer	White/Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ROS-085	77800	2nd Layer	Black Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%

NVLAP
Lab Code 200530-0
for PLM Analysis

ELAP ID No.: 10958

√ This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0), New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").

√ NOB (non-friable organically bound) Classified for Analytical Purposes Only.

denotes material analyzed by ELAP Method 198.4 and 198.6 per NYSDOH.

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM and TEM ANALYSIS PERFORMED BY AMA Analytical Services, Inc., original lab data on file (ELAP #10920)

PLM Date Analyzed: 12/31/2014

TEM Date Analyzed: 12/31/2014

Microscope: N/A

TEM Analyst: AMA Analytical Services, Inc.

Analyst: AMA Analytical Services, Inc.

Laboratory Results Approved By:
Asbestos Technical Director

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.

ENVOY

environmental consultants, inc.

57 Ambrose St, Rochester, NY 14608

585.454.1060 • Fax 585.454.1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client:	City of Rochester	Contact:	Chuck Fox
Phone Number:	428-6922	SEND ANALYTICAL DATA TO CLIENT:	YES <input type="checkbox"/> NO <input type="checkbox"/>
Email Results To Inspector:	C. Eyring	Fax Number or email address of client:	
Date Sampled:	10/16/14	Email Other Than Client:	
Project Address:	74 Walnut St, Rochester	Turn Around Time:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Job Ticket #:	79754	Project Number:	141099

Job #:	11513-14
Page	of
Date Logged In:	10/17/14
Logged In By:	KS
	110f11C0C

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1 ROS-082	77997	1st layer		WHIT/BLK		ROS	NE
2 ROS-083	798	2nd "		Blk/Blk		"	"
3 ROS-084	799	1st "		WHIT/Blk		"	"
4 ROS-085	850	2nd "		Blk/Blk		"	"
5							
6							
7							
8							
9							
10							

General Location: Exterior - Roof

Sampled By: CE | GS Date: 10/16/14

Transported to: CE Date: 10/16/14

Paradigm By: CE Date: 10/17/14

Received By: KS

CHECK ONE: SURVEY BULK SAMPLES ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at 85

Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527

LICENSE NUMBER: 28454

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 06/04/2014

EXPIRATION DATE: 06/30/2015

Duly Authorized Representative – Paul Mahoney:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Acting Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2015
Issued April 01, 2014



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby **APPROVED** as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

- | | |
|--------------------------------------|-------------------------------------------|
| Asbestos in Friable Material | Item 198.1 of Manual
EPA 600/M4/82/020 |
| Asbestos in Non-Friable Material-PLM | Item 198.6 of Manual (NOB by PLM) |
| Asbestos in Non-Friable Material-TEM | Item 198.4 of Manual |
| Lead in Dust Wipes | EPA 6010C |
| Lead in Paint | EPA 6010C |

Sample Preparation Methods

EPA 3050B
APP. 14.2, HUD JUNE 1995

Serial No.: 50447

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.
179 Lake Avenue
Rochester, NY 14608
Ms. Rebecca Roztocil
Phone: 585-647-2530 Fax: 585-647-3311
E-Mail: RRoztocil@paradigmenv.com
URL: <http://www.paradigmenv.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200530-0

NVLAP Code Designation / Description

18/A01	EPA 600/M4-82-020: Interim Method for 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

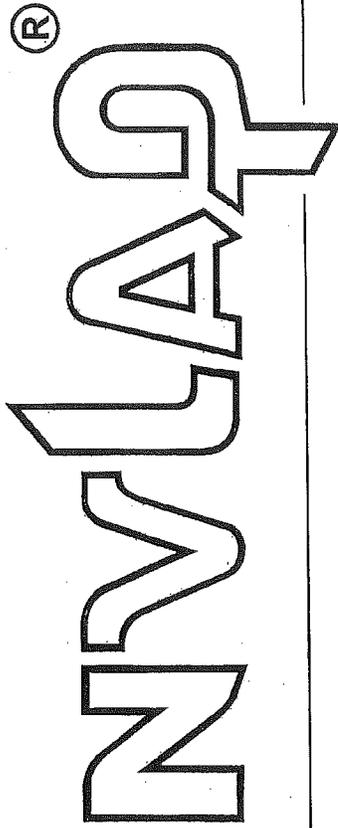
2014-07-01 through 2015-06-30

Effective dates

A handwritten signature in black ink, appearing to read "Rebecca Roztocil".

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

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

BULK ASBESTOS FIBER ANALYSIS

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

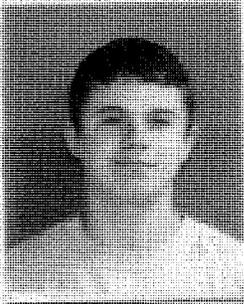
2014-07-01 through 2015-06-30

Effective dates



For the National Institute of Standards and Technology

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



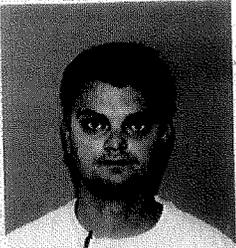
CHRISTOPHER R ENRIGHT
CLASS(EXPIRES)
D INSP(01/15) G SUPR(01/15)



CERT # 08-08803
DMV # 503150912

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



GEOFFREY R SIEBERT
CLASS(EXPIRES)
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CERT# 03-06811
DMV# 367209545

MUST BE CARRIED ON ASBESTOS PROJECTS

PRE-DEMOLITION ASBESTOS SURVEY

**143 GREGORY STREET
ROCHESTER, NEW YORK**

PREPARED FOR:

**CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614**

January 4, 2016



Prepared By: Angela Liddell

**CITY OF ROCHESTER
143 GREGORY STREET
ROCHESTER, NEW YORK**

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

Introduction

- Asbestos Survey
- Regulatory Review

Limitations

Conclusions

- Asbestos Containing Materials – Locations by Space and Quantification

Drawings

- Sample Locations

Photographs

- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

**CITY OF ROCHESTER
143 GREGORY STREET
ROCHESTER, NEW YORK**

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on December 16, 2015 at 143 Gregory Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story home with a basement with an attached garage.

New York State Department of Labor certified inspectors Lester Mottler and Kiel Liddell conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided as follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
 - a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
 - b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

**CITY OF ROCHESTER
143 GREGORY STREET
ROCHESTER, NEW YORK**

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 143 Gregory Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

**CITY OF ROCHESTER
143 GREGORY STREET
ROCHESTER, NEW YORK**

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Basement	*Pipe Insulation	Poor	Friable	90 Linear Feet
	*Pipe Insulation DEBRIS – clean-up of floor	Poor	Friable	6 Linear Feet
	*Flue Patch	Good	Friable	2 Square Feet
	Window Glaze	Good	NOB	2 Square Feet

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Front Porch	Wall Paneling -over- Wall Spackle/Skim Coat -over- Wood – (One Wall)	Good	Friable	105 Square Feet
	Window Glaze	Good	NOB	2 Square Feet
Living Room	Window Glaze	Good	NOB	4 Square Feet
Bathroom	Window Glaze	Good	NOB	1 Square Foot
Garage	Window Glaze	Good	NOB	2 Square Feet
	Roofing Debris Throughout Garage (Due to Roof Collapsed)	Poor	NOB	230 Square Feet
General Notes:	**Due to the disturbance of asbestos containing materials, within the Garage; must be cleaned as an emergency dust/debris clean-up. NYSDOL variance required.			

SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Bedroom 1	Window Glaze	Good	NOB	3 Square Feet
Hallway	Window Glaze	Good	NOB	2 Square Feet
Bedroom 2	Window Glaze	Good	NOB	3 Square Feet

GARAGE ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Roof 5: Roof Main	Black Tar/Felt -over- Black Rolled Roofing -over- Black Tar Removal All Layers as ACM	Poor	NOB	96 Square Feet

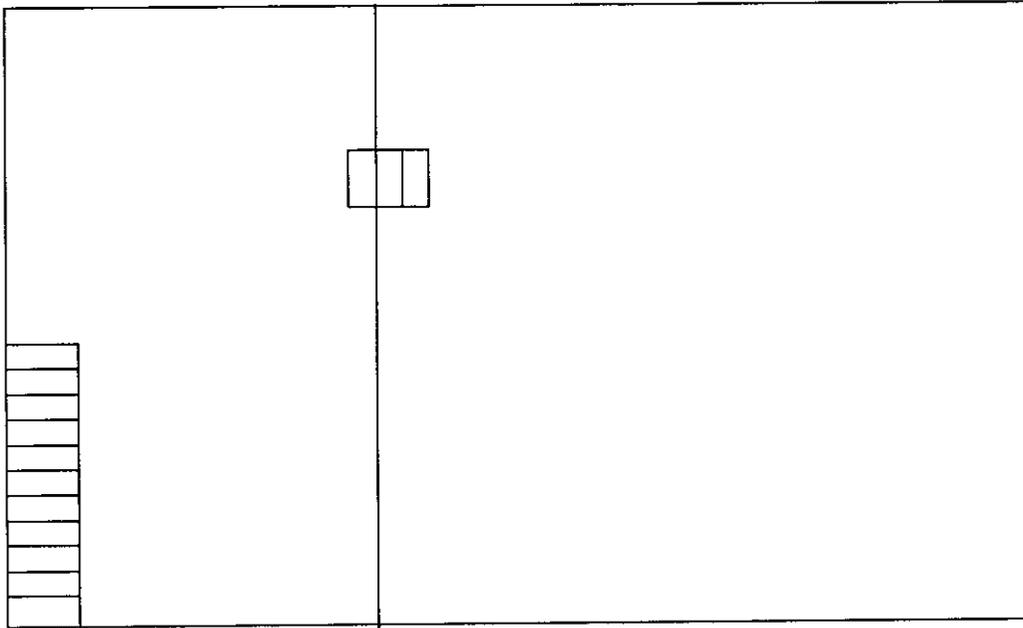
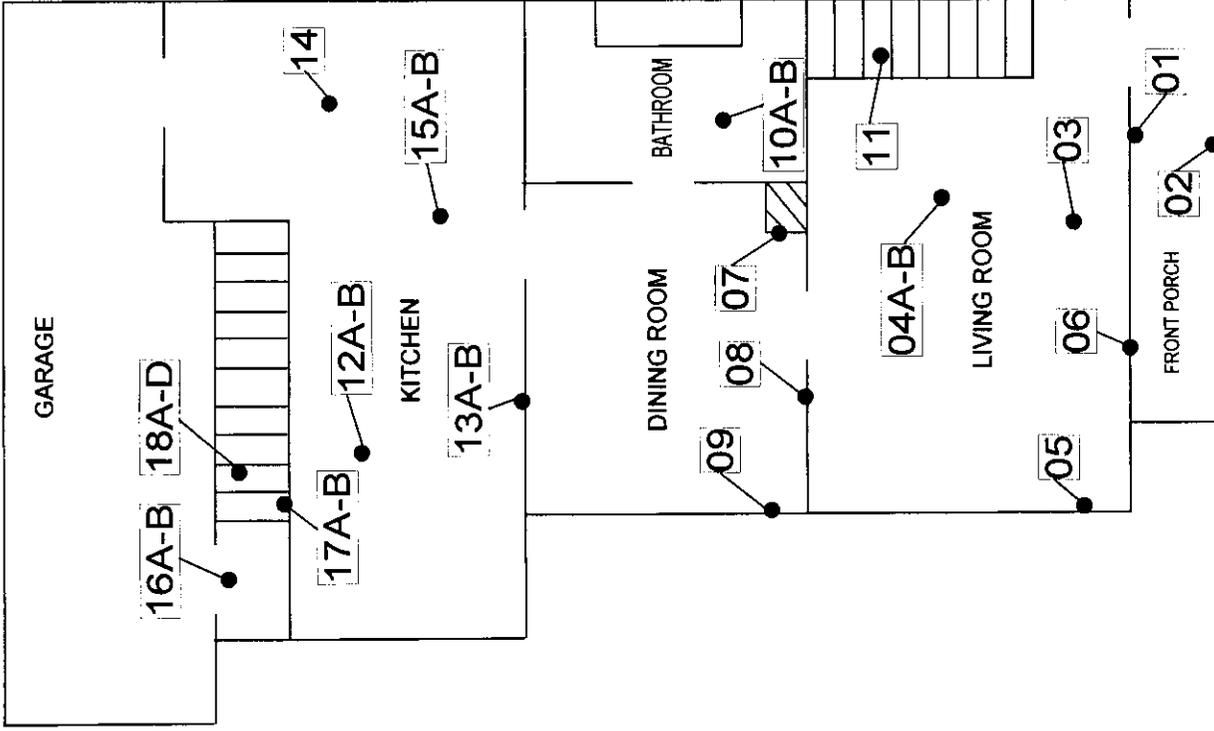
HOUSE ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout All Roofs	Black Tar Flashing on Chimney Vents, All Roof Edges, Dormers and Penetrations	Good	NOB	20 Square Feet

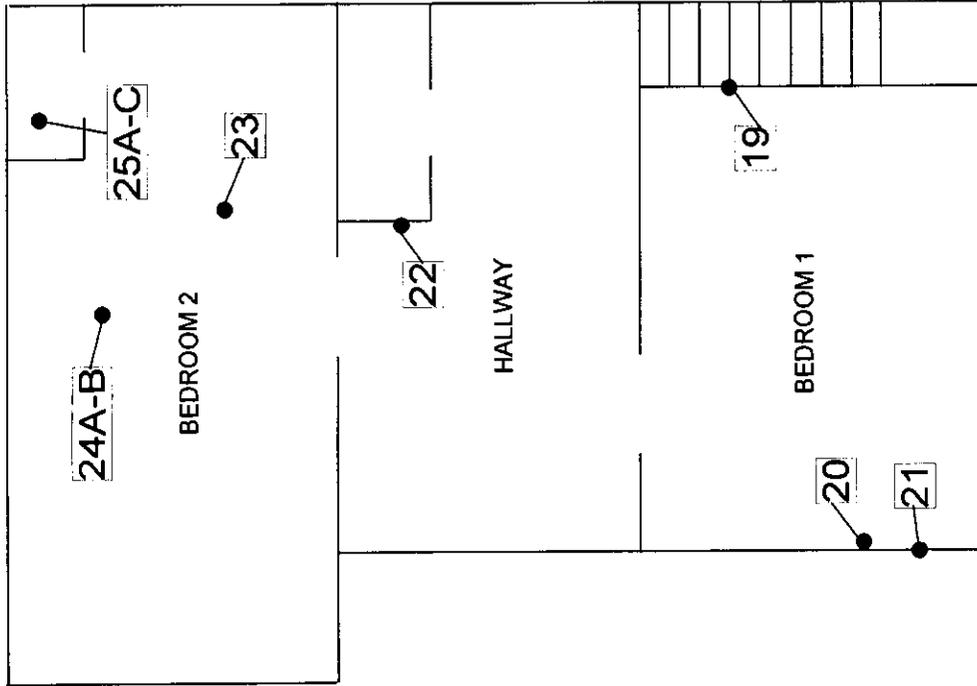
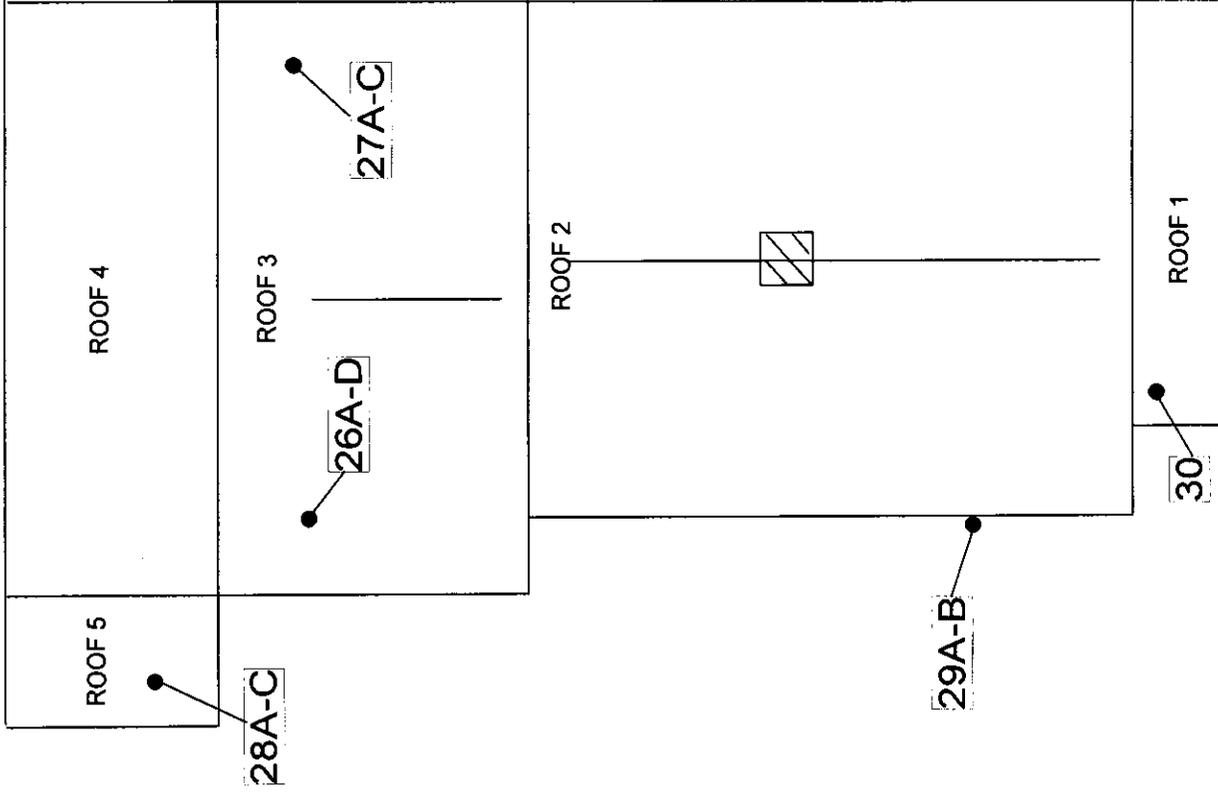
Notes:

- Condition: **Good** = No visible damage and/or very limited deterioration. **Fair** = visible damage or deterioration on less than 25% of the material. **Poor** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Duct seam tape and storm window caulk materials were not sampled and are presumed to be asbestos containing.

SAMPLE LOCATION DRAWINGS



**PRE-DEMOLITION ASBESTOS SURVEY
BASEMENT AND FIRST FLOOR
SAMPLE LOCATIONS**



PRE-DEMOLITION ASBESTOS SURVEY
 SECOND FLOOR AND ROOF
 SAMPLE LOCATIONS

**PHOTOGRAPHS
OF
ASBESTOS CONTAINING SAMPLES**

143 GREGORY STREET
ROCHESTER, NEW YORK



Figure 1: 143 Gregory Street, Rochester, New York



Figure 2: Front Porch - Sample No. 1: White Wall Spackle

143 GREGORY STREET
ROCHESTER, NEW YORK

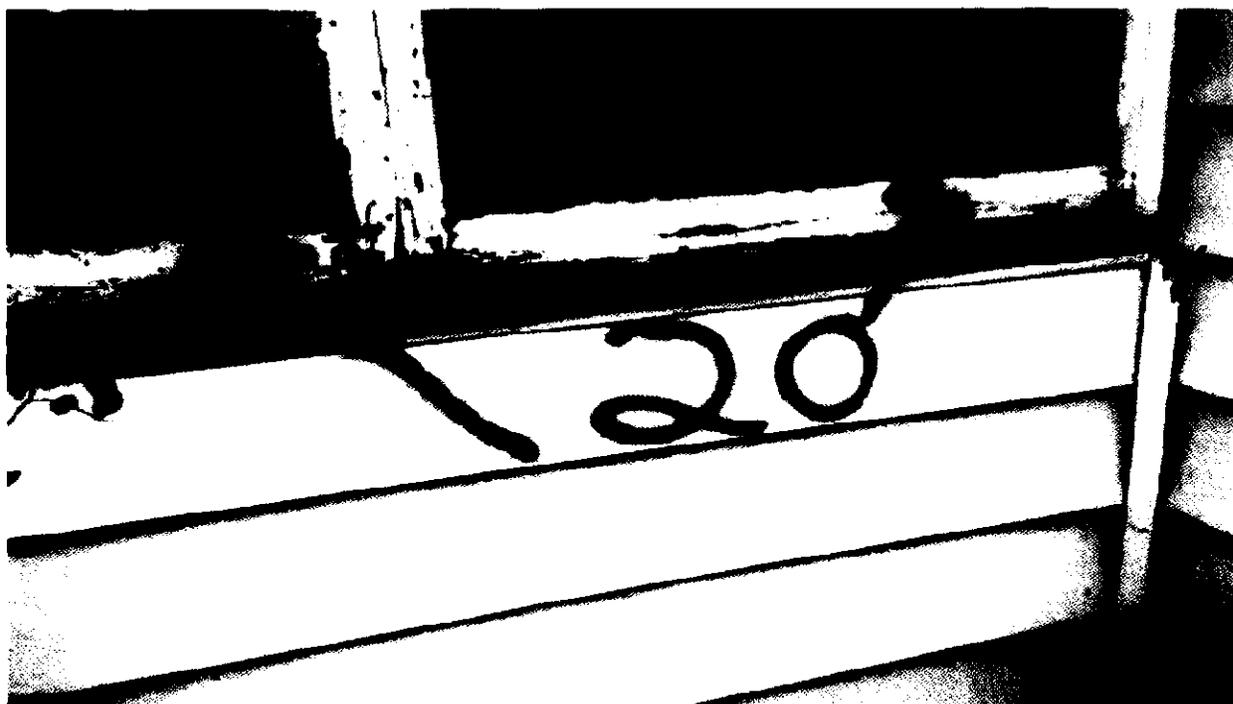


Figure 3: Bedroom 1- Sample No. 20: White Window Glaze

**LABORATORY ANALYTICAL RESULTS
AND
CHAINS OF CUSTODY**



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 47881
Date Received: 12/17/15
Report Date: 12/23/15
Analysis Date: 12/21/15

Attn: Chuck Fox

Page: 1 of 6

Project Site: 143 Gregory Street, Rochester, New York

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 12/16/15	Location: Interior/Exterior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 51

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NO	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
1	47881-1	Front Porch	White Wall Spackle	Chrysotile 1.6%	1.6%		F	None Detected 0%	98.4%	N/A
2	47881-2	Front Porch	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
3	47881-3	Living Room	White 2'x2' Textured Ceiling Tile	Inconclusive None Detected 0%	0%	*	F	Cellulose 20% Mineral Wool 15%	65%	NAD
4A	47881-4A	Living Room	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
4B	47881-4B	Living Room	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Animal Hair 8%	92%	N/A
5	47881-5	Living Room	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
6	47881-6	Living Room	White Storm Window Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
7	47881-7	Dining Room	Black Wall Panel Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
8	47881-8	Dining Room	Tan Wall Panel Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
9	47881-9	Dining Room	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

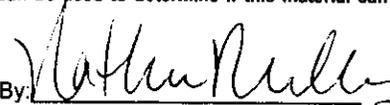
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



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Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 51

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
10A	47881-10A	Bathroom	Beige Ceramic Floor Tile Grout 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
10B	47881-10B	Bathroom	Tan Ceramic Floor Tile Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
11	47881-11	Bathroom Closet	Tan/Brown Sheet Vinyl	None Detected 0%	0%		F	Cellulose 50% Fiberglass 15%	35%	N/A
12A	47881-12A	Kitchen	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
12B	47881-12B	Kitchen	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 5%	95%	N/A
13A	47881-13A	Kitchen	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
13B	47881-13B	Kitchen	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
14	47881-14	Kitchen	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
15A	47881-15A	Kitchen	Beige Block Print Sheet Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
15B	47881-15B	Kitchen	Brown/Tan/White Sheet Vinyl/Sheet Vinyl Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

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N/A: Not applicable; TEM analysis not required

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Approved By: 
 J. DeNike Laboratory Director



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Page: 3 of 6

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Project Site: 143 Gregory Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 12/16/15	Location: Interior/Exterior	Analyst: N. Miller
Sampler: K. Liddell/L. Mottler	Type of Sample: Bulk Asbestos	Number of Samples: 51

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
16A	47881-16A	Stairwell/Entry to Basement	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
16B	47881-16B	Stairwell/Entry to Basement	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 5%	95%	N/A
17A	47881-17A	Stairwell/Entry to Basement	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
17B	47881-17B	Stairwell/Entry to Basement	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
18A	47881-18A	Stairwell/Entry to Basement	Gray 9"x9" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
18B	47881-18B	Stairwell/Entry to Basement	White Floor Tile Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
18C	47881-18C	Stairwell/Entry to Basement	Brown Sheet Vinyl 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
18D	47881-18D	Stairwell/Entry to Basement	Brown Sheet Vinyl Mastic 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
19	47881-19	Bedroom 1	Gray Wall Plaster	None Detected 0%	0%		F	None Detected 0%	100%	N/A
20	47881-20	Bedroom 1	White Window Glaze	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%	Chrysotile 4.4%

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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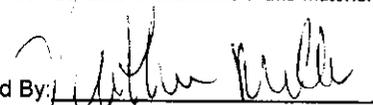
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21	47881-21	Bedroom 1	Gray Storm Window Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
22	47881-22	Hallway	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
23	47881-23	Bedroom 2	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
24A	47881-24A	Bedroom 2	Tan Sheet Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
24B	47881-24B	Bedroom 2	White Sheet Vinyl Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
25A	47881-25A	Bedroom 2 Closet	Beige Brick Print Sheet Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
25B	47881-25B	Bedroom 2 Closet	Brown Flooring 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
25C	47881-25C	Bedroom 2 Closet	Brown Flooring 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 10%	90%	Chrysotile Trace
26A	47881-26A	Roof 3 East Side Roof Main	Black/Tan Roof Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
26B	47881-26B	Roof 3 East Side Roof Main	Black/Dark Gray Roof Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

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 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By: *Nathan Miller*
 J. DeNike Laboratory Director



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Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOB	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
26C	47881-26C	Roof 3 East Side Roof Main	Black Rolled Roofing 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
26D	47881-26D	Roof 3 East Side Roof Main	Black Felt 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
27A	47881-27A	Roof 3 West Side Roof Main	Black/Dark Gray Roof Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
27B	47881-27B	Roof 3 West Side Roof Main	Black/Coarse Gray Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
27C	47881-27C	Roof 3 West Side Roof Main	Black Rolled Roofing 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
28A	47881-28A	Roof 5 Roof Main	Black Tar/Felt 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
28B	47881-28B	Roof 5 Roof Main	Black Rolled Roofing 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
28C	47881-28C	Roof 5 Roof Main	Black Tar 3rd Layer	Chrysotile 1.4%	1.4%		NOB	None Detected 0%	98.6%	N/A
29A	47881-29A	Exterior Wall	Black/Gray/White Asphalt Siding Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
29B	47881-29B	Exterior Wall	Black Felt Underlayment 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By: J. DeNik Laboratory Director T-P



Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester **Chain of Custody:** 530409
Address: 2011 East Main Street **Job Location:** 143 Gregory Street **Date Analyzed:** 12/29/2015
Rochester, New York 14609 **Job Number:** 47881 **Person Submitting:** Nathan Miller
Attention: Jeanne DeNik **P.O. Number:** Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type*	% Total Asbestos**	% Asbestos by PLM***	% Asbestos by TEM***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16038600	47881-2	Residue	NAD	N/A	NAD		11.7%	73.9%	14.4%			
16038601	47881-3	Residue	NAD	N/A	NAD		25.2%	7.4%	67.4%			
16038602	47881-6	Residue	NAD	N/A	NAD		23.3%	67.0%	9.7%			
16038603	47881-7	Residue	NAD	N/A	NAD		49.9%	3.6%	46.5%			
16038604	47881-8	Residue	NAD	N/A	NAD		66.9%	2.3%	30.8%			
16038605	47881-10B	Residue	NAD	N/A	NAD		48.3%	4.0%	47.7%			
16038606	47881-15A	Residue	NAD	N/A	NAD		81.1%	14.1%	4.8%			
16038607	47881-15B	Residue	NAD	N/A	NAD		68.2%	7.6%	24.2%			
16038608	47881-18A	Residue	NAD	N/A	NAD		40.9%	45.3%	13.8%			
16038609	47881-18B	Residue	NAD	N/A	NAD		19.8%	18.5%	61.7%			
16038610	47881-18C	Residue	NAD	N/A	NAD		66.4%	9.5%	24.1%			
16038611	47881-18D	Residue	NAD	N/A	NAD		20.7%	7.6%	71.7%			
16038612	47881-20	Residue	4.4%	N/A	4.4%	Chrysotile	10.1%	46.2%	39.3%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester **Chain of Custody:** 530409
Address: 2011 East Main Street **Job Location:** 143 Gregory Street **Date Analyzed:** 12/29/2015
 Rochester, New York 14609 **Job Number:** 47881 **Person Submitting:** Nathan Miller
Attention: Jeanne DeNike **P.O. Number:** Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16038613	47881-21	Residue	NAD	N/A	NAD		24.3%	66.7%	9.0%			
16038614	47881-24A	Residue	NAD	N/A	NAD		65.9%	5.9%	28.2%			
16038615	47881-24B	Residue	TR	N/A	TR	Chrysotile	19.5%	0.6%	79.7%			
16038616	47881-25A	Residue	NAD	N/A	NAD		22.7%	53.1%	24.2%			
16038617	47881-25B	Residue	NAD	N/A	NAD		66.4%	22.9%	10.7%			
16038618	47881-25C	Residue	TR	N/A	TR	Chrysotile	66.4%	3.1%	30.5%			
16038619	47881-26A	Residue	NAD	N/A	NAD		16.4%	44.0%	39.6%			
16038620	47881-26B	Residue	NAD	N/A	NAD		55.1%	7.2%	37.7%			
16038621	47881-26C	Residue	NAD	N/A	NAD		44.6%	9.5%	45.9%			
16038622	47881-26D	Residue	NAD	N/A	NAD		93.5%	0.7%	5.8%			
16038623	47881-27A	Residue	NAD	N/A	NAD		61.6%	10.3%	28.1%			
16038624	47881-27B	Residue	NAD	N/A	NAD		48.5%	8.4%	43.1%			
16038625	47881-27C	Residue	NAD	N/A	NAD		57.4%	7.2%	35.4%			

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Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester **Chain of Custody:** 530409
Address: 2011 East Main Street **Job Location:** 143 Gregory Street **Date Analyzed:** 12/29/2015
Rochester, New York 14609 **Job Number:** 47881 **Person Submitting:** Nathan Miller
Attention: Jeanne DeNike **P.O. Number:** Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16038626	47881-29A	Residue	TR	N/A	TR	Chrysotile	59.0%	30.7%	10.3%			
16038627	47881-29B	Residue	TR	N/A	TR	Chrysotile	96.6%	0.6%	2.8%			
16038628	BLANK F	Residue	NAD	N/A	NAD		72.8%	7.9%	19.3%			

* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.

** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"

*** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.



Technical Director: Andreas Saldívar Analyst(s): Ang Cao

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester Lab No.: 47881 Contacted Client _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 143 Gregory Street TEM: Yes No (T/R) 3
 Contact: Chuck Fox Rochester, New York
 Phone # _____ Fax # _____ Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
1	47881-1	Front Porch	White	W-spK			F	+	
2	-2	↓	Beige	Window Glaze			Nob	-	✓
3	-3	Living Room	2x2, White, Texture	Ceiling Tile			F	-	✓
4A	-4A		White	Ceiling Plaster		1	F	-	
4B	-4B		Grey	Ceiling Plaster		2	F	-	
5	-5	↓	White	W-spK			F	-	
6	-6		White	Storm Window Caulk			Nob	-	✓
7	-7	Dining Room	Black	Wall Panel Mastic			Nob	-	✓
8	-8	↓	Tan	Wall Panel Mastic			Nob	-	✓
9	-9		White	W-spK			F	-	

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* Relinquished By: *[Signature]*
 DATE: 12/15/15 TIME: 09:30
 DATE: 12/17/2015 TIME: 9:00

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester Sample Date: 12/16/2015 Lab No.: 47881 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 143 Gregory Street TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York

Phone # _____ Fax # _____ Samples: 51 Sampled By: K. Liddell, L.J. Mottler

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ -	TEM
10A	47881-10A	Bathroom	Beige	Ceramic Floor Tile Grout		1	F	-	
10B	-10B	↓	Tan	Ceramic Floor Tile Mastic		2	NOB	-	✓
11	-11	Bathroom Closet	Brown, Tan	Sheet Vinyl			F	-	
12A	-12A	Kitchen	White	Ceiling Plaster		1	F	-	
12B	-12B		Grey	Ceiling Plaster		2	F	-	
13A	-13A		White	Wall Plaster		1	F	-	
13B	-13B		Grey	Wall Plaster		2	F	-	
14	-14		White	C-spk			F	-	
15A	-15A		Block Print, Beige	Sheet Vinyl		1	NOB	-	✓
15B	✓ -15B	↓	Brown, Tan, White	Sheet Vinyl, SV Mastic		2	NOB	-	✓

Relinquished By: *Karl J. Liddell*
 TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* DATE: 12/17/15 TIME: 0930
 DATE: 12/17/2015 TIME: 9:00

Client: City of Rochester Sample Date: 12/16/2015 Lab No.: 47221 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day TEM: Yes No T/R
 Rochester, NY 14614 Location: 143 Gregory Street Rochester, New York
 Contact: Chuck Fox Samples: 51 Sampled By: K. Liddell, L.J. Mottler
 Phone # Fax #

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM + -
16A	47221-16A	Stairwell / Entry to Basement	White	Ceiling Plaster		1	F	-
16B	-16B		Grey	Ceiling Plaster		2	F	-
17A	-17A		White	Wall Plaster		1	F	-
17B	-17B		Grey	Wall Plaster		2	F	-
18A	-18A		Grey	9x9 Floor Tile		1	N0B	-
18B	-18B		White	Floor Tile Mastic		2	N0B	-
18C	-18C		Brown	Sheet Vinyl		3	N0B	-
18D	-18D		Brown	SV Mastic		4	N0B	-
19	-19	Bedroom 1	Grey	Wall Plaster			F	-
20	-20		White	Window Glaze			N0B	-

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* Relinquished By: *[Signature]*
 DATE: 12/16/15 TIME: 0930 DATE: 12/17/2015 TIME: 9:00

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester		Sample Date: 12/16/2015	Lab No.: 47881	Contacted Client:				
Address: 30 Church St.		Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day						
Rochester, NY 14614		Location: 143 Gregory Street						
Contact: Chuck Fox		Rochester, New York						
Phone #		Fax #	Samples: 51					
		Sampled By: K. Liddell, L.J. Mottler						
Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM + -
21	47881-21	Bedroom 1	Grey	Storm Window Caulk			NOB	✓
22	-22	Hallway	White	W-spk			F	
23	-23	Bedroom 2	White	C-spk			F	
24A	-24A	↓	Tan	Sheet Vinyl		1	NOB	✓
24B	-24B		White	SV Mastic		2	NOB	✓
25A	-25A	↓	Brick Print, Beige	Sheet Vinyl		1	NOB	✓
25B	-25B		Brown	Flooring		2	NOB	✓
25C	-25C		Brown	Flooring		3	NOB	✓
26A	-26A	↓	Black, Tan	Roof Shingle		1	NOB	✓
26B	-26B		Black, Dark Grey	Roof Shingle		2	NOB	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]*
 DATE: 12/18/15 TIME: 0930
 Relinquished By: *[Signature]*
 DATE: 12/17/2015 TIME: 9:00



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)-654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester		Sample Date: 12/16/2015	Lab No.: 47881	Contacted Client:				
Address: 30 Church St.		Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day						
Rochester, NY 14614		Location: 143 Gregory Street						
Contact: Chuck Fox		Rochester, New York						
Phone #	Fax #	Samples: 51						
Sampled By: K. Liddell, L.J. Mottler								
Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
26C	47881-26C	Roof 3 East Side - Roof Main	Black	Rolled Roofing		3	N0B3	✓
26D	-26D	↓	Black	Felt		4	N0B3	✓
27A	-27A	Roof 3 West Side - Roof Main	Black, Dark Grey	Roof Shingle		1	N0B3	✓
27B	-27B	↓	Black, Coarse Grey	Shingle		2	N0B3	✓
27C	-27C	↓	Black	Rolled Roofing		3	N0B3	✓
28A	-28A	Roof 5 - Roof Main	Black	Tar / Felt		1	N0B3	✓
28B	-28B	↓	Black	Rolled Roofing		2	N0B3	✓
28C	-28C	↓	Black	Tar		3	N0B3	f.
29A	-29A	Exterior Wall	Black, Grey, White	Asphalt Siding Shingle		1	N0B3	✓
29B	✓ -29B	↓	Black	Felt Underlayment		2	N0B3	✓

Relinquished By: *K. Liddell*

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY: *[Signature]*

DATE: 12/17/15 TIME: 0930

DATE: 12/17/2015 TIME: 9:00

CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434

LICENSE NUMBER: 29997

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 05/21/2015

EXPIRATION DATE: 05/31/2016

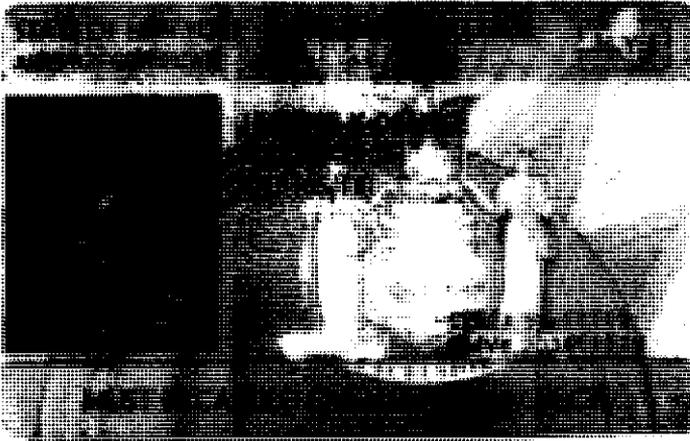
Duly Authorized Representative – Ronald A Arthurs:

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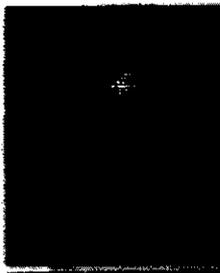
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Eileen M. Franko, Director
For the Commissioner of Labor



STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ANIRA M LIBELL
CLASS(EXPIRES)
D INSP(04/16) I PD (04/16)

CENT: 5-12334
STATE: 5-12334

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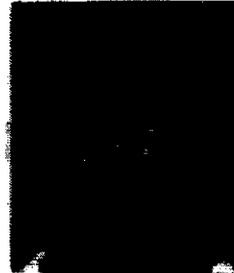
STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



LESTER J MOTTLER
CLASS(EXPIRES)
CATEC(04/16) D INSP(04/16)
H PM (04/16)

CENT: 5-12334
STATE: 5-12334

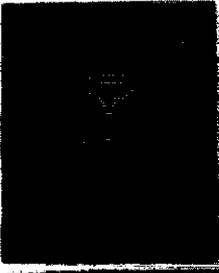
MUST BE CARRIED ON ASBESTOS PROJECTS



BON A ARONIS
CLASS(EXPIRES)
CATEC(07/16) D INSP(07/16)
H PM (07/16)

CENT: 5-12334
STATE: 5-12334

STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



KIEL D LIDELL
CLASS(EXPIRES)
CATEC(01/16) D INSP(01/16)
H PM (01/16)

CENT: 5-12334
STATE: 5-12334

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DANIEL G ZIEGLER
CLASS(EXPIRES)
CATEC(04/16) D INSP(04/16)
H PM (04/16) I PD (04/16)

CENT: 5-12334
STATE: 5-12334

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Fibers

NIOSH 7400 A RULES

Serial No.: 52562

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below.

Metals In

Lead, Total

EPA 7000B

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/20

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Lead in Dust Wipes

EPA 7000B

Lead in Paint

EPA 7000B

Sample Preparation Methods

EPA 600/R-83/200

ASTM E-1070-12

Serial No.: 52183

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised April 22, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 602 Public Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual
EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Serial No.: 52874

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-6570 to verify the laboratory's accreditation status.

PRE-DEMOLITION ASBESTOS SURVEY

**156 DEPEW STREET
ROCHESTER, NEW YORK**

PREPARED FOR:

**CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614**

REVISED APRIL 18, 2016



Prepared By: Angela Liddell

CITY OF ROCHESTER
156 DEPEW STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

Introduction

- Asbestos Survey
- Regulatory Review

Limitations

Conclusions

- Asbestos Containing Materials – Locations by Space and Quantification

Drawings

- Sample Locations

Photographs

- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

**CITY OF ROCHESTER
156 DEPEW STREET
ROCHESTER, NEW YORK**

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on February 9, 2016 at 156 Depew Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story, multi-family home with a basement.

New York State Department of Labor certified inspector Kiel Liddell conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
 - a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
 - b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

**CITY OF ROCHESTER
156 DEPEW STREET
ROCHESTER, NEW YORK**

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 156 Depew Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

**CITY OF ROCHESTER
156 DEPEW STREET
ROCHESTER, NEW YORK**

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Basement	*Duct Wrap/Duct Seam Tape Insulation (On Joists, Wall) and Duct Boot Insulation	Good	Friable	15 Square Feet
	*Flue Patch	Good	Friable	3 Square Feet
	Window Glaze	Good	NOB	3 Square Feet

APARTMENT 1 - FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Bedroom 1	Window Glaze	Good	NOB	4 Square Feet
	Storm Window Caulk	Good	NOB	4 Square Feet
Bathroom	Wall Spackle	Good	Friable	100 Square Feet
	Ceramic Wall Tile Grout -over- Ceramic Wall Tile Mastic -over- Wall Spackle (Shower Area)	Poor	NF/ NOB/ Friable	65 Square Feet
	Wall Spackle/Ceramic Wall Tile Grout/Ceramic Wall Tile Mastic DEBRIS – clean-up of floor and horizontal surfaces	Poor	Friable	25 Square Feet
Kitchen	Window Glaze	Good	NOB	1 Square Foot
	Storm Window Caulk	Good	NOB	1 Square Foot
Living Room	Window Glaze	Good	NOB	3 Square Feet
	Storm Window Caulk	Good	NOB	3 Square Feet
Foyer	Window Glaze	Good	NOB	1 Square Foot
Bedroom 2	Window Glaze	Good	NOB	2 Square Feet
	Storm Window Caulk	Good	NOB	2 Square Feet

APARTMENT 2 - SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Bedroom 1	Window Glaze	Good	NOB	2 Square Feet
	Storm Window Caulk	Good	NOB	2 Square Feet
Bedroom 2	Window Glaze	Good	NOB	2 Square Feet
	Storm Window Caulk	Good	NOB	2 Square Feet
Bedroom 3	Window Glaze	Good	NOB	2 Square Feet
	Storm Window Caulk	Good	NOB	2 Square Feet
Kitchen	*Flue Patch	Good	Friable	1 Square Foot
	Window Glaze	Good	NOB	2 Square Feet
	Storm Window Caulk	Good	NOB	2 Square Feet

ATTIC

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Attic	Window Glaze	Good	NOB	2 Square Feet

HOUSE EXTERIOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout House Exterior	Gray Siding Seam Caulk – at siding seams, and around the perimeter of all windows and doors	Good	NOB	25 Square Feet

HOUSE ROOF

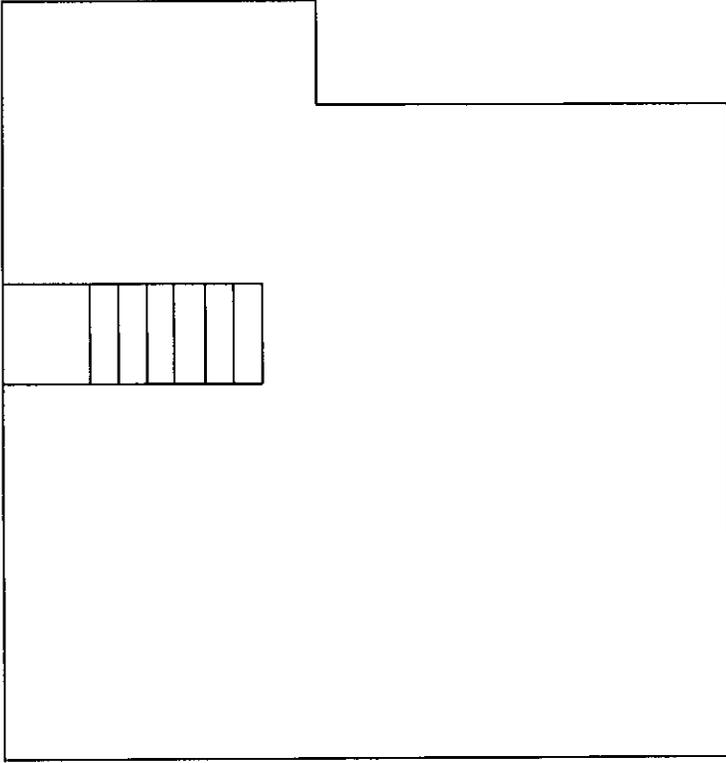
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout All Roofs	Black Tar Flashing on Chimney, All Roof Edges, Dormers, and Penetrations	Good	NOB	14 Square Feet

GARAGE EXTERIOR

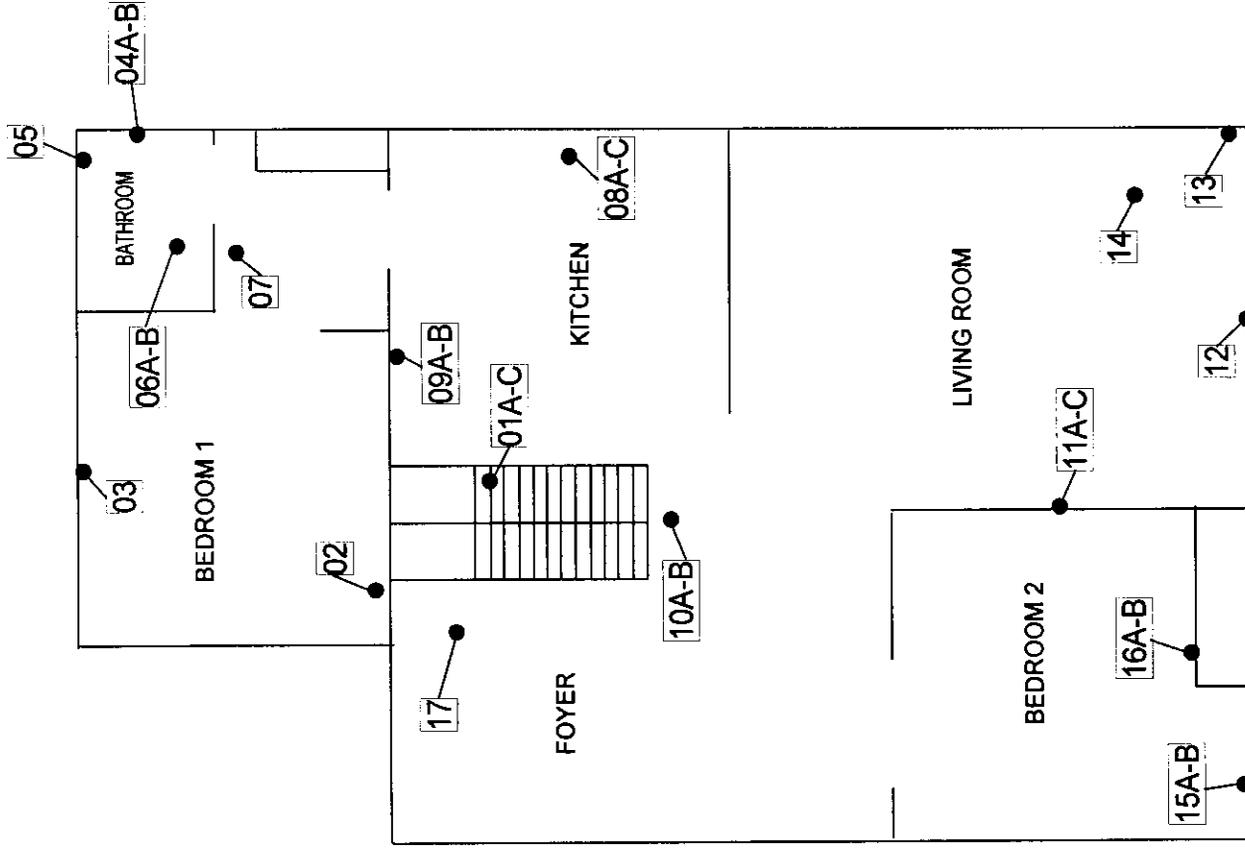
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Garage Exterior	Window Glaze	Good	NOB	4 Square Feet
	Storm Window Caulk	Good	NOB	3 Square Feet

Notes:

- Condition: **Good** = No visible damage and/or very limited deterioration. **Fair** = visible damage or deterioration on less than 25% of the material. **Poor** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Duct Wrap/Duct Seam Tape Insulation, duct boot insulation, and flue patch materials were located not sampled and is presumed to be asbestos containing.

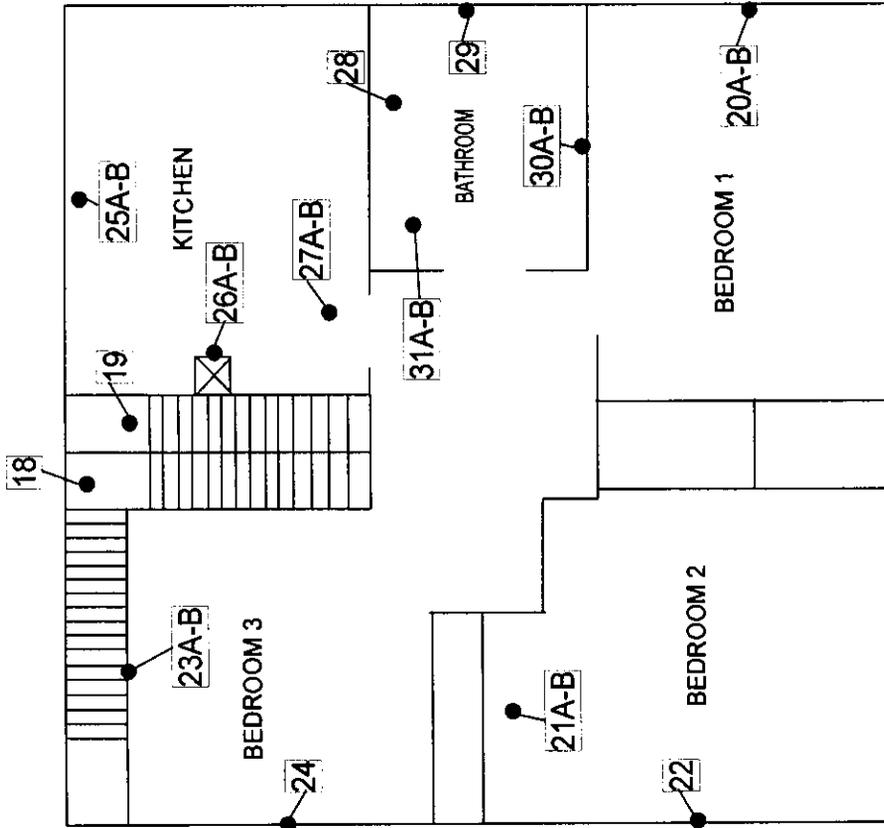


BASEMENT

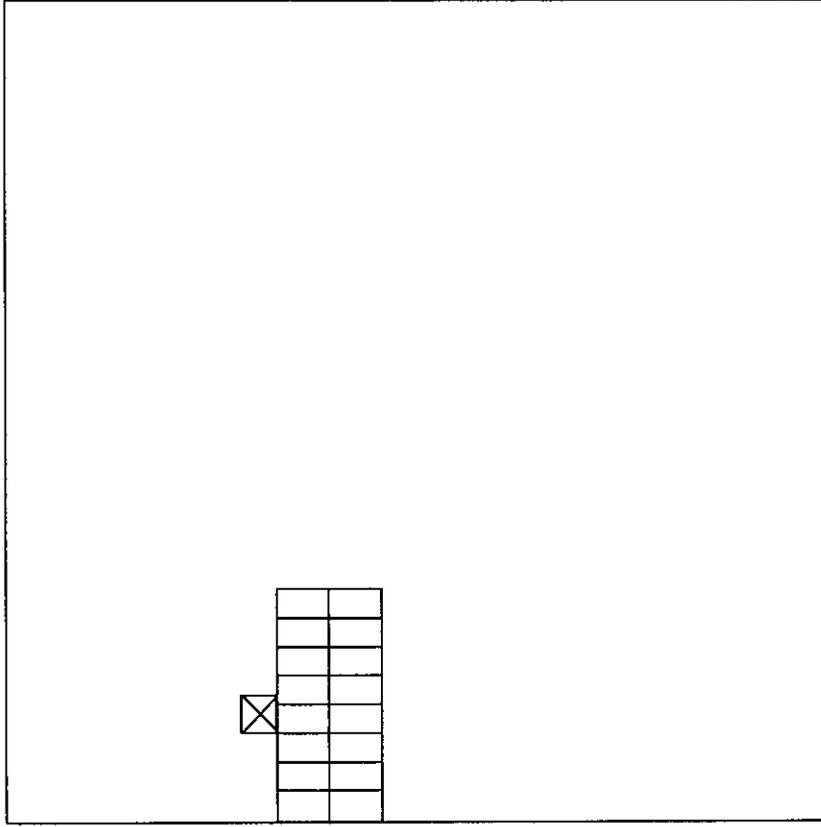


APARTMENT 1 - FIRST FLOOR

PRE-DEMOLITION ASBESTOS SURVEY
 BASEMENT AND FIRST FLOOR
 SAMPLE LOCATIONS

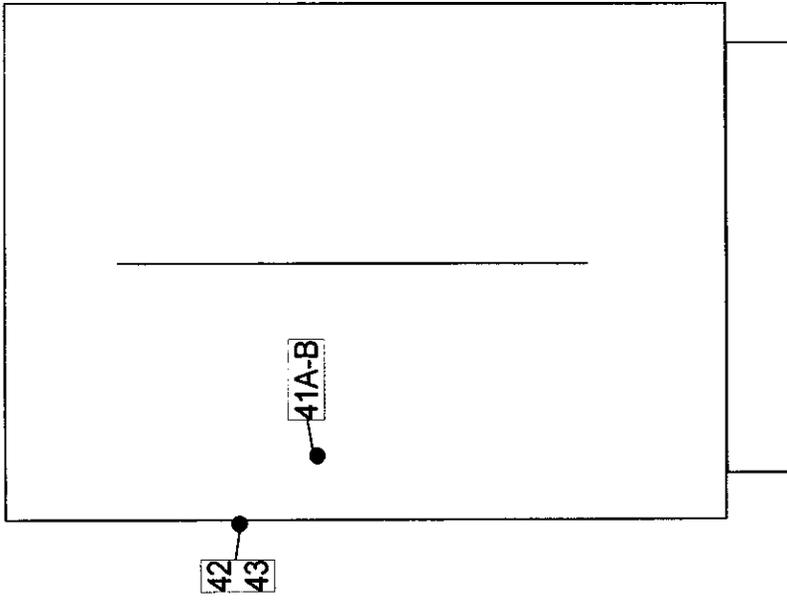
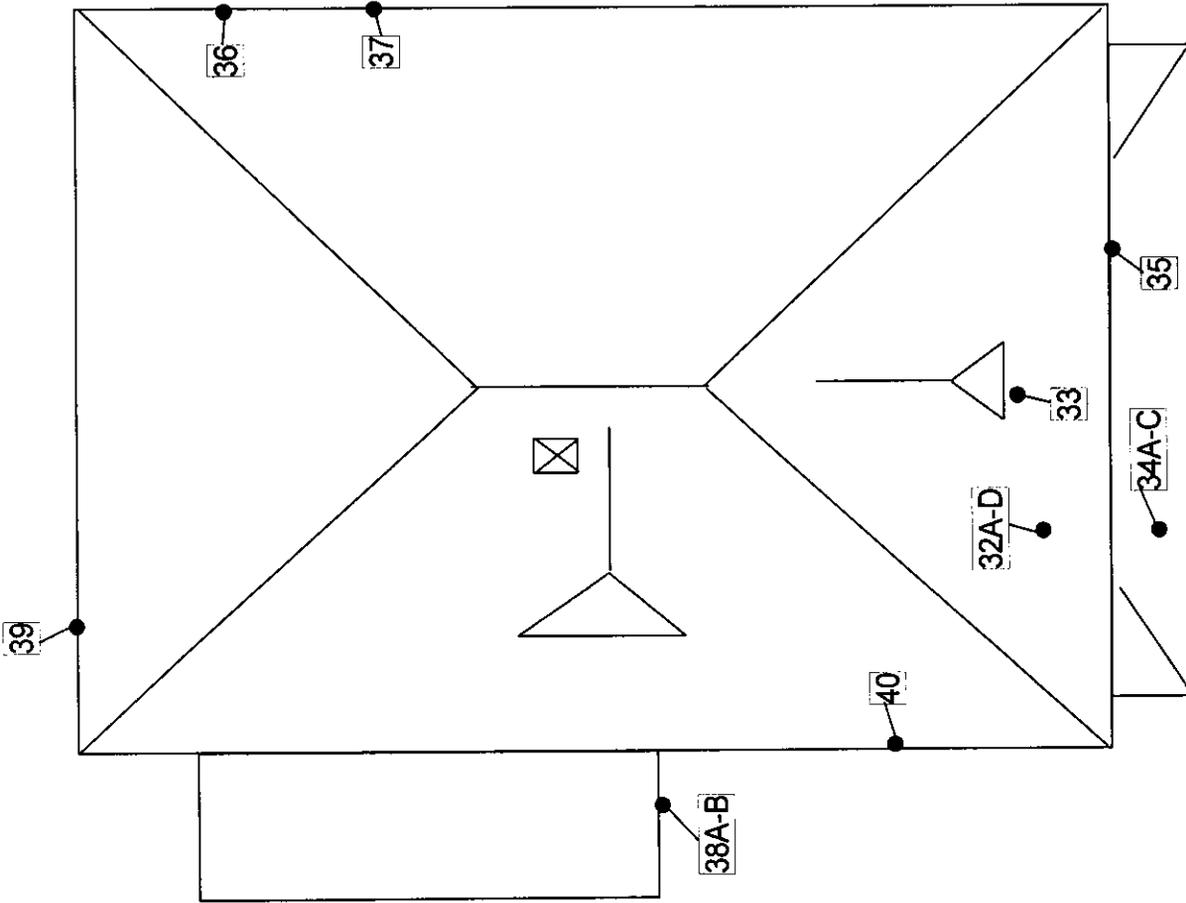


APARTMENT 2 - SECOND FLOOR



ATTIC

PRE-DEMOLITION ASBESTOS SURVEY
SECOND FLOOR AND ATTIC
SAMPLE LOCATIONS



PRE-DEMOLITION ASBESTOS SURVEY
 EXTERIOR AND GARAGE
 SAMPLE LOCATIONS

SAMPLE LOCATION DRAWINGS

**PHOTOGRAPHS
OF
ASBESTOS CONTAINING SAMPLES**

156 DEPEW STREET
ROCHESTER, NEW YORK



Figure 1: 47 Forbes Street, Rochester, New York

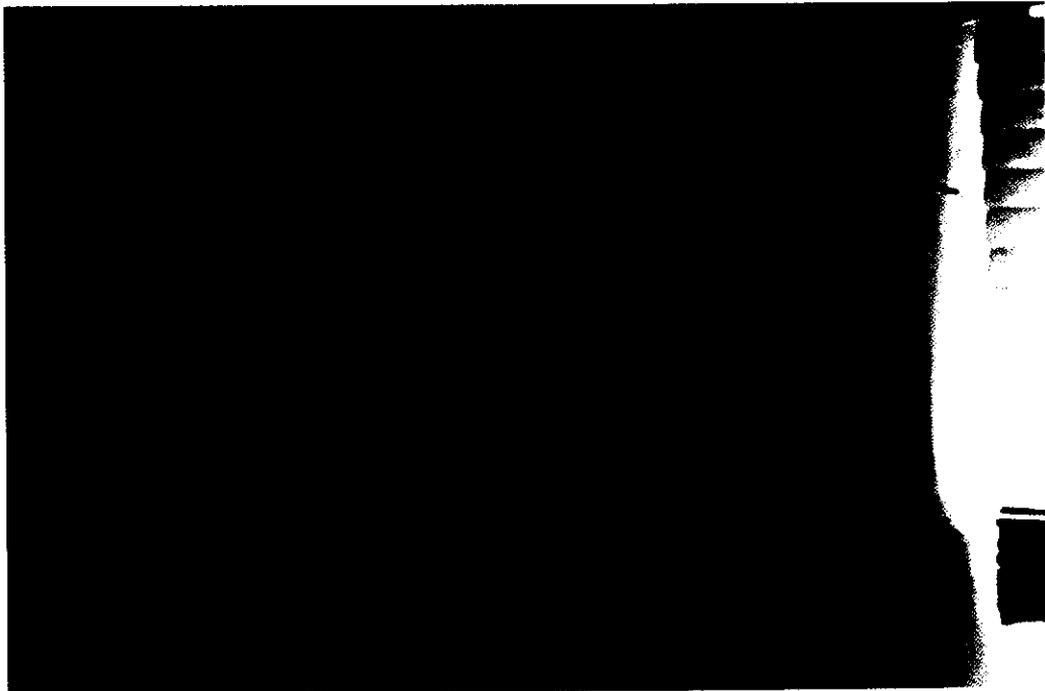


Figure 2: Apartment 1, Bathroom- Sample No. 05: White Wall Spackle

156 DEPEW STREET
ROCHESTER, NEW YORK



Figure 3: Apartment 2, Bedroom 2- Sample No. 22: Beige Storm Window Caulk



Figure 4: House Exterior - Sample No.40: Gray Siding Seam Caulk

156 DEPEW STREET
ROCHESTER, NEW YORK



Figure 5: Garage Exterior: Sample 42: Black Window Glaze



Figure 6: Garage Exterior: Sample No. 43: Beige Window Glaze

**LABORATORY ANALYTICAL RESULTS
AND
CHAINS OF CUSTODY**



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48205
 Date Received: 2/9/16
 Report Date: 4/18/2016 REVISED
 Analysis Date: 2/12-15/16
 Page: 1 of 7

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 156 Depew Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 2/9/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 70

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
1A	48205-1A	Apartment 1 Side Entry, Stairs to Basement	Square Print/Gray 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
1B	48205-1B	Apartment 1 Side Entry, Stairs to Basement	Brick Print/Red Sheet Vinyl 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
1C	48205-1C	Apartment 1 Side Entry, Stairs to Basement	Floral Patterned/Blue/White Sheet Vinyl 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
2	48205-2	Apartment 1 Bedroom 1	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
3	48205-3	Apartment 1 Bedroom 1	Gray Storm Window Caulk	Inconclusive Chrysotile Trace	<1%	*	NOB	None Detected 0%	>99%	Treat as ACM
4A	48205-4A	Apartment 1 Bathroom	White Ceramic Wall Tile Grout 1st Layer	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
4B	48205-4B	Apartment 1 Bathroom	Tan Ceramic Wall Tile Mastic 2nd Layer	Inconclusive Chrysotile Trace	0%	*	NOB	Fiberglass 3%	97%	Treat as ACM
5	48205-5	Apartment 1 Bathroom	White Wall Spackle	Chrysotile 3.8%	3.8%		F	None Detected 0%	96.2%	N/A
6A	48205-6A	Apartment 1 Bathroom	Octagon Print/White Sheet Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
6B	48205-6B	Apartment 1 Bathroom	Black Vapor Barrier 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.
 Analytical results relate only to the sample received and analyzed.

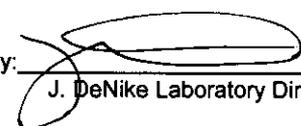
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Feruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



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 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 2/9/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 70

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOBLE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
7	48205-7	Apartment 1 Hallway	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%	NAD
8A	48205-8A	Apartment 1 Kitchen	White Ceiling Spackle 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	NAD
8B	48205-8B	Apartment 1 Kitchen	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
8C	48205-8C	Apartment 1 Kitchen	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
9A	48205-9A	Apartment 1 Kitchen	Tan Wall Panel Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
9B	48205-9B	Apartment 1 Kitchen	White Wall Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
10A	48205-10A	Apartment 1 Kitchen	Block Print/Tan Sheet Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
10B	48205-10B	Apartment 1 Kitchen	Floral Patterned/Blue/White Sheet Vinyl 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
11A	48205-11A	Apartment 1 Living Room	White Wall Spackle 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
11B	48205-11B	Apartment 1 Living Room	White Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

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Project Site: 156 Depew Street, Rochester, New York

SAMPLE INFORMATION

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Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 70

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
11C	48205-11C	Apartment 1 Living Room	Gray Wall Plaster 3rd Layer	None Detected 0%	0%		F	Cellulose 4%	96%	N/A
12	48205-12	Apartment 1 Living Room	Beige Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
13	48205-13	Apartment 1 Living Room	Green/Gray Z-Brick Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
14	48205-14	Apartment 1 Living Room	Gray Fibrous Pad Under Wood Stove	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
15A	48205-15A	Apartment 1 Bedroom 2	White Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
15B	48205-15B	Apartment 1 Bedroom 2	Gray Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 1%	99%	N/A
16A	48205-16A	Apartment 1 Bedroom 2	Tan Wall Panel Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
16B	48205-16B	Apartment 1 Bedroom 2	White Wall Spackle 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
17	48205-17	Apartment 1 Foyer	Black Felt Underlayment	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
18	48205-18	Apartment 2 Side Entry	Brick Print/Red Sheet Vinyl	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

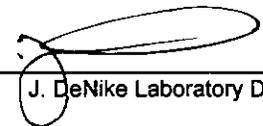
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Project Site: 156 Depew Street, Rochester, New York

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date:	2/9/16	Location:	Interior/Exterior	Analyst:	B. Seiderman
Sampler:	K. Liddell	Type of Sample:	Bulk Asbestos	Number of Samples:	70

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOB	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
19	48205-19	Apartment 2 Stairwell	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
20A	48205-20A	Apartment 2 Bedroom 1	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
20B	48205-20B	Apartment 2 Bedroom 1	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 3%	97%	N/A
21A	48205-21A	Apartment 2 Bedroom 2	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
21B	48205-21B	Apartment 2 Bedroom 2	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 2%	98%	N/A
22	48205-22	Apartment 2 Bedroom 2	Beige Storm Window Caulk	Chrysotile 1.1%	1.1%		NOB	None Detected 0%	98.9%	N/A
23A	48205-23A	Apartment 2 Bedroom 3	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
23B	48205-23B	Apartment 2 Bedroom 3	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 3%	97%	N/A
24	48205-24	Apartment 2 Bedroom 3	Beige Window Glaze	Inconclusive Chrysotile Trace	<1%	*	NOB	None Detected 0%	>99%	Chrysotile Trace
25A	48205-25A	Apartment 2 Kitchen	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	Cellulose 4%	96%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

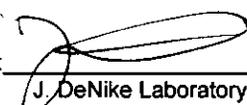
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48205
 Date Received: 2/9/16
 Report Date: 4/18/2016 REVISED
 Analysis Date: 2/12-15/16
 Page: 5 of 7

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 156 Depew Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 2/9/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 70

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
25B	48205-25B	Apartment 2 Kitchen	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 3%	97%	N/A
26A	48205-26A	Apartment 2 Kitchen	Green Wall Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
26B	48205-26B	Apartment 2 Kitchen	Brown Wall Vinyl Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
27A	48205-27A	Apartment 2 Kitchen	Square Print/Beige Sheet Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
27B	48205-27B	Apartment 2 Kitchen	Tan Sheet Vinyl Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
28	48205-28	Apartment 2 Bathroom	White Ceiling Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
29	48205-29	Apartment 2 Bathroom	Tan Shower Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
30A	48205-30A	Apartment 2 Bathroom	White Ceramic Wall Tile Mastic 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
30B	48205-30B	Apartment 2 Bathroom	Brown Ceramic Wall Tile Grout 2nd Layer	None Detected 0%	0%		NF	None Detected 0%	100%	N/A
31A	48205-31A	Apartment 2 Bathroom	Gray Ceramic Floor Tile Grout/Mortar 1st Layer	None Detected 0%	0%		NF	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48205
Date Received: 2/9/16
Report Date: 4/18/2016 REVISED
Analysis Date: 2/12-15/16
Page: 6 of 7

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 156 Depew Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 2/9/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 70

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOB	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
31B	48205-31B	Apartment 2 Bathroom	Black Vapor Barrier 2nd Layer	Inconclusive Chrysotile Trace	<1%	* NOB	None Detected 0%	>99%	Chrysotile Trace
32A	48205-32A	House Roof Roof Main	Black/Gray/Green Roof Shingle 1st Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
32B	48205-32B	House Roof Roof Main	Black/White Roof Shingle 2nd Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
32C	48205-32C	House Roof Roof Main	Black/Green Roof Shingle 3rd Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	Chrysotile Trace
32D	48205-32D	House Roof Roof Main	Black Tar/Roof Shingle 4th Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	Chrysotile Trace
33	48205-33	House Roof Roof Edge	Gray Tar/Flashing	Chrysotile 15.6%	15.6%	NOB	None Detected 0%	84.4%	N/A
34A	48205-34A	Front Porch Roof Roof Main	Black/Gray/Green Roof Shingle 1st Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
34B	48205-34B	Front Porch Roof Roof Main	Black/Red/Blue Roof Shingle 2nd Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	Chrysotile Trace
34C	48205-34C	Front Porch Roof Roof Main	Black/Brown/Tan Roof Shingle 3rd Layer	Inconclusive Chrysotile Trace	<1%	* NOB	None Detected 0%	>99%	NAD
35	48205-35	Front Porch Roof Roof Edge	Gray Tar/Flashing	Chrysotile 11.2%	11.2%	NOB	None Detected 0%	88.8%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48205
 Date Received: 2/9/16
 Report Date: 4/18/2016 REVISED
 Analysis Date: 2/12-15/16
 Page: 7 of 7

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 156 Depew Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 2/9/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 70

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOB	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
36	48205-36	Exterior Wall System	Black/Green Asphalt Siding Shingle	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
37	48205-37	Exterior Wall System	Gray Siding Seam Caulk	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
38A	48205-38A	Exterior Wall System	Gray Exterior Wall Mortar 1st Layer	None Detected 0%	0%	NF	None Detected 0%	100%	N/A
38B	48205-38B	Exterior Wall System	Tan Exterior Wall Mastic 2nd Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
39	48205-39	Exterior Wall System	Black/Green Asphalt Siding Shingle	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
40	48205-40	Exterior Wall System	Gray Siding Seam Caulk	Chrysotile 23.5%	23.5%	NOB	None Detected 0%	76.5%	N/A
41A	48205-41A	Garage Roof Roof Main	Black/Red Roof Shingle 1st Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	Chrysotile Trace
41B	48205-41B	Garage Roof Roof Main	Black Felt 2nd Layer	Inconclusive None Detected 0%	0%	* NOB	None Detected 0%	100%	NAD
42	48205-42	Garage Exterior	Black Window Glaze	Chrysotile 7.4%	7.4%	NOB	None Detected 0%	92.6%	N/A
43	48205-43	Garage Exterior	Beige Window Caulk	Chrysotile 5.3%	5.3%	NOB	None Detected 0%	94.7%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

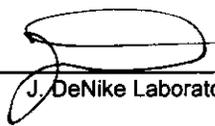
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Lottier Environmental Consulting, Inc. City of Rochester Job Name: 531290
 Address: 2011 East Main Street Job Location: 4475 Forbes Blvd. Job Number: 48205 Date Analyzed: 2/16/2016
 Rochester, New York 14609 Job Number: 48205 Person Submitting: Benjamin S.
 Attention: Jeanne DeNikie P.O. Number: Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type*	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16058897	48205-1A	Residue	NAD	N/A	NAD		21.4%	73.5%	5.1%			
16058898	48205-1B	Residue	TR	N/A	TR	Chrysotile	69.0%	28.8%	2.2%			
16058899	48205-1C	Residue	TR	N/A	TR	Chrysotile	80.9%	14.0%	5.1%			
16058900	48205-6A	Residue	NAD	N/A	NAD		38.3%	54.1%	7.6%			
16058901	48205-6B	Residue	NAD	N/A	NAD		85.6%	11.2%	3.2%			
16058902	48205-9A	Residue	NAD	N/A	NAD		49.2%	6.6%	44.2%			
16058903	48205-10A	Residue	NAD	N/A	NAD		59.6%	-0.7%	41.1%			Irrational Weight - Result may not be accurate.
16058904	48205-10B	Residue	NAD	N/A	NAD		78.1%	7.5%	14.4%			
16058905	48205-12	Residue	NAD	N/A	NAD		17.5%	33.3%	49.2%			
16058906	48205-13	Residue	NAD	N/A	NAD		24.1%	59.4%	16.5%			
16058907	48205-14	Residue	NAD	N/A	NAD		26.8%	45.8%	27.4%			
16058908	48205-16A	Residue	NAD	N/A	NAD		46.8%	26.3%	26.9%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply producer certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

Client: Lozier Environmental Consulting, Inc. Job Name: City of Rochester
Address: 2011 East Main Street Job Location: 55 Dewey Street
Rochester, New York 14609 Job Number: 48205 Person Submitting: Benjamin S.
Attention: Jeanne DeNikle P.O. Number: Not Provided

Chain of Custody: 531290

Date Analyzed: 2/16/2016

Person Submitting: Benjamin S.

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16058909	48205-17	Residue	TR	N/A	TR	Chrysotile	95.8%	2.2%	2.0%			
16058910	48205-18	Residue	NAD	N/A	NAD		80.3%	17.0%	2.1%			
16058911	48205-24	Residue	TR	N/A	TR	Chrysotile	14.0%	73.9%	11.2%			
16058912	48205-26A	Residue	NAD	N/A	NAD		66.2%	24.7%	9.1%			
16058913	48205-26B	Residue	NAD	N/A	NAD		56.3%	25.0%	18.7%			
16058914	48205-27A	Residue	NAD	N/A	NAD		55.7%	41.1%	3.2%			
16058915	48205-27B	Residue	NAD	N/A	NAD		35.6%	24.8%	39.6%			
16058916	48205-29	Residue	NAD	N/A	NAD		46.4%	22.4%	31.2%			
16058917	48205-30A	Residue	NAD	N/A	NAD		52.5%	8.0%	39.5%			
16058918	48205-31B	Residue	TR	N/A	TR	Chrysotile	88.7%	9.3%	2.0%			
16058919	48205-32A	Residue	NAD	N/A	NAD		24.1%	39.5%	36.4%			
16058920	48205-32B	Residue	NAD	N/A	NAD		29.3%	36.8%	33.9%			
16058921	48205-32C	Residue	TR	N/A	TR	Chrysotile	50.1%	9.6%	39.9%			

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NY ELAP (#10920) Accredited Laboratory

4475 Forbes Blvd. Lanham, MD, 20706 • (301) 459-2640 • Toll Free (800) 346-0961 • Fax (301) 459-2643

Client: Lozier Environmental Consulting, Inc.
Address: 2011 East Main Street
 Rochester, New York 14609
City of Rochester
 47 Edison Street
Job Name: Site Depost. at
Job Location: 47 Edison Street
Job Numbers: 48205
P.O. Number: Not Provided
Chain of Custody: \$31290
Date Analyzed: 2/16/2016
Person Submitting: Benjamin S.

Attention: Jeanne DeNike

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16058922	48205-32D	Residue	TR	N/A	TR	Chrysotile	95.2%	0.9%	3.9%			
16058923	48205-34A	Residue	NAD	N/A	NAD		24.9%	38.4%	36.7%			
16058924	48205-34B	Residue	TR	N/A	TR	Chrysotile	73.4%	4.5%	22.0%			
16058925	48205-34C	Residue	NAD	N/A	NAD		95.4%	1.5%	3.1%			
16058926	48205-36	Residue	NAD	N/A	NAD		39.5%	43.3%	17.2%			
16058927	48205-37	Residue	NAD	N/A	NAD		23.3%	54.7%	22.0%			
16058928	48205-38B	Residue	NAD	N/A	NAD		31.9%	44.0%	24.1%			
16058929	48205-39	Residue	NAD	N/A	NAD		46.4%	40.8%	12.8%			
16058930	48205-41A	Residue	TR	N/A	TR	Chrysotile	47.0%	3.9%	49.1%			
16058931	48205-41B	Residue	NAD	N/A	NAD		93.9%	1.6%	4.5%			

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Client: Lozier Environmental Consulting, Inc.
Address: 2011 East Main Street
Rochester, New York 14609
Attention: Jeanne DeNike

Job Name: City of Rochester
Job Location: 150 Dewstat
47 Forbes Street
Job Number: 48205
P.O. Number: Not Provided

Chain of Custody: 531290
Date Analyzed: 2/16/2016
Person Submitting: Benjamin S.

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

Page 4 of 4

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Types(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
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* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.
 ** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"
 *** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)
 All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director

Andreas Saldivar

Analyst(s)

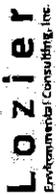
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NY ELAP (#10920) Accredited Laboratory

4475 Forbes Blvd. · Lanham, MD, 20706 · (301) 459-2640 · Toll Free (800) 346-0961 · Fax (301) 459-2643

PLM ASBESTOS BULK MATERIAL SAMPLES



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester Lab No.: 48205-1A Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 47 Forbes Street 1st St. Deposit at TEM Yes No T/R
 Rochester, NY 14614
 Contact: Chuck Fox Rochester, New York *Push*

Sample Date: 2/9/2016
 Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 47 Forbes Street 1st St. Deposit at TEM Yes No T/R
 Rochester, New York
 Samples: 70 Sampled By: K. Liddell, T. Krochmalech, P. Gurzynski

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
1A	48205-1A	Apt. 1 Side Entry, Stairs to Basement	Square Print, Grey	12x12 Floor Tile		1	Nob	-	✓
1B	-1B		Brick Print, Red	Sheet Vinyl		2	Nob	-	✓
1C	-1C		Floral Pattern, Blue, White	Sheet Vinyl		3	Nob	-	✓
2	-2	Bedroom 1	White	C-spk			F	-	
3	-3		Grey	Storm Window Caulk			Nob	-	✓
4A	-4A	Bathroom	White	Ceramic Wall Tile Grout		1	NF	-	
4B	-4B		Tan	Ceramic Wall Tile Mastic		2	Nob	-	✓
5	-5		White	W-spk			F	+	
6A	-6A		Octagon Print, White	Sheet Vinyl		1	Nob	-	✓
6B	-6B		Black	Vapor Barrier		2	Nob	-	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* DATE: 2/9/2016 TIME: 2:45
 Relinquished By: *[Signature]*
 DATE: 2/9/16 TIME: 1540

PLM ASBESTOS BULK MATERIAL SAMPLES



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester **Sample Date:** 2/9/2015 **Lab No.:** 48205 **Contacted Client:** _____
Address: 30 Church St. **Turn Around:** Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
Location: 47 Forbes Street
 150 Dew Street
 Rochester, New York **TEM:** Yes No T/R

Phone #: _____ **Fax #:** _____ **Samples:** 70 **Sampled By:** K. Liddell, T. Krochmalech, P. Gurzynski

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
7	48205 -7	Apt. 1 Hallway	White	C-spK	1		F	-
8A	-8A	Kitchen	White	C-spK		1	F	-
8B	-8B		White	Ceiling Plaster		2	F	-
8C	-8C		Grey	Ceiling Plaster		3	F	-
9A	-9A		Tan	Wall Panel Mastic		1	F	-
9B	-9B		White	W-spK		2	F	-
10A	-10A		Block Print, Tan	Sheet Vinyl		1	NOB	-
10B	-10B		Floral Pattern, Blue, White	Sheet Vinyl		2	NOB	-
11A	-11A	Living Room	White	W-spK		1	F	-
11B	-11B		White	Wall Plaster		2	F	-

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
RECEIVED BY: *[Signature]* **DATE:** 2/9/16 **TIME:** 1540
Relinquished By: *[Signature]* **DATE:** 2/9/2016 **TIME:** 2:45

Client: City of Rochester Sample Date: 2/9/2015 Lab No.: 48205 Contacted Client: _____

Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day

Contact: Chuck Fox Location: 47 Forbes Street
151 E DeWitt St apt
Rochester, New York TEM: Yes No T/R

Phone # _____ Fax # _____ Samples: 70 Sampled By: K. Liddell, T. Krochmalech, P. Gurzynski

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ TEM
11C	48205-11C	Apt. 1 Living Room	Grey	Wall Plaster		3	F	-
12	-12		Beige	Window Glaze			Nob	-
13	-13		Green, Grey	Z-Brick Mastic			Nob	-
14	-14		Grey	Fibrous Pad under Wood Stove			Nob	-
15A	-15A	Bedroom 2	White	Wall Plaster		1	F	-
15B	-15b		Grey	Wall Plaster		2	F	-
16A	-16A		Tan	Wall Panel Mastic		1	Nob	-
16B	-16B		White	W-spk		2	F	-
17	-17	Foyer	Black	Felt Underlayment			Nob	-
18	-18	Side Entry	Brick Print, Red	Sheet Vinyl			Nob	-

Relinquished By: *Karl J...*

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DATE: _____ TIME: _____

DATE: 2/9/2016 TIME: 2:45

PLM ASBESTOS BULK MATERIAL SAMPLES

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



48205 06

Client: City of Rochester Lab No.: 48205 Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed: 24 Hr. 3 Day 5 Day
 Rochester, NY 14614 Location: 47 Forbes Street
 Contact: Chuck Fox 156 Dewey St. at Rochester, New York TEM: Yes No T/R

Sampled By: K. Liddell, T. Krochmalech, P. Gurzynski

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
19	48205-19	Apt. 2 Stairwell	White	C-spk			F	-	
20A	-20A	Bedroom 1	White	Wall Plaster		1	F	-	
20B	-20B	↓	Grey	Wall Plaster		2	F	-	
21A	-21A	Bedroom 2	White	Ceiling Plaster		1	F	-	
21B	-21B	↓	Grey	Ceiling Plaster		2	F	-	
22	-22	↓	Beige	Storm Window Caulk			NOB	+	
23A	-23A	Bedroom 3	White	Wall Plaster		1	F	-	
23B	-23B	↓	Grey	Wall Plaster		2	F	-	
24	-24	↓	Beige	Window Glaze			NOB	-	✓
25A	✓ -25A	Kitchen	White	Ceiling Plaster		1	F	-	

Relinquished By: *Karl J. Liddell*
 TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]* DATE: 2/9/16 TIME: 1540
 DATE: 2/9/2016 TIME: 2:45



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)-654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES

Client: City of Rochester

Address: 30 Church St.

Rochester, NY 14614

Contact: Chuck Fox

Phone # Fax #

Sample Date: 2/9/2015

Lab No.: 48205

Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day

Location: 47 Forbes Street

1516 Depot St cut
 Rochester, New York

Samples: 70

Sampled By: K. Liddell, T. Krochmalech, P. Gurzynski

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+ TEM
31B	48205-31B	Apt. 2 Bathroom	Black	Vapor Barrier		2	NOB	-
32A	-32A	House Roof	Black, Grey Green	Roof Shingle		1	NOB	-
32B	-32B		Black, White	Roof Shingle		2	NOB	-
32C	-32C		Black, Green	Roof Shingle		3	NOB	-
32D	-32D		Black	Tar/ Roof Shingle		4	NOB	-
33	-33	Roof Edge	Grey	Tar/ Flashing			NOB	+
34A	-34A	Front Porch Roof	Black, Grey Green	Roof Shingle		1	NOB	-
34B	-34B		Black, Red, Blue	Roof Shingle		2	NOB	-
34C	-34C		Black, Brown, Tan	Roof Shingle		3	NOB	-
35	-35	Roof Edge	Grey	Tar/ Flashing			NOB	+

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY: *[Signature]*

Relinquished By: *[Signature]*

DATE: 2/7/16

TIME: 1540

DATE: 2/9/2016

TIME: 2:45

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



43205

Client: City of Rochester Lab No.: 43205 Contacted Client _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 47 Forbes Street
 Contact: Chuck Fox Rochester, New York TEM: Yes No T/R

Phone # _____ Fax # _____ Samples: 70 Sampled By: K. Liddell, T. Krochmalech, P. Gurzynski

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
36	43205-36	Exterior Wall System	Black, Green	Asphalt Siding Shingle			NOB	-	✓
37	-37		Grey	Siding Seam Caulk			NOB	-	✓
38A	-38A		Grey	Exterior Wall Mortar		1	NOB	-	✓
38B	-38B		Tan	Exterior Wall Mastic		2	NOB	-	✓
39	-39		Black, Green	Asphalt Siding Shingle			NOB	-	✓
40	-40		Grey	Siding Seam Caulk			NOB	+	✓
41A	-41A	Garage Roof	Black, Red	Roof Shingle		1	NOB	-	✓
41B	-41B		Black	Felt		2	NOB	-	✓
42	-42	Garage Exterior	Black	Window Glaze			NOB	+	✓
43	-43		Beige	Window Caulk			NOB	+	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: [Signature] DATE: 2/9/16 TIME: 1540
 Relinquished By: [Signature] DATE: 2/9/2016 TIME: 2:45

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester Lab No.: 48205-25B Contacted Client: _____
 Address: 30 Church St. Turn Around: Emerg. Immed. 24 Hr. 48 Hr. 3 Day 5 Day
 Location: 47 Forbes Street (50 Depew St) TEM: Yes No T/R
 Contact: Chuck Fox Rochester, New York

Phone # _____ Fax # _____ Samples: 70 Sampled By: K. Liddell, T. Krochmatech, P. Gurzynski

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
25B	48205-25B	Apt. 2 Kitchen	Grey	Ceiling Plaster		2	F	-
26A	-26A		Green	Wall Vinyl		1	NOb	-
26B	-26B		Brown	Wall Vinyl Mastic		2	NOb	-
27A	-27A		Square Print, Beige	Sheet Vinyl		1	NOb	-
27B	-27B		Tan	Sheet Vinyl Mastic		2	NOb	-
28	-28	Bathroom	White	C-spk			F	-
29	-29		Tan	Shower Mastic			NOb	-
30A	-30A		White	Ceramic Wall Tile Mastic		1	NOb	-
30B	-30B		Brown	Ceramic Wall Tile Grout		2	NF	-
31A	-31A		Grey	Ceramic Floor Tile Grout / Mortar		1	NF	-

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 RECEIVED BY: _____ DATE: 2/9/16 TIME: 1540
 Relinquished By: *Kim J...* DATE: 2/9/2016 TIME: 2:45

CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434

LICENSE NUMBER: 29997

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 05/21/2015

EXPIRATION DATE: 05/31/2016

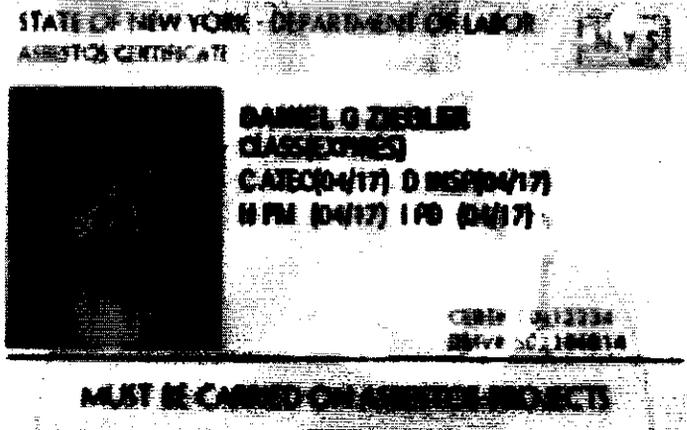
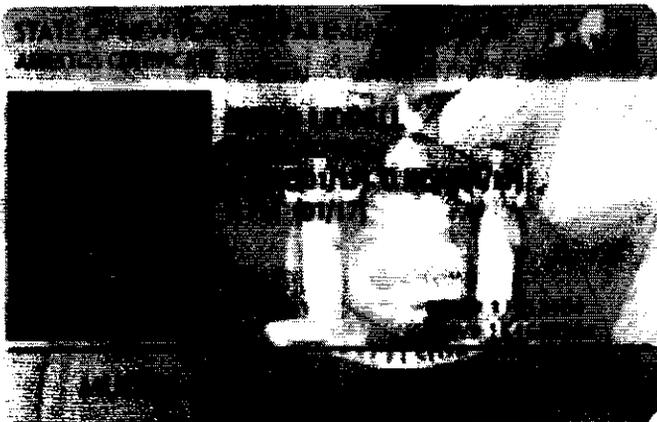
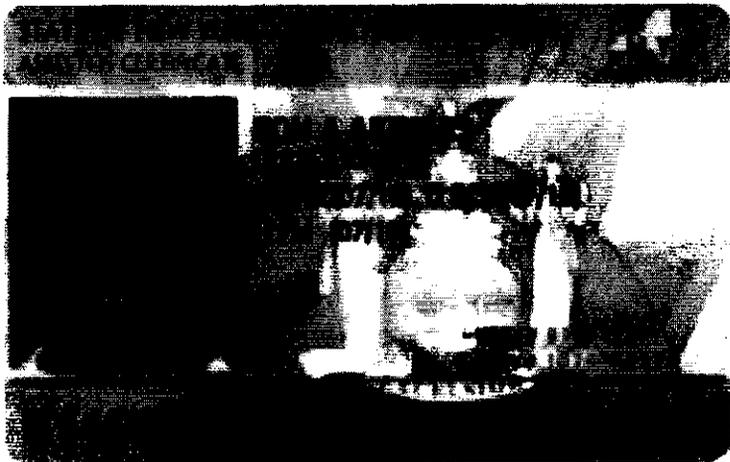
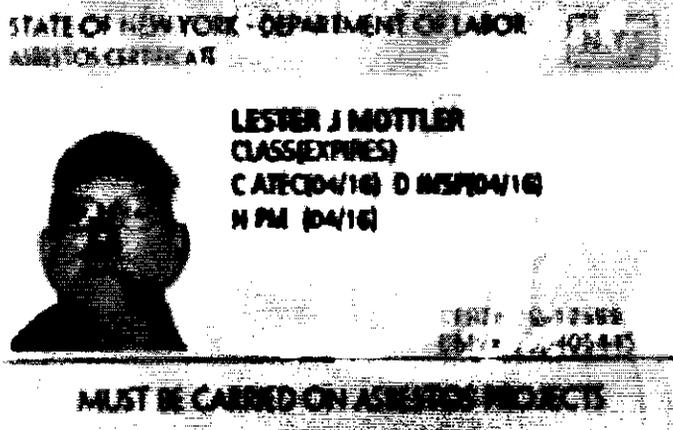
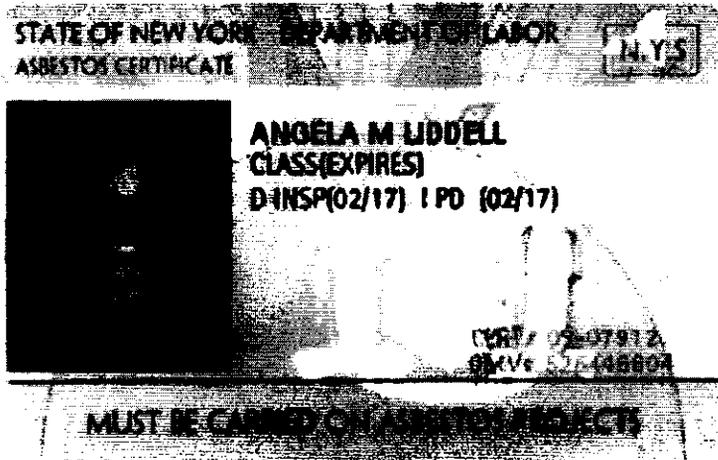
Duly Authorized Representative – Ronald A. Arthurs:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

**MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609**

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Fibers

NIOSH 7400 A RULES

Serial No.: 52562

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2016
Issued April 01, 2015



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 6027 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
1475 FORBES BLVD
LANHAM MD 20706

NY Lab Id No: 10920

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Metals

Lead, Total

EPA 7000B

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Lead in Dust Wipes

EPA 7000B

Lead in Rain

EPA 7000B

Sample Preparation Methods

EPA 600/R-83/200

ASTM E-1070-12

Serial No.: 52183

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (616) 456-6670 to verify the laboratory's accreditation status.

**NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised April 22, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

**MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609**

NY Lab Id No: 11770

**Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:**

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Serial No. 52874

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.

156 Dr. Samuel McCree Way Garage

**Dept. of Neighborhood & Business Development
Rochester, New York**

**Pre-Demolition
Asbestos Inspection**

December 2014

156 Dr. Samuel McCree Way Garage

**Dept. of Neighborhood & Business Development
Rochester, New York**

**Pre-Demolition
Asbestos Inspection**

December 2014

156 Dr. Samuel McCree Way Garage
Rochester, New York

Pre-Demolition Asbestos Inspection

December 2014

Prepared For:

City of Rochester
Department of Neighborhood and Business Development
City Hall, Room 005-A
30 Church Street
Rochester, New York 14614-1290

Prepared By:

Barton & Loguidice, D.P.C.
Engineers • Environmental Scientists • Planners • Landscape Architects
11 Centre Park, Suite 203
Rochester, New York 14614



Table of Contents

<u>Section</u>	<u>Page</u>
Executive Summary	E-1
1.0 Introduction	1
2.0 Building Description	2
3.0 Scope of Work	3
4.0 Field Survey Procedures	4
4.1 Surfacing Materials	4
4.2 Thermal System Insulation (TSI)	4
4.3 Miscellaneous Material	5
5.0 Description of Sampling Method	6
6.0 Analytical Methods	7
7.0 Survey Results	8
8.0 Homogeneous ACM/PACM Summary Form	10
9.0 Bulk Sampling Summary Form	11

Tables

Table 1 - Bulk Sampling Summary Form	11
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Appendices

- Appendix A - Survey Forms and Floor Plans
- Appendix B - Photos of Non-Asbestos Containing Materials
- Appendix C - Asbestos Bulk Sample Analytical Results and Chain-of-Custody Records
- Appendix D - Barton & Loguidice, D.P.C. Asbestos License and Certificates
- Appendix E - Laboratory Certificates

Executive Summary

Barton & Loguidice, D.P.C. (B&L) was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct a pre-demolition asbestos inspection of the garage located at 156 Dr. Samuel McCree Way in Rochester, New York. The purpose of the survey was to identify and quantify suspect asbestos-containing materials (ACMs) prior to the anticipated demolition of the structure. The inspection was conducted on December 11, 2014. This report represents the conditions of the property at the time of the survey.

Materials suspected of potentially containing asbestos were sampled by B&L's New York State Certified Asbestos Inspectors. These materials included window glaze and roofing materials.

All materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

New York State Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street, Room 405
Buffalo, New York 14202

1.0 Introduction

Barton & Loguidice, D.P.C. (B&L) was retained by the City of Rochester, Department of Neighborhood and Business Development, to conduct an asbestos inspection of the garage located at 156 Dr. Samuel McCree Way in Rochester, New York. The inspection was designed to determine the presence and quantity of ACM/PACM prior to demolition of the structure. B&L's inspection team consisted of New York State Department of Labor (NYSDOL) accredited inspectors Timothy Strzepek (Certificate No. 90-03209) and Michael Goff (Certificate No. 01-07588). B&L's license and each inspector's asbestos certificates are presented in Appendix E. The inspection was performed on December 11, 2014.

2.0 Building Description

The garage located at 156 Dr. Samuel McCree Way is a one story wood frame structure. The entire building encompassed approximately 220 square feet of area including the basement. The exterior consisted of wood construction. This description represents the condition of the building at the time of the survey.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. No pipes and ducts were located in the building. If suspect material(s) are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material(s) identifies the material(s) as non-ACM.

3.0 Scope of Work

The above referenced building was surveyed for the presence of thermal system insulation, surfacing materials, and miscellaneous materials suspected of containing asbestos. Both friable and non-friable materials were sampled.

The inspection was performed in accordance with the requirements of Part 56 of the Official Compilation of Codes, Rules and Regulations of the State of New York (12 NYCRR Part 56, as amended and adopted March 21, 2007), Section 56-5.1, *Asbestos Survey Requirements for Building/Structure Demolition, Renovation, Remodeling, and Repair*. Inspection procedures followed the requirements of the Environmental Protection Agency (EPA) found at 40 CFR Part 763, Subpart E - Asbestos Containing Materials in Schools; Final Rule and Notice, *Asbestos Hazard Emergency Response Act (AHERA)*.

When suspect ACM was encountered, the material was assessed, quantified, and either assumed to be ACM or sampled. The condition of the material was also noted on the survey form. The condition of the ACM and PACM materials is reported in Table 1. The sample location was noted in the field sketches. Sample locations are summarized in Table 2, Bulk Sampling Summary Form. Each sample was sent to a laboratory accredited by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) and the National Institute of Standards and Technology (NIST) National Voluntary Laboratory Accreditation Program (NVLAP) for analysis.

4.0 Field Survey Procedures

Survey procedures call for an accredited inspector to visually inspect, identify, and assess all homogeneous areas for friable and non-friable suspected asbestos-containing building materials (ACBM). Once all materials were assessed and information recorded, sampling was initiated. The sampling protocol for each homogeneous material was as follows:

4.1 Surfacing Materials

These materials include spray-applied or trowelled-on materials such as plaster, stucco, and fireproofing.

- Three bulk samples were collected from each homogeneous material.

4.2 Thermal System Insulation (TSI)

TSI includes materials such as pipe, boiler, tank, and exhaust breaching insulation, and duct insulation.

- Materials identified as ACM from previous pre-demolition surveys such as aircell pipe and fittings, transite piping, and duct insulation were presumed to be ACM (PACM) and not sampled.
- One sample from materials including patched TSI, which was not assumed to be ACM, if the patched section was less than 6 linear or square feet. Otherwise, three samples were collected.

4.3 Miscellaneous Material

This category includes materials such as roofing and siding materials, ceiling tile, floor tile, vinyl sheeting, baseboard molding, and other miscellaneous materials.

- Two samples were collected from each homogeneous ceiling tile or panel and each (NOB) non-friable material and three samples collected for each friable miscellaneous material.

Bulk samples were not collected from any homogeneous material where the accredited inspector determined that the material was fiberglass, foam, glass, rubber, or other non-ACM.

5.0 Description of Sampling Method

Whenever samples were collected, non-assessment personnel were restricted from the area. The material to be sampled was misted with water to minimize fiber release. The material was penetrated with the appropriate sampling tool down to the structural member and a sample of approximately two (2) square centimeters extracted. The sample was placed in a clear plastic container, the container wiped with a damp cloth, sealed, and labeled with a unique sample identification number. The sample site was then sealed and labeled (where appropriate).

Sampling tools were cleaned with a damp cloth and the area wet wiped of any debris. Potentially contaminated rags, debris, suits, plastic, etc. were collected in plastic bags and returned to B&L's office for subsequent disposal. Respirators equipped with P-100 High Efficiency Particulate Air (HEPA) filters were worn by the inspectors during the sample collection and cleaning procedure for friable material at the inspector's discretion.

6.0 Analytical Methods

Bulk samples collected at the building were analyzed by AmeriSci New York (AmeriSci), 117 East 30th Street, New York, New York. AmeriSci is accredited by NIST under the National Voluntary Laboratory Accreditation Program (NVLAP) for Polarized Light Microscopy (PLM) analysis of bulk samples (Accreditation Number 200546-0). AmeriSci is also accredited by the New York State Department of Health under the Environmental Laboratory Approval Program (ELAP, Accreditation No. 11480).

Samples were analyzed by polarized light microscopy (PLM) in accordance with the NYSDOH *Polarized Light Microscopy Method for Identifying and Quantifying Asbestos in Bulk Samples* (ELAP Method 198.1). Samples were analyzed sequentially until positive for asbestos or until each sample in the set was analyzed. A material was classified as non-asbestos containing only if each sample in the set was determined to be less than one percent by weight (<1%).

Non-friable organically bound (NOB) materials, such as floor tiles, mastic and roofing materials, and ceiling tiles/panels containing cellulose that were found to be <1% by PLM, were also analyzed using the NYSDOH *Transmission Electron Microscopy (TEM) Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples* (ELAP Method 198.4). If TEM confirmed that the asbestos content was <1%, the material was considered non-asbestos containing.

7.0 Survey Results

The results of the on-site survey are summarized in Table 1 - "Homogeneous ACM/PACM Summary" found in section 8.0.

Appendix A - "Survey Form and Floor Plans" is a room-by-room listing of the location of suspect materials in each functional area inspected. The survey form was completed in the field and incorporates the inspector's field observations. A description of each of the columns on the form and how they were completed can also be found in Appendix A.

Appendix B presents photographs of non-asbestos containing materials.

Laboratory results and completed copies of the chain of custody records are presented in Appendix C - Asbestos Bulk Sample Analytical Results.

All materials sampled were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM.

Plumbing, heating, ventilating, and air-conditioning (HVAC) plans were not available. B&L attempted to inspect hidden pipes and ducts by breaking holes through the walls. No pipes and ducts were located in the building. If suspect material(s) are encountered during demolition, they should be assumed to be ACM and should be removed as ACM unless sampling of the material(s) identifies the material(s) as non-ACM.

The New York State Department of Labor (NYSDOL) also requires that this report be forwarded to the Commissioner of Labor through the Division of Safety and Health, Asbestos Control Bureau and to the local government agency charged with issuing demolition permits (see 12 NYCRR Part 56-5.1). The local NYSDOL office is located at:

New York State Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street, Room 405
Buffalo, New York 14202

8.0 Homogeneous ACM/PACM Summary Form

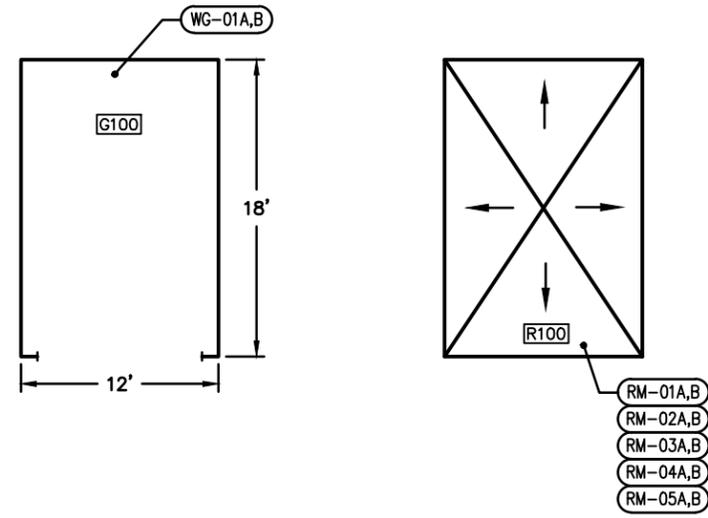
Suspect materials identified and sampled in the building were found to contain no asbestos or less than one percent (<1%) and are, therefore, categorized as non-ACM. Also, no presumed asbestos containing materials (PACMs) were identified during the building survey. If any other suspect materials are encountered during demolition activities, they should be treated as asbestos containing materials and removed as ACM by a New York State licensed contractor, unless sampling of the material(s) identifies the material(s) as non-ACM.

9.0 Bulk Sampling Summary Form

This form presents a summary of the bulk sampling performed at the building. It lists the material code, material description, sample location, sample ID, and the analytical results. Results for PLM and TEM analyses are presented as appropriate.

Table 1 Bulk Sampling Summary Form City of Rochester 156 Dr. Samuel McCree Way Garage Rochester, NY December 11, 2014					
Material Code	Material Description	Sample Location	Sample ID	Analytical Results	
				PLM	TEM
WG01	Window Glaze	G100	WG01A	NAD	NAD
	Window Glaze	G100	WG01B	NAD	NAD
RM01	Gray Roof Shingle	R100	RM01A	NAD	NAD
	Gray Roof Shingle	R100	RM01B	NAD	NAD
RM02	Tar Paper	R100	RM02A	NAD	NAD
	Tar Paper	R100	RM02B	NAD	NAD
RM03	Green Roof Shingle	R100	RM03A	NAD	NAD
	Green Roof Shingle	R100	RM03B	NAD	NAD
RM04	Tar Paper	R100	RM04A	NAD	NAD
	Tar Paper	R100	RM04B	NAD	NAD
RM05	Red Roof Shingle	R100	RM05A	NAD	NAD
	Red Roof Shingle	R100	RM05B	NAD	NAD
< = Less Than % = Percent PLM = Polarized Light Microscopy TEM = Transmission Electron Microscopy NAD = No Asbestos Detected NA = Not Analyzed Trace = Indicates <1% asbestos by weight			CH = Chrysotile Asbestos AM = Amosite Asbestos CR = Crocidolite Asbestos AN = Anthophyllite Asbestos TR = Tremolite Asbestos AC = Actinolite Asbestos		

Plotted: Jan 02, 2015 - 12:35PM SYR By: lmw
Z: \\BL-Vault\ID2\18217AD2-1C71-4823-8927-99D5C4054147\0\714000-714999\714681\L\L\981004_ASB187 - 156 Dr. Samuel McCree Way (ID 714681).dwg



DR. SAMUEL MCCREE WAY
GARAGE PLAN
NOT TO SCALE

CITY OF ROCHESTER
ASBESTOS SURVEY

156 DR. SAMUEL MCCREE WAY



Date
DECEMBER, 2014

Scale
NOT TO SCALE

Figure Number
1

Project Number
981.004.001



Pre-Demolition Asbestos Survey

at

533 Conkey Avenue
Rochester, New York

February 24, 2016

PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street
Rochester, New York 14614
Job Number: 16-0170

**533 CONKEY AVENUE
ROCHESTER, NEW YORK**

TABLE OF CONTENTS

INTRODUCTION

LIMITATIONS

CONCLUSIONS

MATERIALS LIST

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY

DRAWINGS

LABORATORY REPORTS

CHAINS OF CUSTODY

CERTIFICATIONS

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the **City of Rochester** on **February 24, 2016** to conduct an inspection for the detection of asbestos containing materials located at **533 Conkey Avenue, Rochester, New York**.

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Geoff Siebert (AH#03-06811) and Jeff Hertel (AH#13-01972) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples").

New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for the **City of Rochester** and referenced to **533 Conkey Avenue, Rochester, New York**. Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

As per the direction of the client, City of Rochester, this survey was limited to suspect asbestos containing materials as listed in the materials tested table; if additional materials will be impacted by the demolition these materials should be considered asbestos containing until tested.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

Paradigm Job Number 16-0170

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey from **533 Conkey Avenue, Rochester, New York** on **February 24, 2016**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.
- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.
- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

<i>Col. 1</i>	<i>Col. 2</i>	<i>Col. 3</i>	<i>Col. 4</i>	<i>Col. 5</i>	<i>Col. 6</i>	<i>Col. 7</i>	<i>Col. 8</i>	<i>Col. 9</i>	<i>Col. 10</i>	<i>Col. 11</i>
<i>Room #</i>	<i>Sample #'s taken in Room</i>	<i>Positive Sample ID #</i>	<i>Positive Material Description</i>	<i>Location of Material</i>	<i>Condition</i>	<i>Friable Non-Friable NOB</i>	<i>Type of Material</i>	<i>SQ FT</i>	<i>Lin FT</i>	<i>Units</i>

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
 - a. **Good:** means material is intact with no visible damage.
 - b. **Fair:** means material contains fewer than 10% distributed damage or 25% localized damage.
 - c. **Poor:** means material contains over 10% distributed damage or 25% localized damage.
 Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
533 Conkey Avenue
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Wall and Ceiling Materials				
DUI-001	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
DUI-002	Gray Duct Insulation	Chrysotile 80%	Not Required	Friable
DUI-003	Gray Duct Insulation	Chrysotile 67%	Not Required	Friable
CPL-010	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-011	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-012	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
WPL-013	Gray Wall Plaster	None Detected	Not Required	Non-Friable
ACT-014	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Non-Friable
ACT-015	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	Non-Friable
WPL-018	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-019	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
PAP-024	Tan Paper	None Detected	Not Required	Non-Friable
PAP-025	Tan Paper	None Detected	Not Required	Non-Friable
DWL-034	Gray Drywall	None Detected	Not Required	Non-Friable
DWL-035	Gray Drywall	None Detected	Not Required	Non-Friable
Flooring Materials				
FT9-004	Green 9"x9" Floor Tile	Chrysotile 5.0%	Not Required	NOB
FT9-005	Green 9"x9" Floor Tile	Chrysotile 7.3%	Not Required	NOB
FT9-006	Black 9"x9" Floor Tile	Chrysotile 5.2%	Not Required	NOB
FT9-007	Black 9"x9" Floor Tile	Chrysotile 5.3%	Not Required	NOB
TRP-008	Black Tar Paper	Inconclusive No Asbestos Detected	None Detected	NOB
TRP-009	Black Tar Paper	Inconclusive Trace Chrysotile Detected	Trace Chrysotile	NOB
FT1-016	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-017	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-020	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-021	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
Miscellaneous Materials				
TRN-026	Gray Transite	Chrysotile 31%	Not Required	Non-Friable
TRN-027	Gray Transite	Chrysotile 27%	Not Required	Non-Friable
Roofing Materials				
ROS-028	Red/Gray Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-029	Red Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
FLA-030	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-031	Red/Gray Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-032	Red Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
FLA-033	Black Flashing	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-036	Gray Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB

MATERIALS TESTED
533 Conkey Avenue
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
ROS-037	Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-038	Gray Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-039	Black Roof Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
FLA-040	Black Flashing	Chrysotile 6.4%	Not Required	NOB
FLA-041	Black Flashing	Chrysotile 5.3%	Not Required	NOB
Window Glaze and Caulk				
WIG-022	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable
WIG-023	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	Non-Friable

**ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY
533 Conkey Avenue
Rochester, New York**

Room	Sample #'s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement 1000 square feet	001-003	DUI-001, 002, 003	Gray Duct Insulation	On Duct Work	Poor	Friable	TSI	15		
1st Floor										
Room 1 Hallway 75 square feet	004-009	FT9-004, 005 FT9-006, 007	Green 9"x9" Floor Tile	Floor 1st Layer	Poor	NOB	MISC	45		
			Black 9"x9" Floor Tile	Floor 1st Layer	Poor	NOB	MISC	30		
Room 2 Living Room 160 square feet	010, 011	None	No Asbestos Detected in Materials Tested					0	0	0
Room 3 Bathroom 64 square feet	012, 013	None	No Asbestos Detected in Materials Tested					0	0	0
Room 4 Kitchen 192 square feet	016-019	None	No Asbestos Detected in Materials Tested					0	0	0
Room 5 Bedroom 120 square feet	014, 015	None	No Asbestos Detected in Materials Tested					0	0	0
Porch	024, 025	None	No Asbestos Detected in Materials Tested					0	0	0
2nd Floor										
Room 6 Hallway 56 square feet	None	None	No Suspect Material					0	0	0
Room 7 Bathroom 100 square feet	None	None	No Suspect Material					0	0	0
Room 8 Bedroom 120 square feet	None	None	No Suspect Material					0	0	0
Room 9 Living Room 120 square feet	022, 023	None	No Asbestos Detected in Materials Tested					0	0	0
Room 10 Kitchen 120 square feet	020, 021	None	No Asbestos Detected in Materials Tested					0	0	0
Attic										
Attic	None	None	No Suspect Material					0	0	0
Exterior										
Exterior	026-033, 035-041	TRN-026, 027 FLA-040, 041	Gray Transite	Siding	Fair	Non-Friable	MISC	2100		
			Black Flashing	Rear Roof	Fair	NOB	MISC		20	
Garage	034, 035	None	No Asbestos Detected in Materials Tested					0	0	0

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.

U - Inspector unable to determine quantity

2190	20	0
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This asbestos survey is a multi-page document which must be viewed in its entirety; see limitations.

**ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY
533 Conkey Avenue
Rochester, New York**

<i>Room</i>	<i>Sample #'s taken in Room</i>	<i>Positive Sample ID #</i>	<i>Positive Material Description</i>	<i>Location of Material</i>	<i>Condition</i>	<i>Friable** Non-Friable NOB</i>	<i>Type of Material</i>	<i>SQ FT</i>	<i>Lin. FT</i>	<i>Units</i>
-------------	---------------------------------	-----------------------------	--------------------------------------	-----------------------------	------------------	------------------------------------------	-------------------------	--------------	----------------	--------------

* Reflects quantifiable locations only; additional materials maybe present, but not quantifiable per table.

** *Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.*

All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYSDOL and NYSDOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

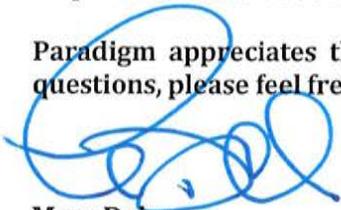
All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

Paradigm certifies that this report regarding 533 Conkey Avenue, Rochester, New York based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on February 24, 2016.



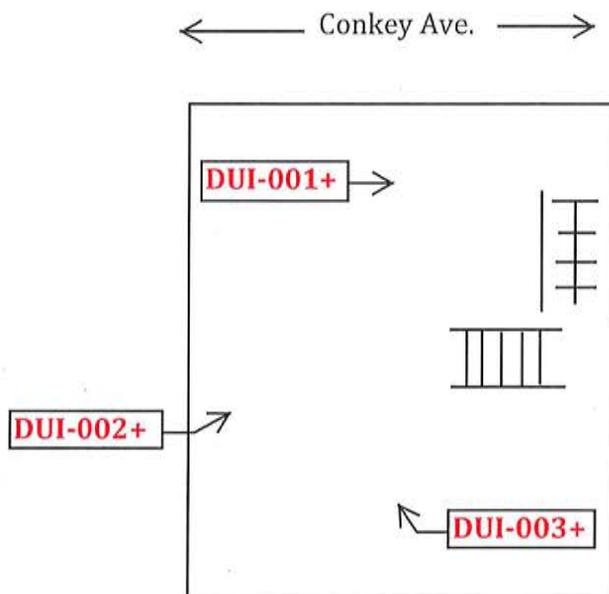
Jeff Hertel
Envoy Environmental Consultants, Inc.
Inspector #AH 13-01972

Paradigm appreciates this opportunity to provide you with our professional services. If you have any questions, please feel free to contact me at (585) 647-2530.

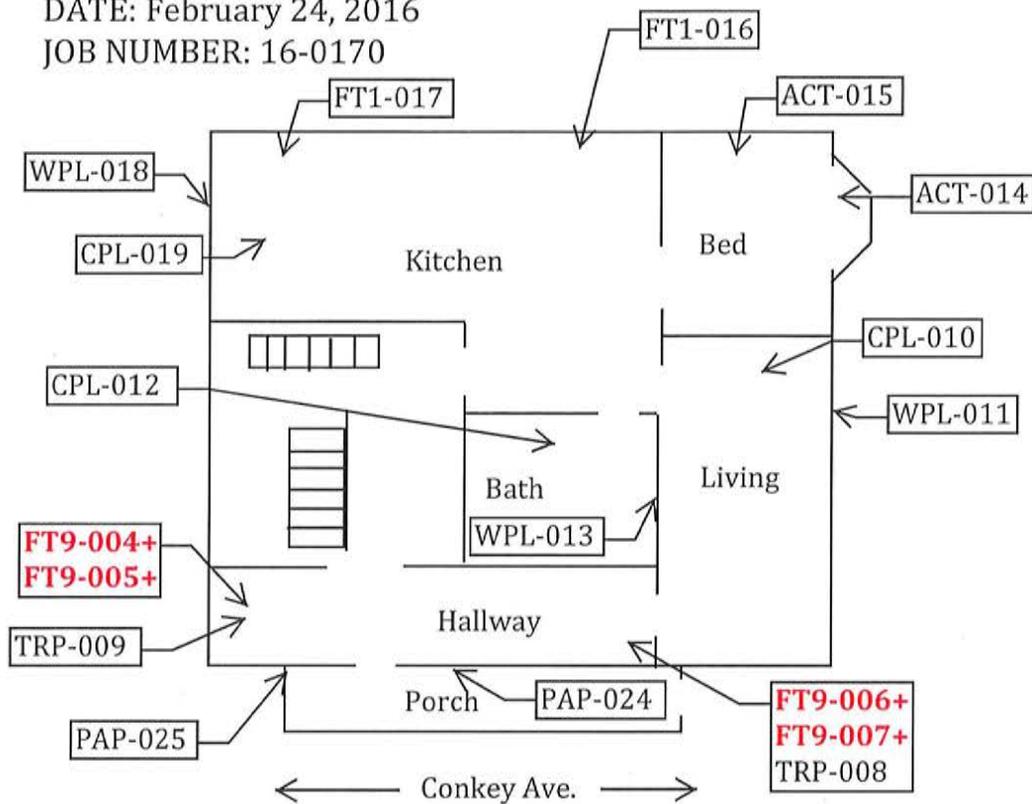


Mary Dohr
Asbestos Operations Manager
Paradigm Environmental Services, Inc.
mdohr@paradigmenv.com

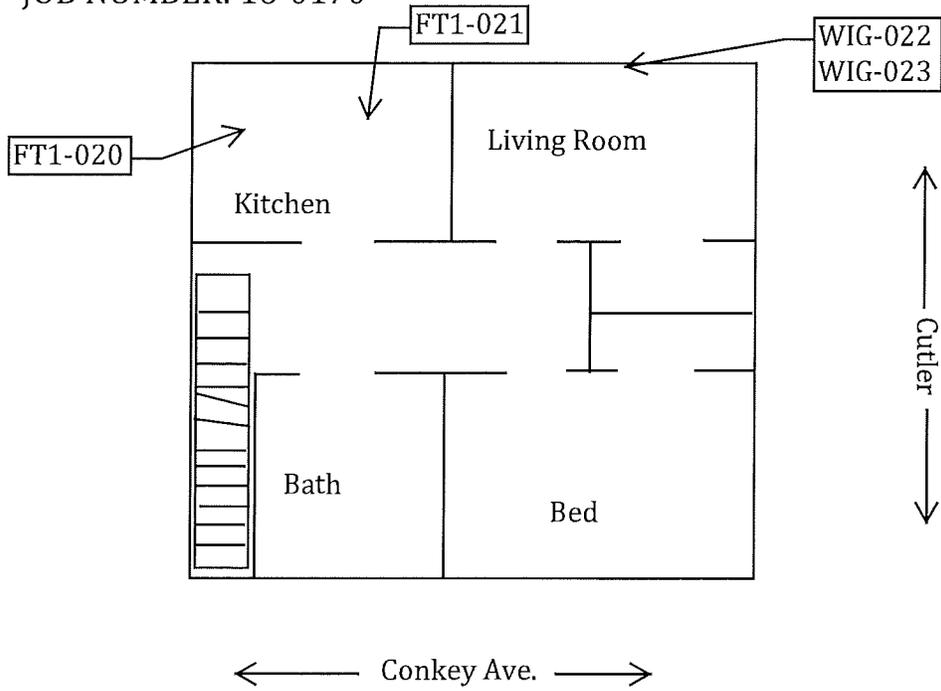
CLIENT: City of Rochester
LOCATION: 533 Conkey Avenue Rochester, New York
AREA: Basement
DATE: February 24, 2016
JOB NUMBER: 16-0170



CLIENT: City of Rochester
LOCATION: 533 Conkey Avenue Rochester, New York
AREA: 1st Floor
DATE: February 24, 2016
JOB NUMBER: 16-0170

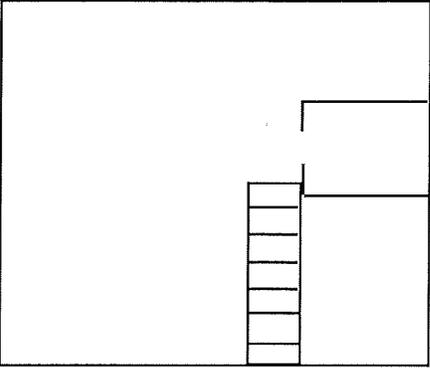


CLIENT: City of Rochester
LOCATION: 533 Conkey Avenue Rochester, New York
AREA: 2nd Floor
DATE: February 24, 2016
JOB NUMBER: 16-0170

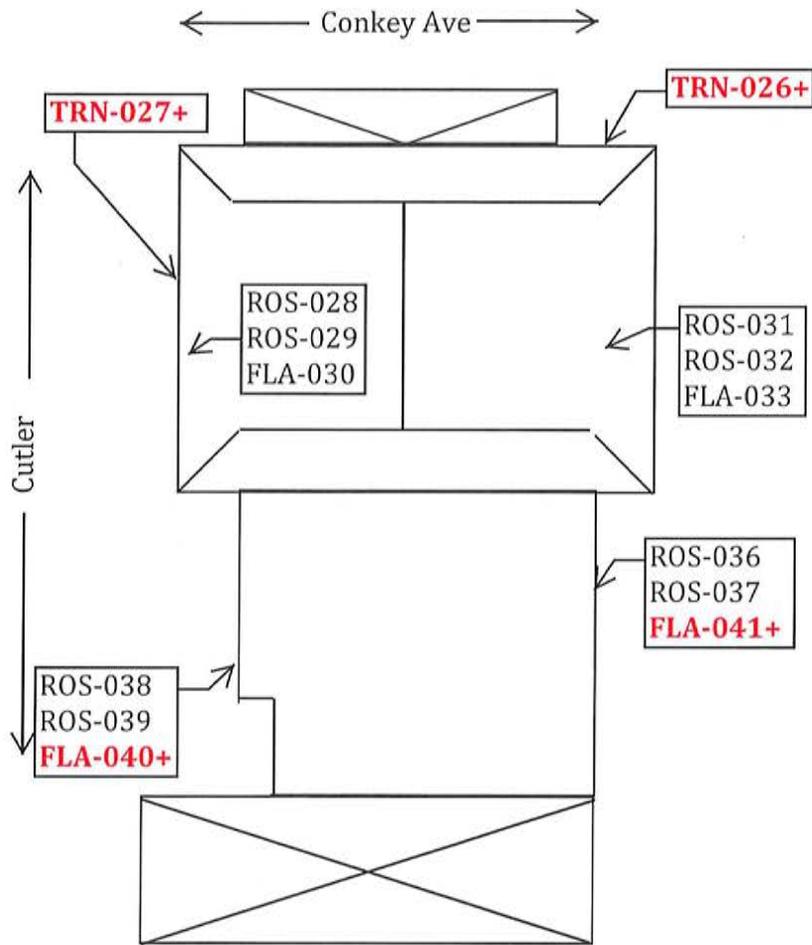


CLIENT: City of Rochester
LOCATION: 533 Conkey Avenue Rochester, New York
AREA: Attic
DATE: February 24, 2016
JOB NUMBER: 16-0170

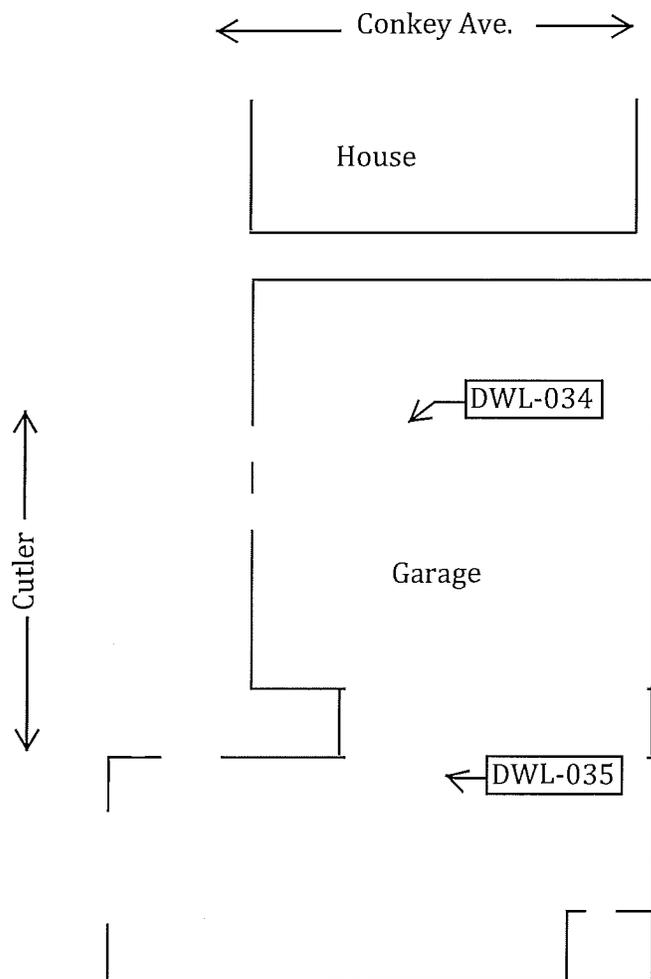
← Conkey Ave →



CLIENT: City of Rochester
LOCATION: 533 Conkey Avenue Rochester, New York
AREA: Exterior
DATE: February 24, 2016
JOB NUMBER: 16-0170



CLIENT: City of Rochester
LOCATION: 533 Conkey Avenue
AREA: Garage
DATE: February 24, 2016
JOB NUMBER: 16-0170





PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 533 Conkey Avenue
Entire Building
Sample Date: 2/24/2016

Job No: 1547-16
Page: 1 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
DUI-001	12424	Basement - Ceiling	Gray Fibrous Duct Insulation	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DUI-002	12425	Basement - Ceiling	Gray Fibrous Duct Insulation	Chrysotile 80%	80%		Not Required	N/A	Cellulose 10%	10%
DUI-003	12426	Basement - Ceiling	Gray Fibrous Duct Insulation	Chrysotile 67%	67%		Not Required	N/A	Cellulose 10%	23%
FT9-004	12427	Room 1 - Floor	Green 9"x9" Floor Tile	Chrysotile 5.0%	5%	✓	Not Required	N/A	None Detected	95%
FT9-005	12428	Room 1 - Floor	Green 9"x9" Floor Tile	Chrysotile 7.3%	7.3%	✓	Not Required	N/A	None Detected	92.7%
FT9-006	12429	Room 1 - Floor	Black 9"x9" Floor Tile	Chrysotile 5.2%	5.2%	✓	Not Required	N/A	None Detected	94.8%
FT9-007	12430	Room 1 - Floor	Black 9"x9" Floor Tile	Chrysotile 5.3%	5.3%	✓	Not Required	N/A	None Detected	94.7%
TRP-008	12431	Room 1 - Under Floor Tile	Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
TRP-009	12432	Room 1 - Under Floor Tile	Black Tar Paper	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile	<1.0%	None Detected	100%
CPL-010	12433	Room 2 - Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 2/26/2016

TEM Date Analyzed: 2/29-3/1/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman / M. Lochner

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 533 Conkey Avenue
Entire Building
Sample Date: 2/24/2016

Job No: 1547-16
Page: 2 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WPL-011	12434	Room 2 - Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
CPL-012	12435	Room 3 - Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
WPL-013	12436	Room 3 - Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
ACT-014	12437	Room 5 - Ceiling	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1%	None Detected	100%
ACT-015	12438	Room 5 - Ceiling	Tan 1'x1' Adhered Ceiling Tile	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
FT1-016	12439	Room 4 - Floor	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT1-017	12440	Room 4 - Floor	White 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WPL-018	12441	Room 4 - Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
CPL-019	12442	Room 4 - Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
FT1-020	12443	Room 10 - Floor	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

**** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.**

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 2/26/2016

TEM Date Analyzed: 2/29-3/1/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman / M. Lochner

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 533 Conkey Avenue
Entire Building
Sample Date: 2/24/2016

Job No: 1547-16
Page: 3 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
FT1-021	12444	Room 10 - Floor	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WIG-022	12445	Room 9 - Window	White Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
WIG-023	12446	Room 9 - Window	White Window Glaze	Inconclusive No Asbestos Detected	0%	#	None Detected	<1.0%	None Detected	100%
PAP-024	12447	Porch - Wall	Tan Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 98% Animal Hair 2%	0%
PAP-025	12448	Porch - Wall	Tan Fibrous Paper	None Detected	0%		Not Required	N/A	Cellulose 98% Animal Hair 2%	0%
TRN-026	12449	Exterior Siding	Gray Fibrous Transite	Chrysotile 31%	31%		Not Required	N/A	None Detected	69%
TRN-027	12450	Exterior Siding	Gray Fibrous Transite	Chrysotile 27%	27%		Not Required	N/A	None Detected	73%
ROS-028	12451	Exterior - Roof Main	Red/Gray Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ROS-029	12452	Exterior - Roof Main	Red Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FLA-030	12453	Exterior - Roof Main	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0).

PLM Date Analyzed: 2/26/2016

TEM Date Analyzed: 2/29-3/1/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman / M. Lochner

Analyst: T. Bush

Laboratory Results Approved By: _____

Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 533 Conkey Avenue
Entire Building
Sample Date: 2/24/2016

Job No: 1547-16
Page: 4 of 10

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
ROS-031	12454	Exterior - Roof Main	Red/Gray Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
ROS-032	12455	Exterior - Roof Main	Red Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FLA-033	12456	Exterior - Roof Main	Black Flashing	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
DWL-034	12457	Garage - Wall	Gray Drywall	None Detected	0%		Not Required	N/A	None Detected	100%
DWL-035	12458	Garage - Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
ROS-036	12459	Exterior - Rear Roof	Gray Fibrous Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 10%	90%
ROS-037	12460	Exterior - Rear Roof	Black Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Trace Synthetic <1.0%	100%
ROS-038	12461	Exterior - Rear Roof	Gray Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 5%	95%
ROS-039	12462	Exterior - Rear Roof	Black Roof Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FLA-040	12463	Exterior - Rear Roof	Black Flashing	Chrysotile 6.4%	6.4%	✓	Not Required	N/A	None Detected	93.6%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 2/26/2016

TEM Date Analyzed: 2/29-3/1/2016

Microscope: Olympus BH-2 #232953

TEM Analyst: F. Weinman / M. Lochner

Analyst: T. Bush

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

Mary Dohr

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ENVOY

environmental consultants, inc.

57 Middleport Road, Tonawanda, NY 14150
 585-171-1000, Fax 585-171-1005

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client: City of Rochester	Contact: Chuck Fox	Job #: 1547-16
Phone Number: (585) 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Page 2 of 2
Results To: CALL Tech <input checked="" type="checkbox"/> Client <input type="checkbox"/>	Fax Number or email address: fox@cityrochester.gov	Date Logged In: 2-24-16
Date Sampled: 2-24-2016	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>	Logged In By: fw
Project Address: 533 Conkey Ave.	Project Number: 16-0170	
Client Mailing Address: 30 Church St. Rochester NY 14614		
Job Ticket No. 92825		
Project Location: 533 Conkey Ave.		
General Location: Entire Building		

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Fraility
1 DU1-001	12424	Basement - ceiling		Grey		Duct Insulation	F
2 DU1-002	425	" "		Grey		" "	F
3 DU1-003	426	" "		Grey		" "	F
4 F19-004	427	Room 1 - Floor		Green	9x9	Floor tile	D
5 F19-005	428	" "		Green	9x9	" "	D
6 F19-006	429	" "		Black	9x9	" "	D
7 F19-007	430	" "		Black	9x9	" "	D
8 TRP-008	431	" - under Floor tile		Black		TAR Paper	D
9 TRP-009	432	" "		Black		" "	D
10 CPL-010	433	Room 2 - ceiling		Green		ceiling Paper	D

Sampled By: **J. Hertel** Date: **2-24-2016**

Transported to: **J. Hertel** Date: **2-24-16**

Paradigm By: **J. Hertel** Date: **2-24-16**

Received By: **fw** Date: **2-24-16**

CHECK ONE: SURVEY BULK SAMPLES

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: **41** Estimated at

under regulated conditions. (Danger: May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

Contained materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel

Rev. 1 0.27.2006

emailed 3/2/16 nfp

ENVOY

environmental consultants, inc.

57 Middle Street, Rochester, NY 14608
 716-243-1100
 243-1100

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client: City of Rochester	Contact: Chuck Fox	Job #: 1547-16
Phone Number: (585) 428-6922	SEND ANALYTICAL DATA TO CLIENT: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Page: 2 of 5
Results To: CALL Tech <input checked="" type="checkbox"/> Client <input type="checkbox"/>	Fax Number or email address: Fox@cityrochester.gov	Date Logged In: 2.24.16
Date Sampled: J. Hertel	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>	Logged In By: AD
Project Address: 533 Coakley Ave.	Project Number: 16-0170	

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Frailibility
1	WPL-01	Room 2 - WPAW		Grey		Wall Plaster	N
2	CPL-01a	Room 3 - ceiling		Grey		ceiling Plaster	N
3	WPL-01b	" - WALL		Grey		Wall Plaster	N
4	ACT-014	Room 5 - ceiling		tan	1x1	Acoustic ceiling tile	N
5	ACT-015	" "		tan	1x1	" "	N
6	EPL-016	Room 4 - Floor		white	12x12	Floor tile	N
7	EPL-017	" "		white	12x12	" "	N
8	WPL-018	" - WALL		Grey		Wall Plaster	N
9	CPL-019	" - ceiling		Grey		ceiling Plaster	N
10	EPL-020	Room 10 - Floor		Grey	12x12	Floor tile	N

Sampled By: **J. Hertel** Date: **2.24.2016**

Transported to: **J. Hertel**

Paradigm By: **J. Hertel** Date: **2-24-16**

Received By: **AD** Date: **2.24.16**

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger! May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

CHECK ONE: SURVEY BULK SAMPLES

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: **4** Estimated at:

ENVOY

environmental consultants, inc.

57 ANSON STREET, NEEDHAM HEIGHTS, MA 01908
 TEL: 781-441-1000 FAX: 781-441-1000

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client: City of Rochester

Phone Number: (585) 428-6922

Results To: CALL Tech client

Date Sampled: J. Hertel

Project Address: 533 Conkey Ave.

Contact: Chuck Fox

SEND ANALYTICAL DATA TO CLIENT: YES NO

Fax Number or email address: Fox@cityofrochester.gov

Turn Around Time: 1 2 3 5 Immed

Project Number: 16-0170

Job #: 1547-16

Page 2 of 2

Date Logged In: 2.24.16

Logged In By: fw

3 of 5

General Location: Entire Building

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	FT1-021	Room 10 - Floor		Grey	12x12	Floor tile	N
2	WD1G-022	Room 9 - window		white		Window Sill	N
3	WD1G-023	" "		white		" "	N
4	PAP-024	Porch - wall		TAN		Paper	N
5	PAP-025	" "		TAN		" "	N
6	TRU-026	Exterior siding		Grey		" "	N
7	TRU-027	" "		Grey		transite	N
8	ROS-028	Exterior Roof main		Grey		transite	N
9	ROS-029	" "		Red		Roof Shingle	N
10	EIA-030	" "		Black		Flashing	N

Sampled By: J. Hertel Date: 2.24.2016

CHECK ONE: SURVEY BULK SAMPLES ONLY

Transported to Paradigm By: J. Hertel Date: 2-24-16

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

Received By: fw Date: 2.24.16

TOTAL NUMBER OF SAMPLES IN SURVEY: 41 Estimated at

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger! May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

ENVOY

environmental consultants, inc.

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

57 Middle Street, Rochester, NY 14609
 716-241-1100, Fax 716-241-1109

Client Mailing Address:
 30 Church St.
 Rochester NY 14614

Job Ticket No. 92825

Project Location: 533 Cowkey Ave.

General Location: Entire Building

Client: City of Rochester

Phone Number: (585) 428-6922

Results To: CALL Tech client

Date Sampled: J. Hertel

Project Address: 533 Cowkey Ave.

Contact: Chuck Fox

SEND ANALYTICAL DATA TO CLIENT: YES NO
 Fax Number or email address: Fox@cityofrochester.gov

Turn Around Time: 1 2 3 5 Immed

Project Number: 16-0170

Job #: 1547-16

Page 2 of 2

Date Logged In: 2-24-16

Logged In By: fb
4 of 5

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Triability
1	ROS-031	18454		Red/Grey		Roof Shingle	N
2	ROS-032	455		Red		"	N
3	FA-033	456		Black		FLASHING	N
4	DWLE-034	457		Grey		Drywall	N
5	DWLE-035	458		Grey		Drywall	N
6	ROS-036	459		Grey		Roof Shingle	N
7	ROS-037	460		Black		"	N
8	ROS-038	461		Grey		"	N
9	ROS-039	462		Black		"	N
10	FA-040	463		Black		FLASHING	N

Sampled By: J. Hertel Date: 2-24-2016

Transported to J. Hertel

Paradigm By: J. Hertel Date: 2-24-16

CHECK ONE: SURVEY BULK SAMPLES ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 41 Estimated at

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.

57 Ambrose Street

Rochester, NY 14608

FILE NUMBER: 02-0527

LICENSE NUMBER: 28454

LICENSE CLASS: RESTRICTED

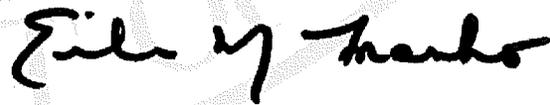
DATE OF ISSUE: 06/11/2015

EXPIRATION DATE: 06/30/2016

Duly Authorized Representative – Paul Mahoney:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2016
Issued April 01, 2015



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

Sample Preparation Methods

EPA 3050B

Serial No.: 52201

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5576 to verify the laboratory's accreditation status.



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200530-0

NVLAP Code Designation / Description

18/A01 EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

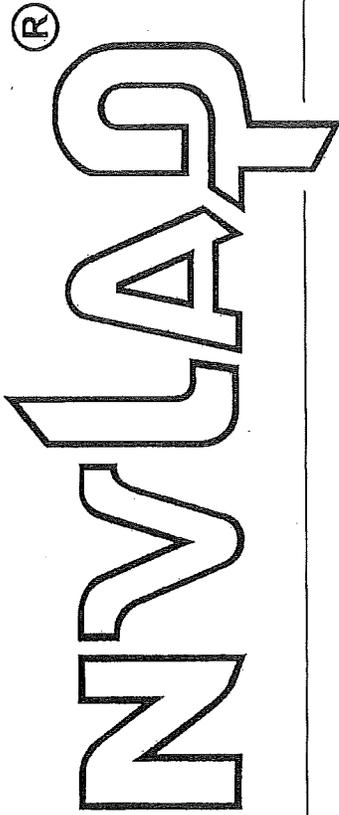
18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

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

BULK ASBESTOS FIBER ANALYSIS

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

2015-07-01 through 2016-06-30

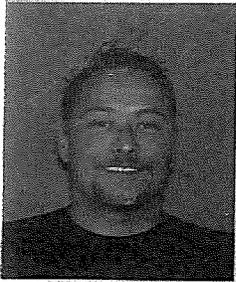
Effective dates



A handwritten signature in black ink, appearing to read "William R. Milled".

For the National Institute of Standards and Technology

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



JEFFREY J HERTEL

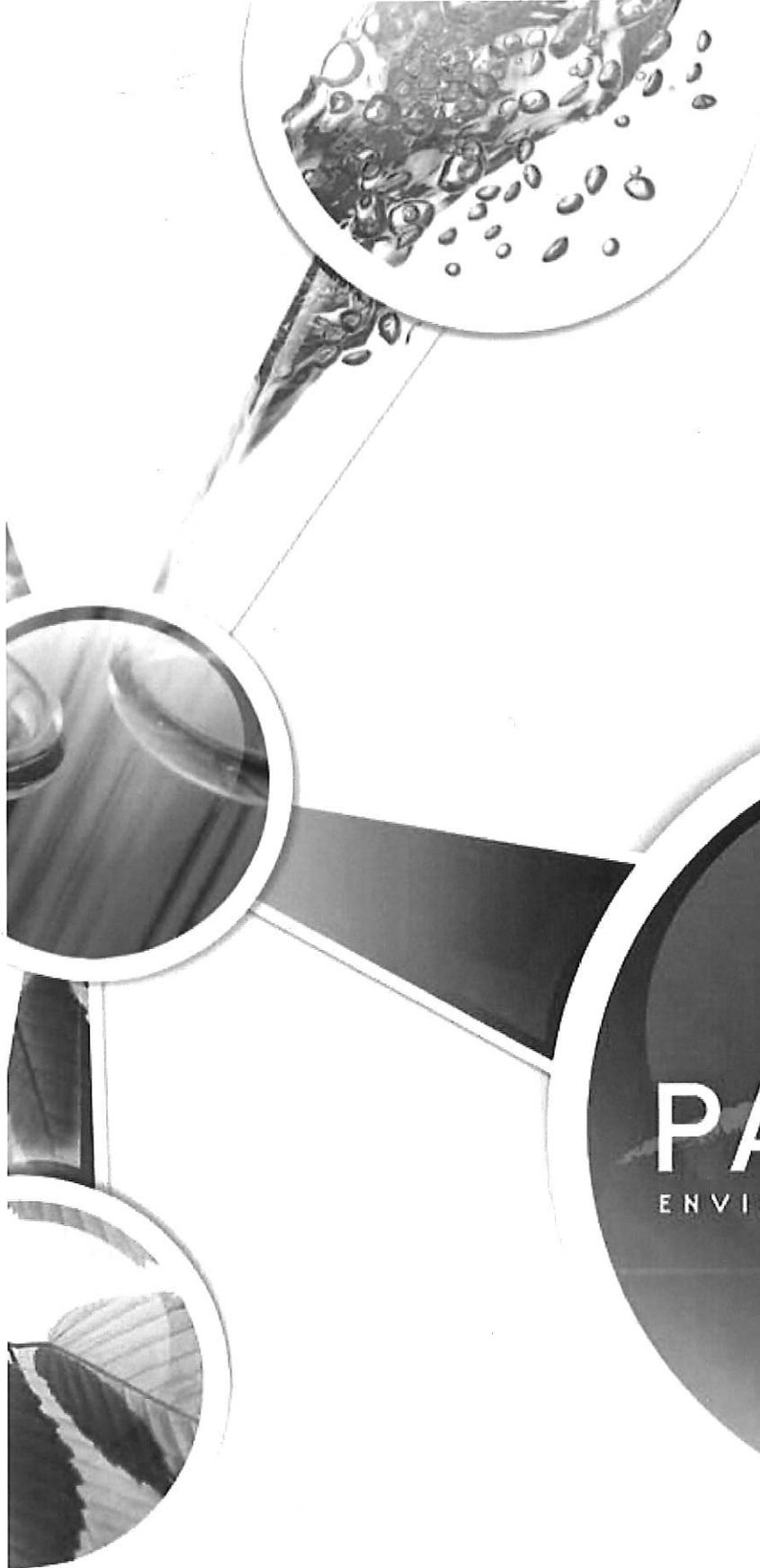
CLASS(EXPIRES)

C ATEC(06/16) D INSP(06/16)

H PM (06/16) I PD (06/16)

CERT# 13-01972
DMV# 482095384

MUST BE CARRIED ON ASBESTOS PROJECTS



Pre-Demolition Asbestos Survey

at

673 Bay Street
Rochester, New York

February 25, 2016

PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester
New York 14608 (585) 647-2530

Prepared for:
City of Rochester
30 Church Street
Rochester, New York 14614
Job Number: 16-0169

**673 BAY STREET
ROCHESTER, NEW YORK**

TABLE OF CONTENTS

INTRODUCTION

LIMITATIONS

CONCLUSIONS

MATERIALS LIST

ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY

DRAWINGS

LABORATORY REPORTS

CHAINS OF CUSTODY

CERTIFICATIONS

INTRODUCTION

Paradigm Environmental Services, Inc. was retained by the **City of Rochester** on **February 25, 2016** to conduct an inspection for the detection of asbestos containing materials located at **673 Bay Street, Rochester, New York**.

The objective of this inspection was to identify and assess with due diligence the locations, quantities, friability and condition of all types of asbestos containing materials at the above referenced location. Paradigm Environmental performed all sample analysis and analytical reports for this project. Field services and survey reports were generated by Envoy Environmental Consultants as a subcontractor to Paradigm. Envoy Environmental Consultants inspectors Joshua Scheuermann (AH#10-00221) and Geoff Siebert (AH#03-06811) conducted this inspection with the procedures and guidelines dictated by state and federal regulatory agencies. The inspectors of Envoy Environmental Consultants, Inc. selected materials for inclusion in this report through an understanding of the scope of the renovation as indicated by the building owner and the historical uses of asbestos in general. Generally, if a building material within a structure could contain asbestos the material was included in the survey.

Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded and cross-referenced to prepared sketches. Individual samples were also recorded on a chain of custody document. Samples were then transported to the Paradigm analytical laboratory for asbestos analysis.

The Paradigm laboratory is accredited through NYSDOH/ELAP (Lab ID# 10958) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from the point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples:

New York State Department of Health, ELAP Method 198.1 and 198.6 ("Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.").
New York State Department of Health, ELAP Method 198.4 ("Transmission Electron Microscope Method for Identifying and Quantitating Asbestos in Non-Friable Organically Bound Bulk Samples").

LIMITATIONS

The information provided in this report was compiled from field and laboratory data and was prepared for the **City of Rochester** and referenced to **673 Bay Street, Rochester, New York**. Materials noted and recorded are intended to represent subject site at the time and date that the observations were made. Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogenous throughout their application. Determinations of suspect asbestos containing materials within the building were subject to the accessibility of each individual area or space. Determinations of asbestos containing materials were made by means of bulk sampling, physical assessment or visual assessment if the materials were not accessible. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us, not reasonably accessible, or not part of the scope of the project as defined by the client. Envoy Environmental Consultants Inc. and Paradigm Environmental Services, Inc. assumes no liability for any buildings that were not identified by the client that may fall under state or federal regulation. All conclusions provided in this report are based on the bulks sampling that was performed at the above mentioned site on the above mentioned dates.

As per the direction of the client, City of Rochester, this survey was limited to suspect asbestos containing materials as listed in the materials tested table; if additional materials will be impacted by the demolition these materials should be considered asbestos containing until tested.

All quantities are approximations and must be field verified by the contractor prior to the submittal of bids. Contractor bids are expected to be based on their own determination of quantities and not the quantities stated in this report.

This asbestos survey report is not intended to be a bid document for a scope of work for the asbestos abatement contractor. The survey report only identifies and assesses the location, quantity and condition of ACM, PACM or asbestos materials at the subject site. The asbestos survey report is intended to be used as a tool in the development of an asbestos abatement project design or work scope. Under the Code Rule regulation this task can only be performed by a Certified Project Designer.

Energized mechanical or electrical systems were not sampled as part of the survey, and were visually assessed as ACM (Asbestos Containing Material). Suspect materials that are visually assessed by the inspector as ACM shall be treated as ACM, unless bulk sampling is conducted consistent with EPA and OSHA accepted methods, and the analysis meets the requirements of Code Rule 56 and the suspect material is found not to be asbestos containing. These systems may contain one or more of the following components, but are not limited to these components: brakes, clutches, gaskets, insulating panels, blocks or backer boards, wire insulation, explosion proof lighting gaskets and fitting packings, insulating papers, pipe sleeve packings, fire stops, caulks, paints and coatings.

CONCLUSIONS

Paradigm Environmental Services, Inc. was retained to perform a pre-demolition asbestos survey from **673 Bay Street, Rochester, New York** on **February 25, 2016**. A New York State certified inspector sampled suspect asbestos containing materials from the above mentioned site. Sample locations and custody information were recorded and the samples were transported to the Paradigm laboratory for analysis.

Transmittal of Building/Structure Asbestos Survey Information – As required by New York State Industrial Code Rule 56, one (1) copy of the results of the building/structure asbestos survey shall be immediately transmitted by the building/structure owner as follows:

- One (1) copy of the completed asbestos survey shall be sent by the owner or their agent to the local entity charged with issuing a permit for such demolition, renovation, remodeling or repair work under State or local laws.
- The completed asbestos survey for controlled demolition (as per Subpart 56-11.5) or pre-demolition asbestos projects shall be submitted to the appropriate Asbestos Control Bureau district office.
- The completed asbestos survey shall be kept on the construction site with the asbestos notification and variance, if required, throughout the duration of the asbestos project and any associated demolition, renovation, remodeling or repair project.

The following is a brief description of the space by space survey.

<i>Col. 1</i>	<i>Col. 2</i>	<i>Col. 3</i>	<i>Col. 4</i>	<i>Col. 5</i>	<i>Col. 6</i>	<i>Col. 7</i>	<i>Col. 8</i>	<i>Col. 9</i>	<i>Col. 10</i>	<i>Col. 11</i>
<i>Room #</i>	<i>Sample #'s taken in Room</i>	<i>Positive Sample ID #</i>	<i>Positive Material Description</i>	<i>Location of Material</i>	<i>Condition</i>	<i>Friable Non-Friable NOB</i>	<i>Type of Material</i>	<i>SQ FT</i>	<i>Lin FT</i>	<i>Units</i>

1. Column 1: indicates the Room number, room description and estimated square footage of the room referenced to the attached map/drawing.
2. Column 2: indicates the bulk sample numbers that were taken in the Room indicated in column 1. i.e. 001-007 means samples one through seven were sampled in the room, none would indicate that no samples were taken in the room. You will not see the first three letters of the sample in this column. If you would like to know the materials that were tested in the room please refer to the analytical results which are documented in numerical order.
3. Column 3: indicates the sample number that proves the material is positive for asbestos content. This sample may have taken in the space in column 1 or determined a homogeneous area (material) by the inspector to a sample that was taken in another space. For the purpose of this report all samples are assigned a six digit alphanumeric sample identification number. The first three letters/numbers indicate the material, found in column 4. The last three numbers indicate the sample number in the sequence in which they were taken. If there is a letter after the last three numbers, this indicates that the laboratory or the inspector determines that there were multiple layers within the sample, requiring additional sampling under EPA protocols.
4. Column 4: gives a brief description of the asbestos containing material or the material that is to be treated as asbestos containing as determined by the inspector. At times non-asbestos materials are contaminated with asbestos, therefore must be treated as asbestos.
5. Column 5: indicates a brief description of the location of the material in the room and not the location where the sample was taken from. You will find locations of where each sample was taken from on the analytical sampling results.
6. Column 6: indicates the physical condition of the material as assessed by the inspector in the space indicated in column 1, according to the condition description described below. For the purpose of this report, the condition of the ACM will be reported in good, fair or poor condition. Conditions will be listed in column 6 of the survey report will be as follows;
 - a. **Good:** means material is intact with no visible damage.
 - b. **Fair:** means material contains fewer than 10% distributed damage or 25% localized damage.
 - c. **Poor:** means material contains over 10% distributed damage or 25% localized damage.
 Conditions listed in column 6 of the space by space survey report are only related to the specific material for the specific space.
7. Column 7: indicates the friability of the material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
8. Column 8: indicates the type of material in that space as determined by the inspector and the analytical laboratory consistent with Code Rule 56 and EPA regulations.
9. Column 9: indicates the square footage of ACM material found in the space.
10. Column 10: indicates the linear footage of ACM material found in the space. Pipe insulation that is two feet or greater in diameter is required to be reported in square feet according to code Rule 56.
11. Column 11: indicates the units of ACM material found in the space.

MATERIALS TESTED
673 Bay Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
Wall and Ceiling Materials				
DWL-004	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-005	White Spackle	None Detected	Not Required	Non-Friable
WPL-006	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-007	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-008	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-009	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
SCT-010	Gray 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	NOB
SCT-011	Gray 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	None Detected	NOB
CRM-020	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
CRM-021	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	None Detected	NOB
WPL-022	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-023	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-024	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-025	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
SPK-026	White Spackle	None Detected	Not Required	Non-Friable
WPL-031	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-032	Gray Wall Plaster	None Detected	Not Required	Non-Friable
WPL-033	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-034	Gray Wall Plaster	None Detected	Not Required	Non-Friable
WPL-035	White Wall Plaster	None Detected	Not Required	Non-Friable
WPL-036	Gray Wall Plaster	None Detected	Not Required	Non-Friable
CPL-037	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-038	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-039	White Ceiling Plaster	None Detected	Not Required	Non-Friable
CPL-040	Gray Ceiling Plaster	None Detected	Not Required	Non-Friable
DWL-041	Gray Drywall	None Detected	Not Required	Non-Friable
SPK-042	White Spackle	None Detected	Not Required	Non-Friable
Flooring Materials				
FT1-012	Gray 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	Trace Chrysotile <1.0%	NOB
FT1-013	Multi-Colored 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-014	Gray Sheet Vinyl	Chrysotile 17%	Not Required	Non-Friable
FT1-015	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
FT1-016	Multi-Colored 12"x12" Floor Tile	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-017	Gray Sheet Vinyl	Chrysotile 21%	Not Required	Non-Friable
SVL-018	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-019	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-027	Light Gray Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-028	Green Sheet Vinyl and Backing	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	NOB

MATERIALS TESTED
673 Bay Street
Rochester, New York

Sample ID	Description of Material	PLM Asbestos Fibers Type & Percentage	TEM Asbestos Fibers Type & Percentage	Friable Non-Friable NOB
SVL-029	Light Gray Sheet Vinyl	Inconclusive No Asbestos Detected	None Detected	NOB
SVL-030	Green Sheet Vinyl	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	NOB
FT9-043	Gray 9"x9" Floor Tile	Chrysotile 4.0%	Not Required	NOB
FT9-044	Gray 9"x9" Floor Tile	Chrysotile 1.5%	Not Required	NOB
Thermal System Insulation				
DIT-001	Gray Duct Insulation Tape	Chrysotile 67%	Not Required	Friable
DIT-002	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
DIT-003	Gray Duct Insulation Tape	Chrysotile 80%	Not Required	Friable
Miscellaneous Materials				
CLK-053	Gray Caulk	Inconclusive No Asbestos Detected	None Detected	NOB
CLK-054	Gray Caulk	Inconclusive No Asbestos Detected	None Detected	NOB
TRN-055	Gray Transite	Chrysotile 44%	Not Required	Non-Friable
TRP-056	Black Tar Paper	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
TRN-057	Gray Transite	Chrysotile 36%	Not Required	Non-Friable
TRP-058	Black Tar Paper	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
Roofing Materials				
ROS-045	Gray Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-046	Multi-Colored Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-047	Tan Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-048	Gray Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
ROS-049	Multi-Colored Roofing Shingle	Inconclusive No Asbestos Detected	Trace Chrysotile <1.0%	NOB
ROS-050	Tan Roofing Shingle	Inconclusive No Asbestos Detected	None Detected	NOB
Window Glaze and Caulk				
WIG-051	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	NOB
WIG-052	White Window Glaze	Inconclusive No Asbestos Detected	None Detected	NOB

**ASBESTOS CONTAINING MATERIALS
SPACE BY SPACE SUMMARY
673 Bay Street
Rochester, New York**

Room	Sample # #s taken in Room	Positive Sample ID #	Positive Material Description	Location of Material	Condition	Friable** Non-Friable NOB	Type of Material	SQ FT	Lin. FT	Units
Basement										
Basement	001-003	DIT-001, 002, 003	Gray Duct Insulation Tape	Duct Work	Poor	Friable	TSI	80		
1st Floor										
Porch	027-030	None	No Asbestos Detected in Materials Tested					0	0	0
Room 1	004, 005, 010, 011, 026	None	No Asbestos Detected in Materials Tested					0	0	0
Room 2 Living Room	006-009	None	No Asbestos Detected in Materials Tested					0	0	0
Room 3 Living Room	022-025	None	No Suspect Materials					0	0	0
Room 4 Kitchen	012-017	SVL-014, 017	Gray Sheet Vinyl	Floor - 3rd Layer	Fair	Friable	MISC	256		
Room 5	018-021	None	No Asbestos Detected in Materials Tested					0	0	0
2nd Floor										
Room 6 Bathroom 96 square feet	041-044		Gray 9"x9" Floor Tile	Floor	Fair	NOB	MISC	96		
Room 7	039, 040	None	No Asbestos Detected in Materials Tested					0	0	0
Room 8	035-038	None	No Asbestos Detected in Materials Tested					0	0	0
Room 9	033, 034	None	No Asbestos Detected in Materials Tested					0	0	0
Room 10	031, 032	None	No Asbestos Detected in Materials Tested					0	0	0
Exterior										
Exterior	045-058	TRN-055, 057	Gray Transite	Siding	Fair	Non-Friable	MISC	2600		

Assume- Indicates materials assumed positive for asbestos containing materials by inspector.

U - Inspector unable to determine quantity

3032	0	0
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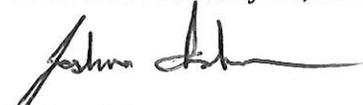
* Reflects quantifiable locations only; additional materials maybe present, but not quantifiable per table.

** Materials are categorized as friable or non-friable based on their intact condition. For designer abatement purposes materials labeled as non-friable may become friable, based on methods of handling.

All layers of multi-layered systems are analyzed, quantified and reported separately, as specified by NYS DOL and NYS DOH. In some cases, multi-layered systems may be combined for design and abatement purposes, with effective quantities adjusted accordingly.

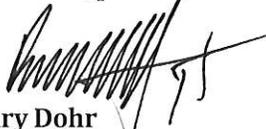
All quantities in this report are approximations and must be field verified by the Abatement contractor. Contractor bids are expected to be based on their own determinations of quantities and not the approximate quantities stated in this report.

Paradigm certifies that this report regarding 673 Bay Street, Rochester, New York based on the observations of the inspector and believes it to be an accurate representation of the conditions as they existed on February 25, 2016.



Joshua Scheuermann
Envoy Environmental Consultants, Inc.
Inspector #AH 10-00221

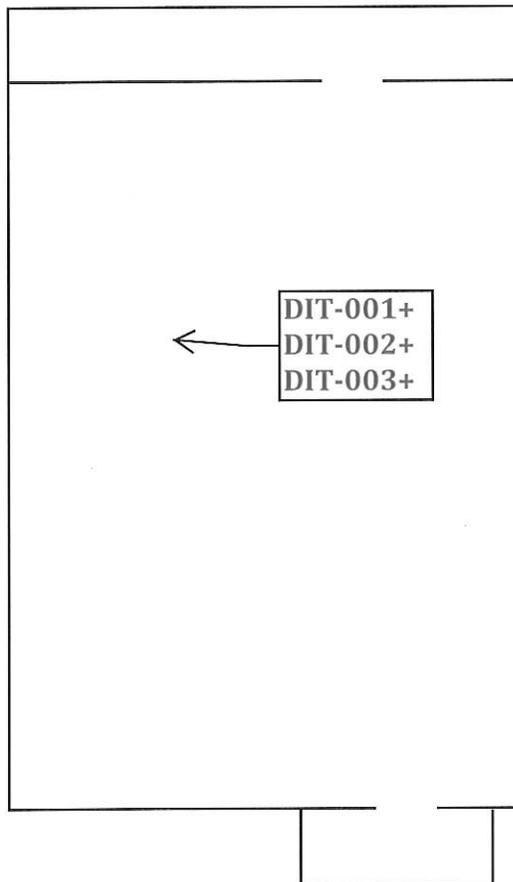
Paradigm appreciates this opportunity to provide you with our professional services. If you have any questions, please feel free to contact me at (585) 647-2530.



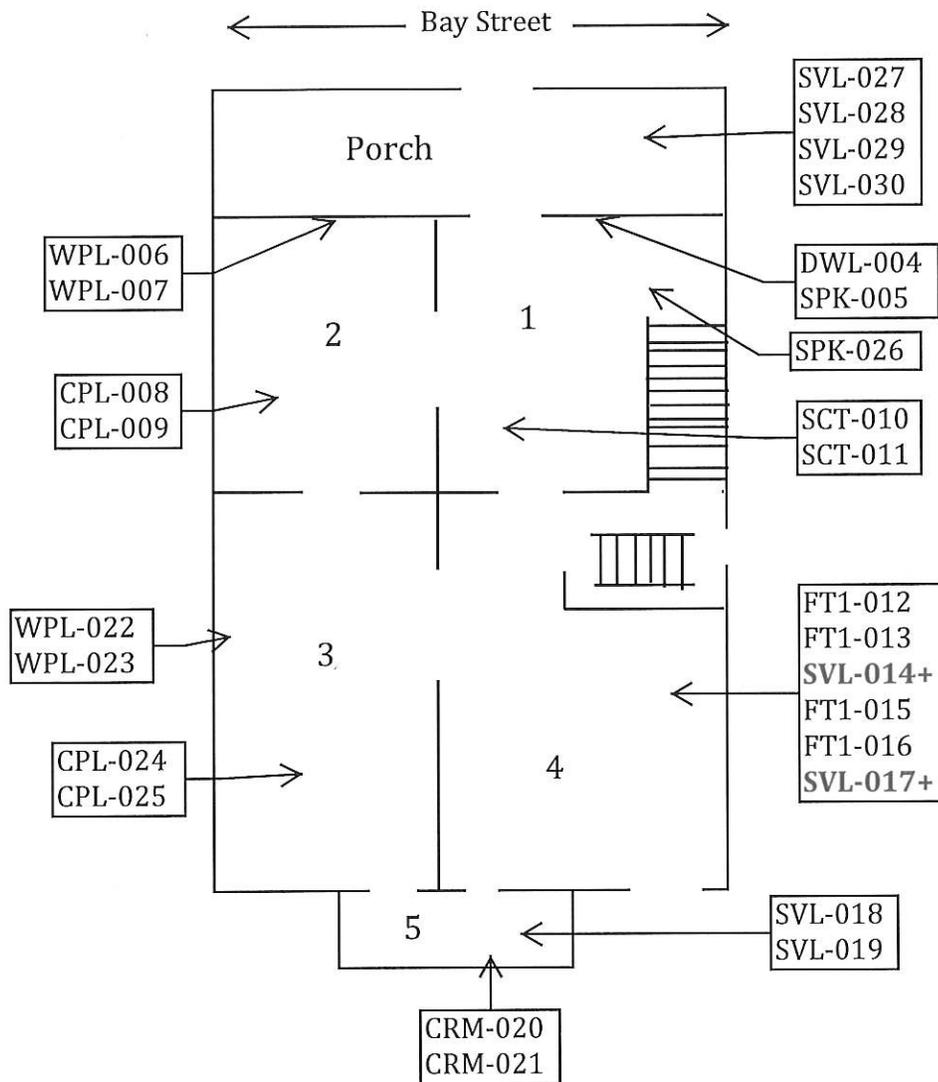
Mary Dohr
Asbestos Operations Manager
Paradigm Environmental Services, Inc.
mdohr@paradigmenv.com

CLIENT: City of Rochester
LOCATION: 673 Bay Street
AREA: Basement
DATE: February 25, 2016
JOB NUMBER: 16-0169

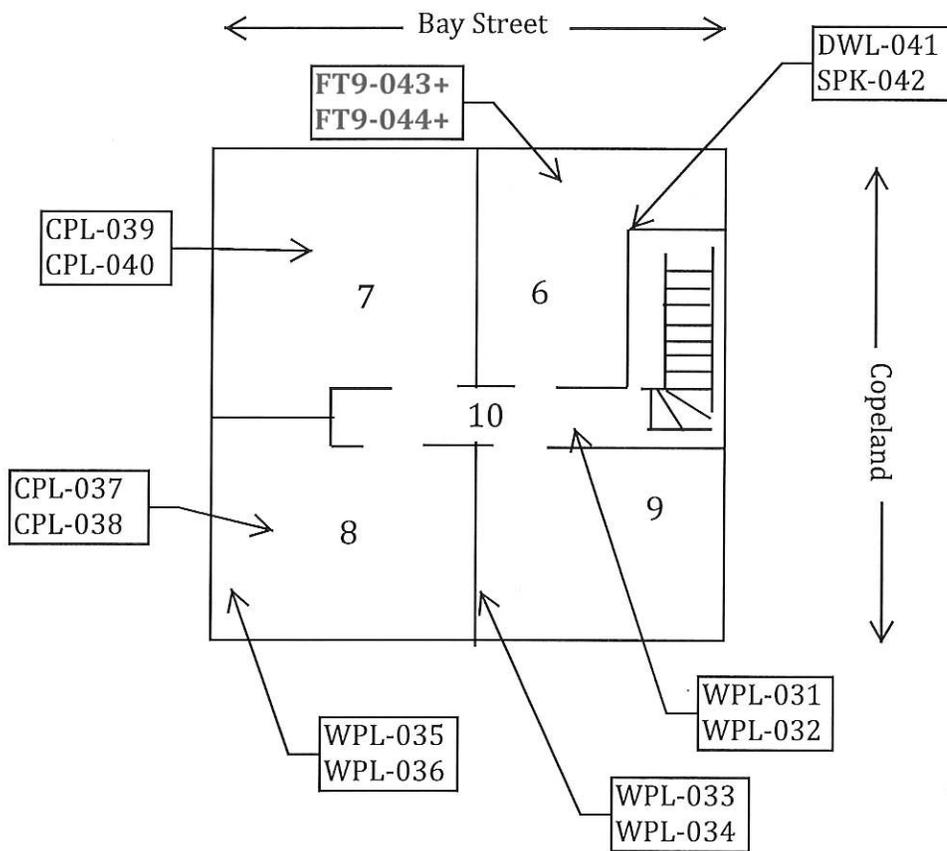
← Bay Street →



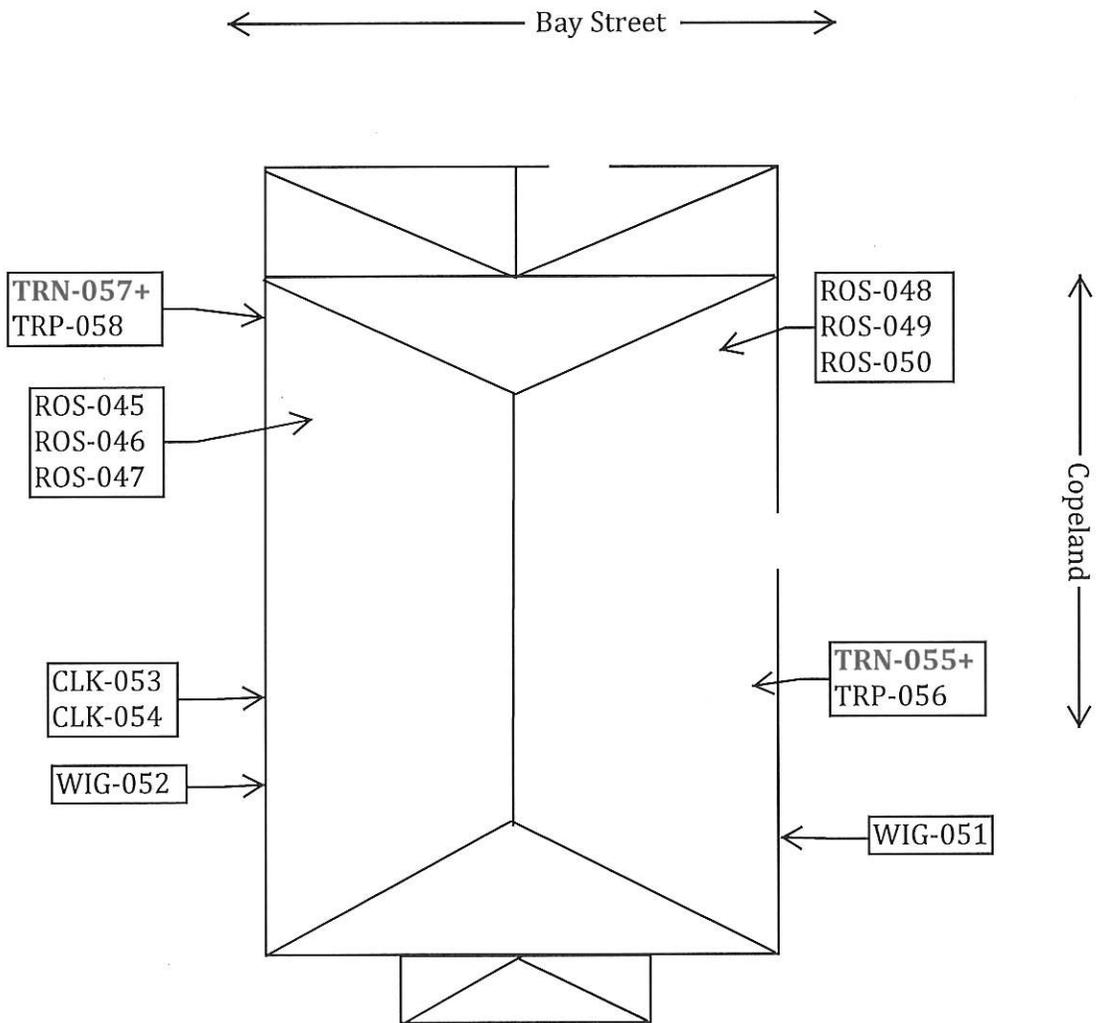
CLIENT: City of Rochester
LOCATION: 673 Bay Street
AREA: 1st Floor
DATE: February 25, 2016
JOB NUMBER: 16-0169



CLIENT: City of Rochester
LOCATION: 673 Bay Street
AREA: 2nd Floor
DATE: February 25, 2016
JOB NUMBER: 16-0169



CLIENT: City of Rochester
LOCATION: 673 Bay Street
AREA: Exterior
DATE: February 25, 2016
JOB NUMBER: 16-0169





PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 673 Bay Street
Rochester, New York

Job No: 1611-16
Page: 1 of 6

Sample Date: 2/25/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix %
DIT-001	12912	Basement Duct	Gray Fibrous Duct Insulation Tape	Chrysotile 67%	67%		Not Required	N/A	None Detected	33%
DIT-002	12913	Basement Duct	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DIT-003	12914	Basement Duct	Gray Fibrous Duct Insulation Tape	Chrysotile 80%	80%		Not Required	N/A	None Detected	20%
DWL-004	12915	Room 1 Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 2% Fiberglass <1.0%	98%
SPK-005	12916	Room 1 Wall	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-006	12917	Room 2 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-007	12918	Room 2 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-008	12919	Room 2 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-009	12920	Room 2 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
SCT-010	12921	Room 1 Ceiling	Gray Fibrous 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Mineral Wool 30%	70%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∨ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 3/1/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 673 Bay Street
Rochester, New York

Job No: 1611-16
Page: 2 of 6

Sample Date: 2/25/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
SCT-011	12922	Room 1 Ceiling	Gray Fibrous 2'x4' Suspended Ceiling Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT1-012	12923	Room 4 Floor L1	Gray 12"x12" Floor Tile	Inconclusive Trace Chrysotile Detected	<1.0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
FT1-013	12924	Room 4 Floor L2	Multi-Colored 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
SVL-014	12925	Room 4 Floor L3	Gray Fibrous Sheet Vinyl	Chrysotile 17%	17%	#	Not Required	N/A	None Detected	83%
FT1-015	12926	Room 4 Floor L1	Gray 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
FT1-016	12927	Room 4 Floor L2	Multi-Colored 12"x12" Floor Tile	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
SVL-017	12928	Room 4 Floor L3	Gray Fibrous Sheet Vinyl	Chrysotile 21%	21%	#	Not Required	N/A	None Detected	79%
SVL-018	12929	Room 5 Floor	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 3%	97%
SVL-019	12930	Room 5 Floor	Tan Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 3%	97%
CRM-020	12931	Room 5 Wall Behind Tile	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

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✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∨ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 3/1/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 673 Bay Street
Rochester, New York

Job No: 1611-16
Page: 3 of 6

Sample Date: 2/25/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
CRM-021	12932	Room 5 Wall Behind Tile	Tan Ceramic Tile Mastic	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
WPL-022	12933	Room 3 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-023	12934	Room 3 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
CPL-024	12935	Room 3 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-025	12936	Room 3 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
SPK-026	12937	Room 1 Wall	White Spackle	None Detected	0%		Not Required	N/A	Cellulose 2%	98%
SVL-027	12938	Porch Floor L1	Light Gray Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 2%	98%
SVL-028	12939	Porch Floor L2	Green Sheet Vinyl and Backing	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	✓	N/A	N/A	N/A	N/A
SVL-029	12940	Porch Floor L1	Light Gray Sheet Vinyl	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 2%	98%
SVL-030	12941	Porch Floor L2	Green Sheet Vinyl	<1.0% Residue Remaining. PLM and TEM Not Required.	N/A	✓	N/A	N/A	N/A	N/A



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∨ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

*** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 3/1/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #235757

TEM Analyst: N/A

Analyst: B. Weinman

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

Paradigm Environmental Services, Inc. is not responsible for the data supplied by an independent inspector. National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Quality control data (including 95% confidence limits and laboratory and analysts' and precision) is available upon request.



PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 673 Bay Street
Rochester, New York

Job No: 1611-16
Page: 4 of 6

Sample Date: 2/25/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WPL-031	12942	Room 10 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-032	12943	Room 10 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
WPL-033	12944	Room 9 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-034	12945	Room 9 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
WPL-035	12946	Room 8 Wall	White Wall Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
WPL-036	12947	Room 8 Wall	Gray Wall Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
CPL-037	12948	Room 8 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-038	12949	Room 8 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%
CPL-039	12950	Room 7 Ceiling	White Ceiling Plaster	None Detected	0%		Not Required	N/A	None Detected	100%
CPL-040	12951	Room 7 Ceiling	Gray Ceiling Plaster	None Detected	0%		Not Required	N/A	Cellulose 3%	97%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

√ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∇ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 2/29/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 673 Bay Street
Rochester, New York

Job No: 1611-16
Page: 5 of 6

Sample Date: 2/25/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
DWL-041	12952	Room 6 Wall	Gray Drywall	None Detected	0%		Not Required	N/A	Cellulose 3% Fiberglass 2%	95%
SPK-042	12953	Room 6 Wall	White Spackle	None Detected	0%		Not Required	N/A	None Detected	100%
FT9-043	12954	Room 6 Floor	Gray 9"x9" Floor Tile	Chrysotile 4.0%	4.0%	✓	Not Required	N/A	None Detected	96%
FT9-044	12955	Room 6 Floor	Gray 9"x9" Floor Tile	Chrysotile 1.5%	1.5%	✓	Not Required	N/A	None Detected	98.5%
ROS-045	12956	Roof L1	Gray Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 1%	99%
ROS-046	12957	Roof L2	Multi-Colored Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 1%	99%
ROS-047	12958	Roof L3	Tan Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Synthetic 2%	98%
ROS-048	12959	Roof L1	Gray Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Fiberglass 1%	99%
ROS-049	12960	Roof L2	Multi-Colored Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	Fiberglass 1%	99%
ROS-050	12961	Roof L3	Tan Roofing Shingle	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Synthetic 2%	98%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

KEY TO NOB COLUMN SYMBOLS

No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

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denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

** Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 2/29/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:

Asbestos Operations Manager or Designee

Mary Dohr

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PLM & TEM BULK ASBESTOS ANALYSIS REPORT
via NYSDOH ELAP Method 198.1, 198.4 and 198.6

Client: City of Rochester
Location: 673 Bay Street
Rochester, New York

Job No: 1611-16
Page: 6 of 6

Sample Date: 2/25/2016

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers Type & Percentage	PLM Total Asbestos	NOB	TEM Asbestos Fibers Type & Percentage	TEM Total Asbestos	PLM Non-Asbestos Fibers Type & Percentage	Non-Fibrous Matrix Material %
WIG-051	12962	Exterior Windows	White Window Glaze	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Wollastonite 2%	98%
WIG-052	12963	Exterior Windows	White Window Glaze	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	Wollastonite 2%	98%
CLK-053	12964	Around Electrical Units	Gray Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
CLK-054	12965	Around Electrical Units	Gray Caulk	Inconclusive No Asbestos Detected	0%	✓	None Detected	<1.0%	None Detected	100%
TRN-055	12966	House Siding	Gray Fibrous Transite	Chrysotile 44%	44%		Not Required	N/A	None Detected	56%
TRP-056	12967	Behind Siding	Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%
TRN-057	12968	House Siding	Gray Fibrous Transite	Chrysotile 36%	36%		Not Required	N/A	None Detected	64%
TRP-058	12969	Behind Siding	Black Tar Paper	Inconclusive No Asbestos Detected	0%	✓	Trace Chrysotile <1.0%	<1.0%	None Detected	100%



Lab Code 200530-0 for PLM Analysis

ELAP ID No.: 10958

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No Symbol in the NOB column denotes sample analyzed by ELAP Method 198.1 (PLM).

✓ NOB (non-friable organically bound) denotes material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

∨ denotes material analyzed by ELAP Method 198.6 (PLM) per NYSDOH. This Method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.

denotes friable material analyzed by ELAP Method 198.6 (PLM) and 198.4 (TEM).

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PLM Bulk Asbestos Analysis by New York State Department of Health, ELAP Method 198.1, 198.4 and 198.6 ("Polarized Light Microscopy and Transmission Electron Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples and in Non-Friable Organically Bound Bulk Samples.") or EPA 600/M4-82-020 per 40 CFR 763 and/or EPA 600/R-93/116 (NVLAP Lab Code 2000530-0),

PLM Date Analyzed: 2/29/2016

TEM Date Analyzed: N/A

Microscope: Olympus BH-2 #232953

TEM Analyst: N/A

Analyst: T. Bush

Laboratory Results Approved By:
Asbestos Operations Manager or Designee

Mary Dohr

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ENVOY

environmental consultants, inc.

57 ANDRÉS ST. ROCKFORD, IL 61108
815-398-1100 FAX 815-398-1102

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client Mailing Address:
30 Church St.

Client: City of Rochester
Phone Number: 485-6982
Results To: CALL Tech Client

Contact: Chuck Fox
SEND ANALYTICAL DATA TO CLIENT: YES No
Fax Number or email address: Fox@CityofRochester.gov

Job #: 1611-16
Page 7 of 18
Date Logged In: 2-25-16
Logged In By: AD
186

Job Ticker No. 9999
Project Location: 673 Bay St.

Date Sampled: 2/25/16
Project Address:

Turn Around Time:
1 2 3 5 Immed
Project Number: 16-0169

General Location:

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	BIT001	Basement duct		Grey		BIT	F
2	BIT002	"		"		"	"
3	DET003	"		"		"	"
4	DUL004	Room 1 Well		"		DUL	N
5	SPK005	"		"		SPR	N
6	WPL006	Room 2 Well		"		WPL	N
7	WPL007	"		Grey		"	"
8	CPLO08	Ceiling		White		CPLO	N
9	CPLO09	"		Grey		"	"
10	SC1010	Room 1 Ceiling		Grey	2x4	SC1	N

Sampled By: Josh Schewe
Date: 2/25/16
Transported to: [Signature]
Date: 2/25/16
Received By: [Signature]
Date: 2-25-16

CHECK ONE: SURVEY BULK SAMPLES ONLY
CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:
TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at 58

Contained materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger; May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

SM 3136

ENVOY

environmental consultants, inc.

572 Ambler St. Philadelphia, PA 19106
 215-261-1000 Fax: 215-261-1006

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client: <u>City of Rochester</u>	Contact: <u>Chuck Fox</u>
Phone Number: <u>488-6982</u>	SEND ANALYTICAL DATA TO CLIENT: YES <input type="checkbox"/> No <input type="checkbox"/>
Results To: CALL <input type="checkbox"/> Tech <input type="checkbox"/> client <input checked="" type="checkbox"/>	Fax Number or email address: <u>fox@cityofrochester.gov</u>
Date Sampled: <u>2/25/16</u>	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Project Address: <u>673 Bay St.</u>	Project Number: <u>16-0169</u>
Client Mailing Address: <u>30 Church St.</u>	Job #: <u>1611-16</u>
Job Ticket No. <u>92909</u>	Page <u>9</u> of <u>12</u>
Project Location: <u>673 Bay St.</u>	Date Logged In: <u>2-25-16</u>
	Logged In By: <u>fn</u>

General Location:

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1	CLM021	Room 5 Wall behind tile		TAN		CRM	N
2	WPL 027	Room 3 Wall		WHT		WPL	N
3	WPL 028	" "		GRY		WPL	N
4	CPA024	" Ceiling		WHT		CPA	N
5	PL025	" "		GRY		CPA	N
6	SPK026	Room 1 Wall		WHT		SPK	N
7	SVL027	Porch floor L1		LT. GRY		SVL	N
8	SVL028	" " L2		GRN		"	"
9	SVL029	" " L1		LT. GRY		"	"
10	SVL030	" " L2		GRN		"	"

Sampled By: Tosh Scheure Date: 2/25/16

Transported to Paradigm By: [Signature] Date: 2/25/16

Received By: [Signature] Date: 2-25-16

CHECK ONE: SURVEY BULKS ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 10 Estimated at 58

Contained materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger: May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

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environmental consultants, inc.

57 ANDRÉS ST. ROSELAND, NJ 07068
908-991-1100 FAX 908-991-1102

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client Mailing Address: 30 Church ST.	Client: City of Rochester	Contact: Chuck Fox	Job #: 1611-16
Job Ticket No.: 99909	Phone Number: 488-6922	SEND ANALYTICAL DATA TO CLIENT: YES <input type="checkbox"/> NO <input type="checkbox"/>	Page: 10 of 18
Project Location: 673 Bay St.	Results To: CALL <input type="checkbox"/> Tech <input type="checkbox"/> Client <input checked="" type="checkbox"/>	Fax Number or email address: fox@cityofrochester.gov	Date Logged In: 2.25.16
General Location:	Date Sampled: 2/25/16	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>	Logged In By: <i>FD</i>
	Project Address:	Project Number: 16-0169	

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1 WPL031	12942	Rm 10 Wall		WHT		WPL	N
2 WPL03A	943	" "		Grp		"	"
3 WPL033	944	Room 9 Wall		WHT		"	"
4 WPL034	945	" "		Grp		"	"
5 WPL035	946	Room 8 Wall		WHT		"	"
6 WPL036	947	" "		Grp		"	"
7 CPL037	948	" Ceiling		WHT		CPL	N
8 CPL038	949	" "		Grp		"	"
9 CPL039	950	Room 7 Ceiling		WHT		"	"
10 CPL040	951	" "		Grp		"	"

Sampled By: Josh Schewe 2/25/16	Date: 2/25/16	CHECK ONE: SURVEY <input checked="" type="checkbox"/> BULKS ONLY <input type="checkbox"/>
Transported to Paradigm By: <i>FD</i>	Date: 2/25/16	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:
Received By: <i>FD</i>	Date: 2.25.16	TOTAL NUMBER OF SAMPLES IN SURVEY: Estimated at: 58

Contained materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger: May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

ENVOY

environmental consultants, inc.

57 Ambler St. Reading, MA 01860
 781-941-0100 Fax: 781-941-1066

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client: <u>City of Rochester</u>	Contact: <u>Chuck Fox</u>
Phone Number: <u>488-6982</u>	SEND ANALYTICAL DATA TO CLIENT: YES <input type="checkbox"/> No <input type="checkbox"/>
Results To: CALL <input type="checkbox"/> Tech <input type="checkbox"/> Client <input checked="" type="checkbox"/>	Fax Number or email address: <u>fox@cityofrochester.gov</u>
Date Sampled: <u>2/25/16</u>	Turn Around Time: 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input checked="" type="checkbox"/> Immed <input type="checkbox"/>
Project Address: <u>673 Bay St.</u>	Project Number: <u>16-0169</u>

Job #: <u>1611-16</u>	Page <u>11</u> of <u>12</u>
Date Logged In: <u>2.25.16</u>	Logged In By: <u>AW</u>
50ft6	

General Location:

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1 DUL 041	18952	Room 6 wall		Gray		DUL	N
2 SPL 042	953	" "		White		SPL	N
3 FT9 043	954	Floor		Gray	9x9	FT9	N
4 FT9 044	955	" "		" "	" "	" "	" "
5 ROS 045	956	Roof L1		Gray		ROS	N
6 ROS 046	957	" L2		Multi		"	"
7 ROS 047	958	" L3		TAN		"	"
8 ROS 048	959	" L1		Gray		"	"
9 ROS 049	960	" L2		Multi		"	"
10 ROS 050	961	" L3		TAN		"	"

Sampled By: <u>Josh Schreier</u>	Date: <u>2/25/16</u>	CHECK ONE: SURVEY <input checked="" type="checkbox"/> BULKS ONLY <input type="checkbox"/>
Transported to Paradigm By: <u>AW</u>	Date: <u>2/25/16</u>	CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS, or provide TEM contact name: <input type="checkbox"/>
Received By: <u>AW</u>	Date: <u>2.25.16</u>	TOTAL NUMBER OF SAMPLES IN SURVEY: <u>58</u> Estimated at <u>58</u>

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger: May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

ENVOY

environmental consultants, inc.

57 Ambrose St., Rochester, NY 14603
 716-233-1000, fax 716-233-1062

CHAIN OF CUSTODY FOR PLM ASBESTOS ANALYSIS

OFFICE USE ONLY

Client: City of Rochester

Phone Number: 428-6922

Results To: CALL Tech Client

Date Sampled: 2/25/16

Project Address: _____

Contact: Chuck Fox

SEND ANALYTICAL DATA TO CLIENT: YES No

Fax Number or email address: Fox@CityofRochester.gov

Turn Around Time: 1 2 3 5 Immed

Project Number: 16-0169

Job #: 1611-16

Page 12 of 12

Date Logged In: 2.25.16

Logged In By: fw

6076

General Location: 673 Bay St.

Client ID	Lab ID	Sampling Location	Do not Analyze	Color	Size	Material	Friability
1. WIG051	12962	Exterior windows		WHY		WIG	N
2. WR057	963	"		"		"	"
3. CLK053	964	Around Electrical units		GRY		CLK	N
4. CLK054	965	"		"		"	"
5. TRN055	966	House Siding		GRY		TRN	"
6. TRP056	967	Behind Siding		BLK		TRP	"
7. TRN057	968	House Siding		GRY		TRN	"
8. TRP058	969	Behind Siding		BLK		TRP	"
9							
10							

Sampled By: Josh Sleyve Date: 2/25/16

Transported to Paradigm By: [Signature] Date: 2/25/16

Received By: [Signature] Date: 2.25.16

CHECK ONE: SURVEY BULKS ONLY

CHECK TO AUTOMATICALLY PERFORM TEM ON NOBS or provide TEM contact name:

TOTAL NUMBER OF SAMPLES IN SURVEY: 58 Estimated at 58

Containerized materials attached to this Chain of Custody may contain Asbestos. Asbestos is a known carcinogen and should only be handled by trained and authorized personnel under regulated conditions. (Danger! May Contain Asbestos Fibers, Cancer and Lung Disease Hazard)

Certifications

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Envoy Environmental Consultants Inc.
57 Ambrose Street
Rochester, NY 14608

FILE NUMBER: 02-0527
LICENSE NUMBER: 28454
LICENSE CLASS: RESTRICTED
DATE OF ISSUE: 06/11/2015
EXPIRATION DATE: 06/30/2016

Duly Authorized Representative – Paul Mahoney:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2016
Issued April 01, 2015



CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRUCE HOOGESTEGER
PARADIGM ENVIRONMENTAL SERVICES INC
179 LAKE AVENUE
ROCHESTER, NY 14608

NY Lab Id No: 10958

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)
Asbestos in Non-Friable Material-TEM	Item 198.4 of Manual
Lead in Dust Wipes	EPA 6010C
Lead in Paint	EPA 6010C

Sample Preparation Methods

EPA 3050B

Serial No.: 52201

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Paradigm Environmental Services, Inc.

179 Lake Avenue

Rochester, NY 14608

Ms. Rebecca Roztocil

Phone: 585-647-2530 Fax: 585-647-3311

E-Mail: RRoztocil@paradigmenv.com

URL: <http://www.paradigmenv.com>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200530-0

NVLAP Code Designation / Description

18/A01 EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

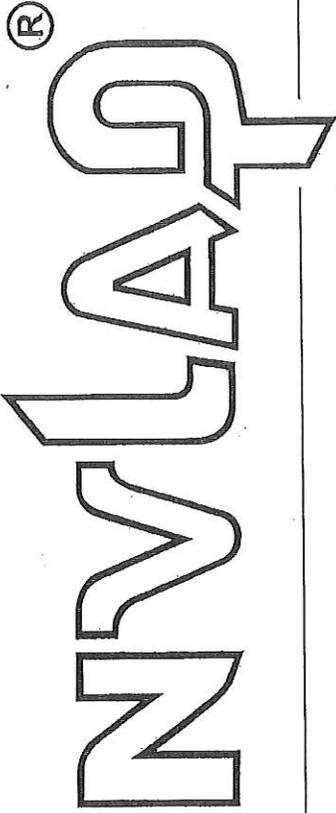
18/A03 EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-07-01 through 2016-06-30

Effective dates

For the National Institute of Standards and Technology

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200530-0

Paradigm Environmental Services, Inc.
Rochester, NY

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

BULK ASBESTOS FIBER ANALYSIS

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

2015-07-01 through 2016-06-30

Effective dates



For the National Institute of Standards and Technology

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



JOSHUA R SCHEUERMANN

CLASS(EXPIRES)

C ATEC(10/16) D INSP(10/16)

H PM (10/16) I PD (10/16)

CERT# 10-00221
DMV# 358570242

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



GEOFFREY R SIEBERT

CLASS(EXPIRES)

C ATEC(08/16) D INSP(08/16)

H PM (08/16)

CERT# 03-06811
DMV# 367209545

MUST BE CARRIED ON ASBESTOS PROJECTS

PRE-DEMOLITION ASBESTOS SURVEY

**697 MELVILLE STREET
ROCHESTER, NEW YORK**

PREPARED FOR:

**CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614**

April 13, 2016



Prepared By: Angela Liddell

CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

Introduction

- Asbestos Survey
- Regulatory Review

Limitations

Conclusions

- Asbestos Containing Materials – Locations by Space and Quantification

Drawings

- Sample Locations

Photographs

- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on March 14, 2016 at 697 Melville Street, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story home with a basement and a detached garage.

New York State Department of Labor certified inspector Kiel Liddell conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided as follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
 - a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
 - b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 697 Melville Street, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Basement	*Flue Patch	Good	Friable	1 Square Foot
	*Flue Pipe	Good	Friable	1 Linear Foot

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Front Entry	Tan Ceiling Texture -over- White Ceiling Plaster -over- Gray Ceiling Plaster	Good	Friable	30 Square Feet
Living Room	Tan Ceiling Texture -over- White Ceiling Plaster -over- Gray Ceiling Plaster	Good	Friable	210 Square Feet
Dining Room	Fiberboard Ceiling Tile -over- Tan Ceiling Texture -over- White Ceiling Plaster -over- Gray Ceiling Plaster	Good	Friable	130 Square Feet

SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Bathroom	Tan Rough Ceiling Texture -over- White Ceiling Plaster -over- Gray Ceiling Plaster	Good	Friable	56 Square Feet
	Limestone Print 12"x12" Floor Tile -over- Red/Tan Streak 9"x9" Floor Tile	Good	NOB	56 Square Feet

HOUSE EXTERIOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout Exterior	Storm Window Caulk	Good	NOB	16 Square Feet
	Gray Cementitious Siding	Good	NF	1840 Square Feet
	White/Gray Caulk – Aluminum Trim Under Windows and at Siding Seams	Good	NOB	8 Square Feet

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

HOUSE ROOF

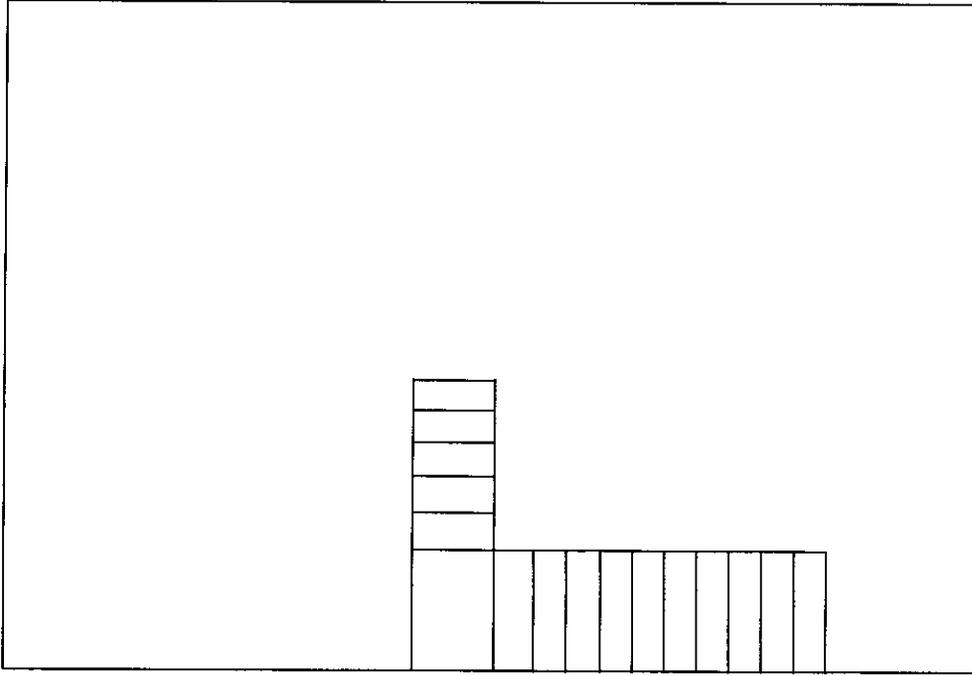
LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Throughout All Roofs	Black Tar Flashing on Chimney, All Roof Edges, Dormers, and Penetrations	Good	NOB	16 Square Feet

Notes:

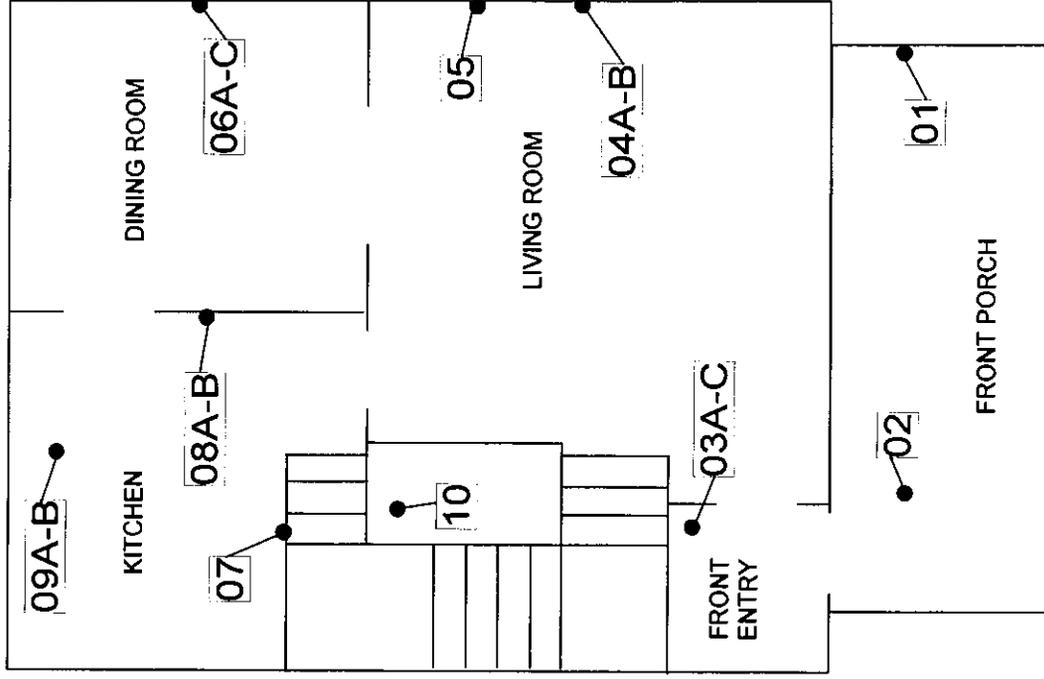
- Condition: **Good** = No visible damage and/or very limited deterioration. **Fair** = visible damage or deterioration on less than 25% of the material. **Poor** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Flue patch and flue pipe materials were not sampled and is presumed to be asbestos containing.

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

SAMPLE LOCATION DRAWINGS

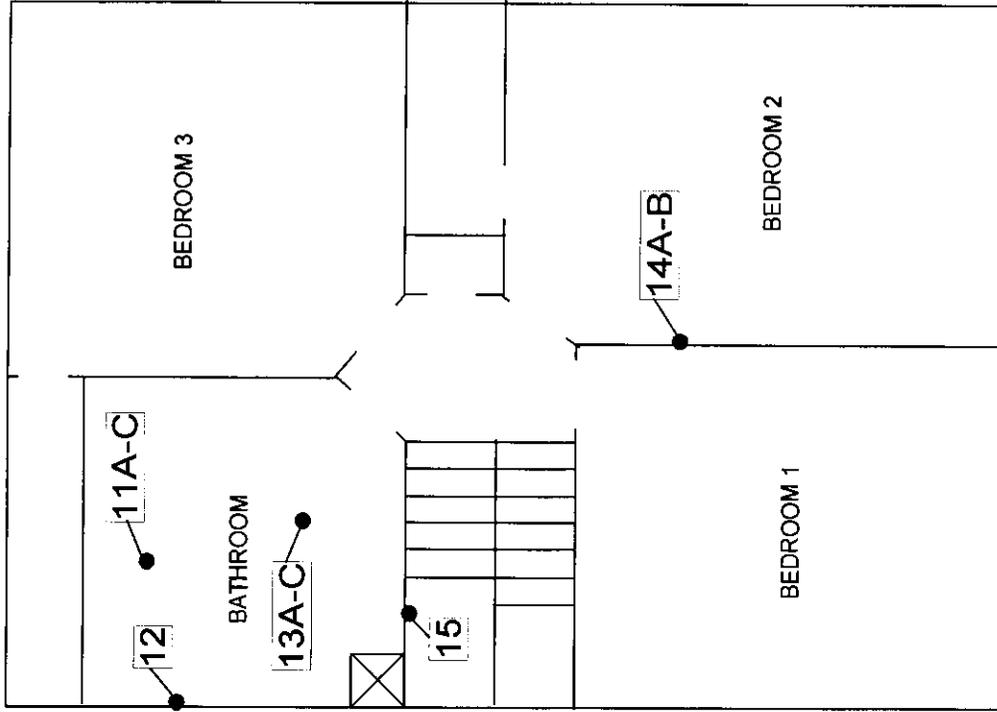


BASEMENT

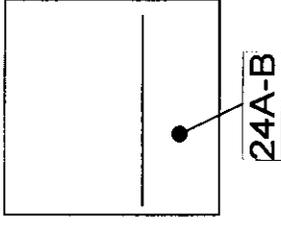


FIRST FLOOR

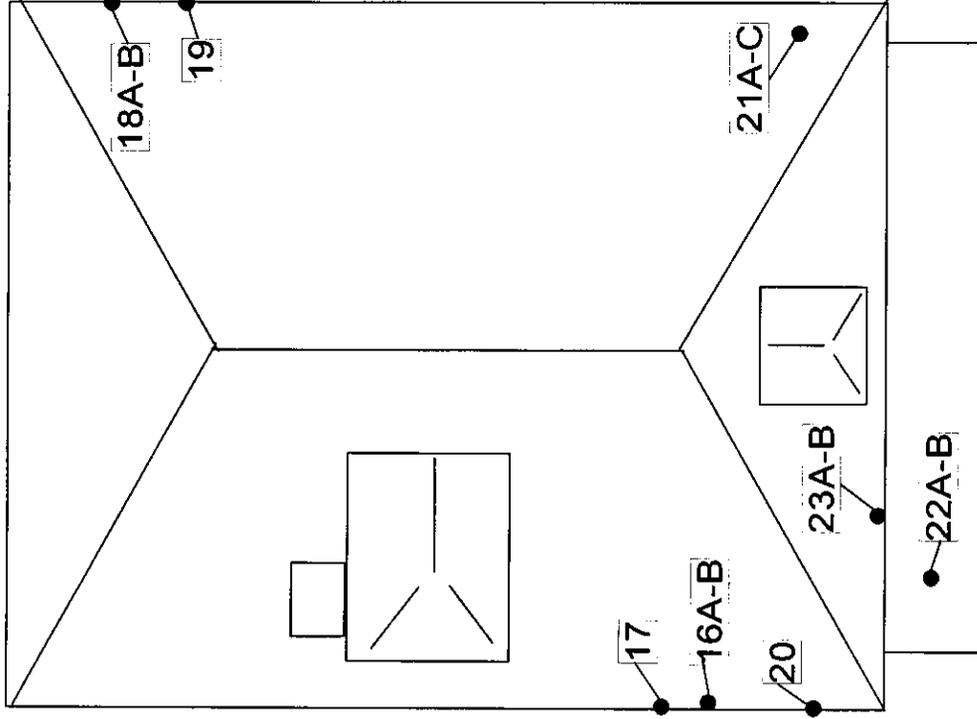
**PRE-DEMOLITION ASBESTOS SURVEY
BASEMENT AND FIRST FLOOR
SAMPLE LOCATIONS**



SECOND FLOOR



GARAGE



HOUSE ROOF/EXTERIOR

PRE-DEMOLITION ASBESTOS SURVEY
 SECOND FLOOR, ROOF/EXTERIOR, & GARAGE
 SAMPLE LOCATIONS

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

**PHOTOGRAPHS
OF
ASBESTOS CONTAINING SAMPLES**

697 MELVILLE STREET
ROCHESTER, NEW YORK

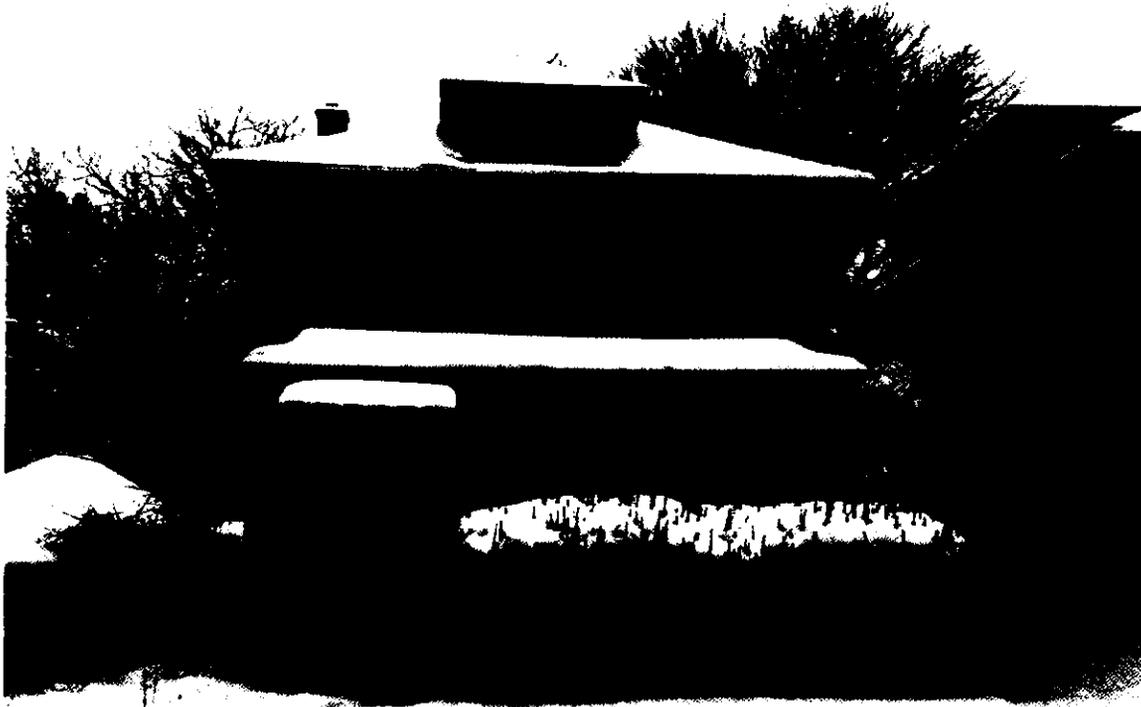


Figure 1: 697 Melville Street, Rochester, New York

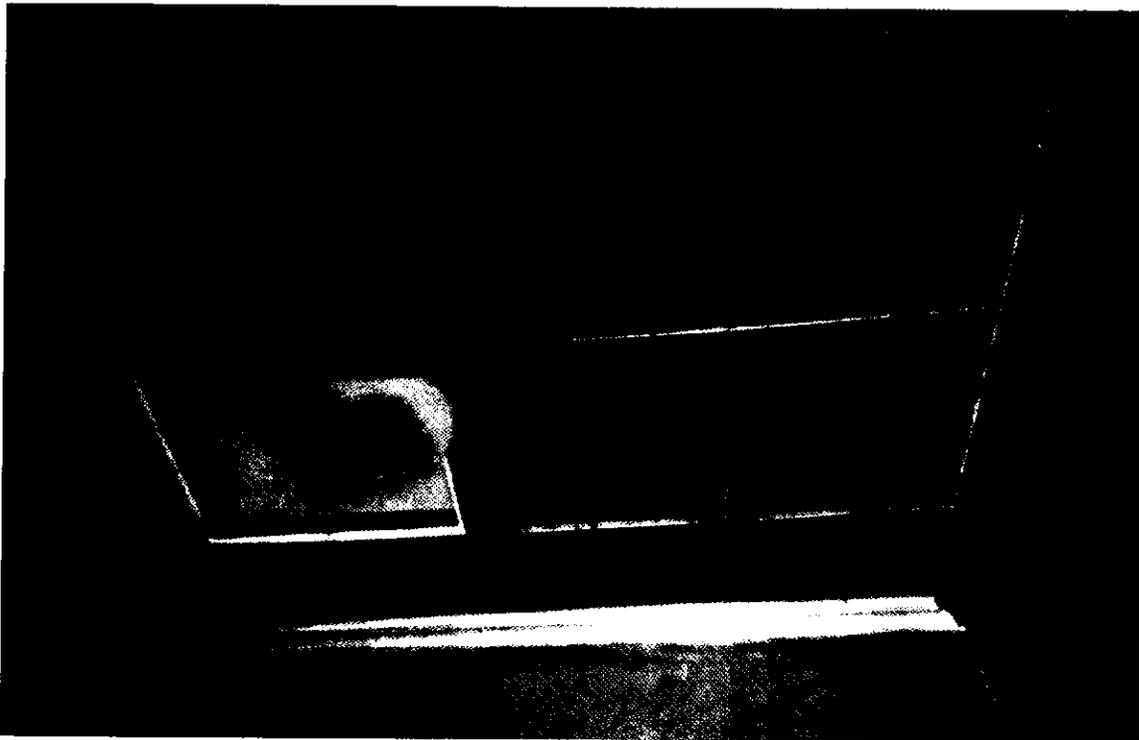


Figure 2: Front Entry- Sample No. 03A-C: Tan Ceiling Texture -over-White Ceiling Plaster -over- Gray Ceiling Plaster

697 MELVILLE STREET
ROCHESTER, NEW YORK

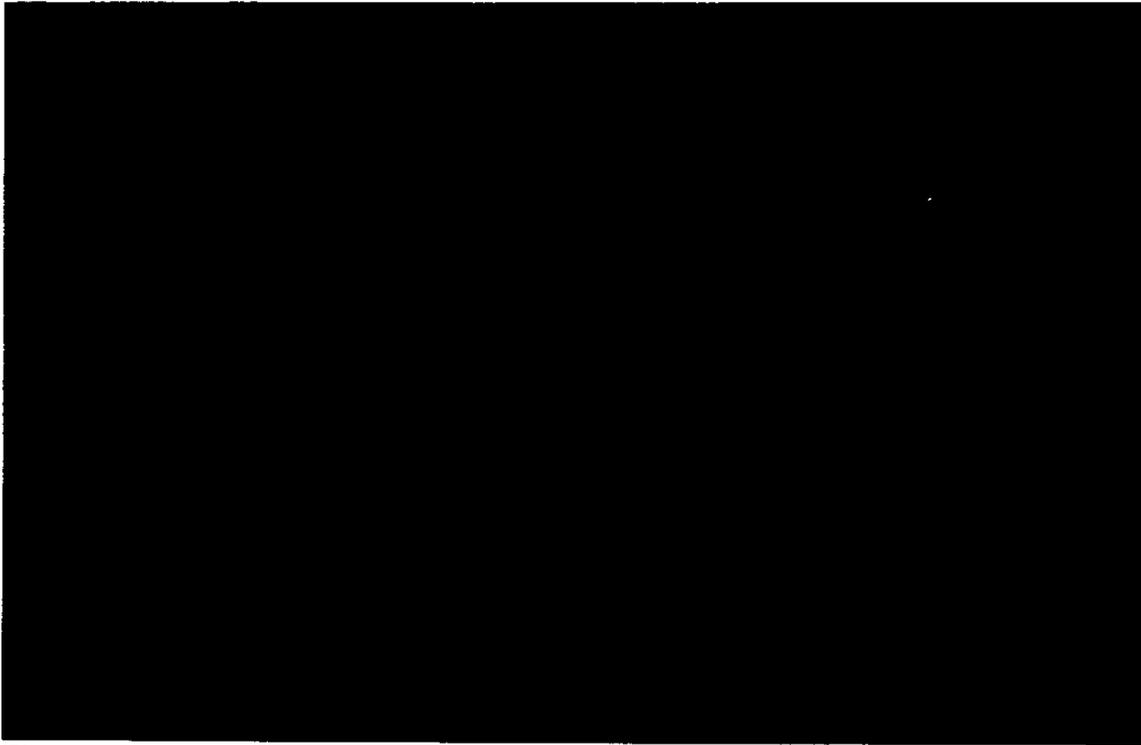


Figure 3: Bathroom - Sample No. 11A-C: Tan Rough Texture Ceiling Texture – over- White Ceiling Plaster –over- Gray Ceiling Plaster

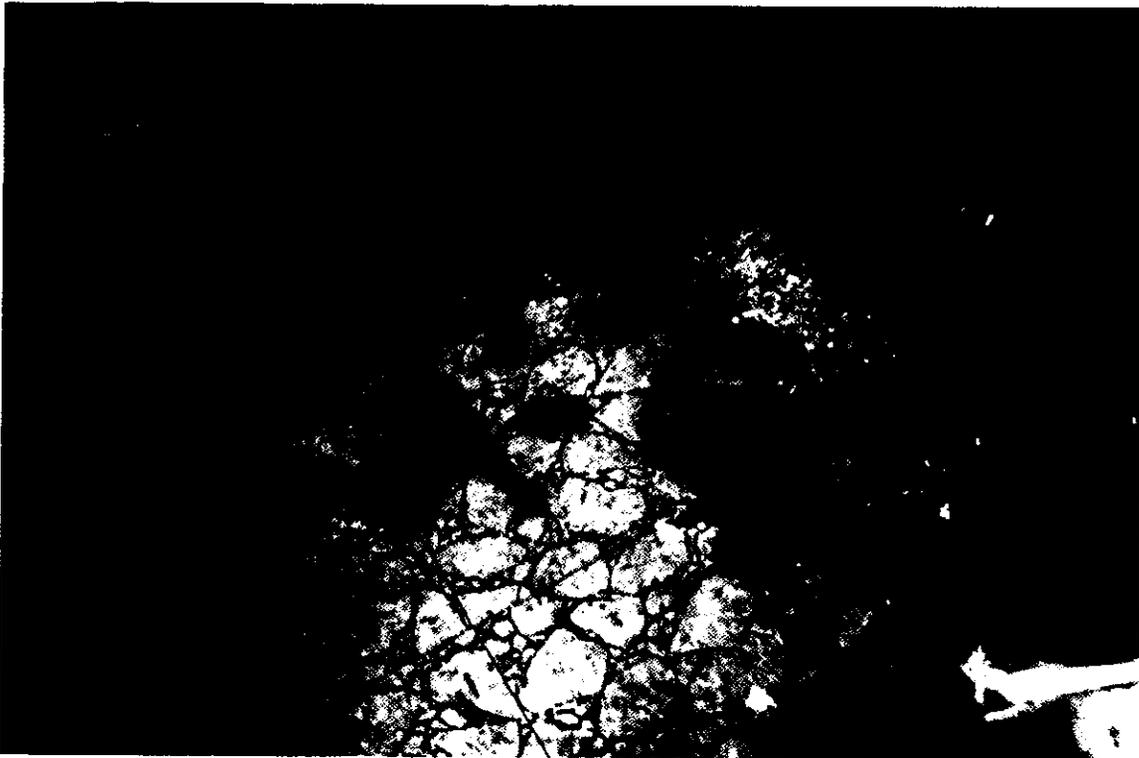


Figure 4: Bathroom - Sample No. 13A-C: Limestone 12"x12" Floor Tile –over- Red Tan Streak 9"x9" Floor Tile –over- Brown/Black Mastic/Felt

697 MELVILLE STREET
ROCHESTER, NEW YORK



Figure 5: Exterior - Sample No. 16A & 18A: Gray Cementitious Siding



Figure 6: Exterior - Sample No. 17 & 19: White/Gray Caulk

697 MELVILLE STREET
ROCHESTER, NEW YORK

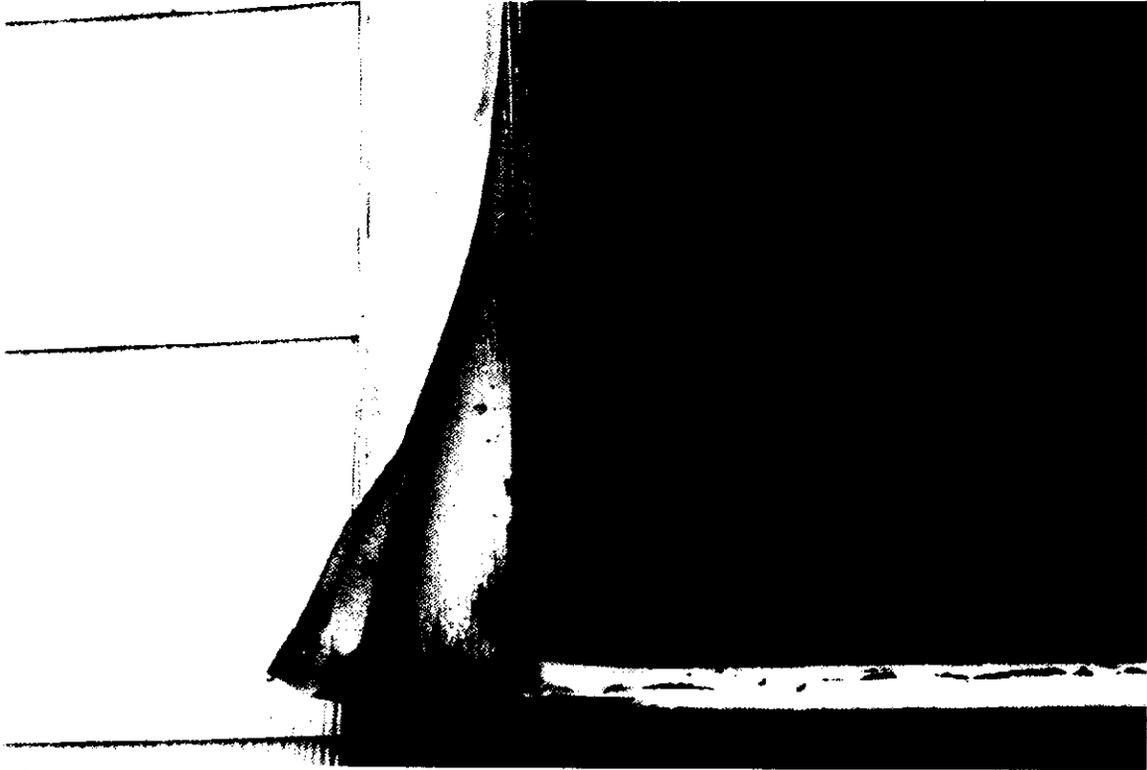


Figure 7: Exterior - Sample No. 20: White Storm Window Caulk

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

**LABORATORY ANALYTICAL RESULTS
AND
CHAINS OF CUSTODY**



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48485
 Date Received: 3/15/16
 Report Date: 3/23/16
 Analysis Date: 3/17-18/16
 Page: 1 of 5

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 697 Melville Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 3/14/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 43

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
1	48485-1	Front Porch	White Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
2	48485-2	Front Porch	Tan Aztec Print 12"x12" Floor Tile	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
3A	48485-3A	Front Entry	Tan Ceiling Texture 1st Layer	Anthophyllite 4.4%	4.4%		F	None Detected 0%	95.6%	N/A
3B	48485-3B	Front Entry	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
3C	48485-3C	Front Entry	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
4A	48485-4A	Living Room	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
4B	48485-4B	Living Room	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
5	48485-5	Living Room	Brown Window Glaze	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
6A	48485-6A	Dining Room	Tan Ceiling Texture 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
6B	48485-6B	Dining Room	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

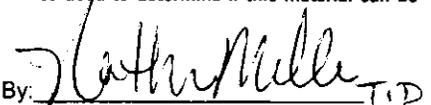
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By:  T.D.
 J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
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 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48485
Date Received: 3/15/16
Report Date: 3/23/16
Analysis Date: 3/17-18/16

Attn: Chuck Fox

Page: 2 of 5

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 697 Mellville Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 3/14/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 43

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
6C	48485-6C	Dining Room	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
7	48485-7	Kitchen	Brown Metal Wall Tile Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
8A	48485-8A	Kitchen	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
8B	48485-8B	Kitchen	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
9A	48485-9A	Kitchen	Beige Honey Comb Print Sheet Vinyl 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 2%	98%	NAD
9B	48485-9B	Kitchen	Yellow Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 2%	98%	NAD
10	48485-10	Side Entry Closet	Red Floral Print Sheet Vinyl	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
11A	48485-11A	Bathroom	Tan Rough Texture Ceiling Texture 1st Layer	Chrysotile 1.6%	1.6%		F	None Detected 0%	98.4%	N/A
11B	48485-11B	Bathroom	White Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
11C	48485-11C	Bathroom	Gray Ceiling Plaster 3rd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

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*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By: J. DeNik Laboratory Director



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 Phone: 585-654-9080 Fax (585) 654-9662
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Client: City of Rochester
 30 Church Street
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Laboratory No.: 48485
 Date Received: 3/15/16
 Report Date: 3/23/16
 Analysis Date: 3/17-18/16

Attn: Chuck Fox

Page: 3 of 5

Project Site: 697 Mellville Street, Rochester, New York

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 3/14/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 43

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
12	48485-12	Bathroom	Tan Wall Tile Mastic	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
13A	48485-13A	Bathroom	Limestone Print 12"x12" Floor Tile 1st Layer	Chrysotile 4.1%	4.1%		NOB	None Detected 0%	95.9%	Chrysotile 39%
13B	48485-13B	Bathroom	Red Tan Streak 9"x9" Floor 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
13C	48485-13C	Bathroom	Brown/Black Mastic/Felt 3rd Layer	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%	Chrysotile Trace
14A	48485-14A	Bedroom	White Wall Spackle 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
14B	48485-14B	Bedroom	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
15	48485-15	Stairway to 2nd Floor	White Spackle Patch	None Detected 0%	0%		F	None Detected 0%	100%	N/A
16A	48485-16A	Exterior	Gray Cementitious Siding 1st Layer	Chrysotile 17.4%	17.4%		NF	None Detected 0%	82.6%	N/A
16B	48485-16B	Exterior	Black Underlayment 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
17	48485-17	Exterior	White/Gray Caulk	Anthophyllite 1.3% Chrysotile Trace	<1.3%		NOB	None Detected 0%	>98.7%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

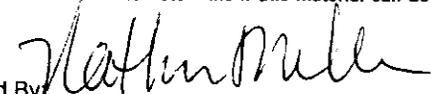
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By 
 J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 48485
Date Received: 3/15/16
Report Date: 3/23/16
Analysis Date: 3/17-18/16
Page: 4 of 5

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 697 Mellville Street, Rochester, New York

SAMPLE INFORMATION

Sample Date: 3/14/16	Location: Interior/Exterior	Analyst: B. Seiderman
Sampler: K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 43

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
18A	48485-18A	Exterior	Gray Cementitious Siding 1st Layer	Chrysotile 23.5%	23.5%		NF	None Detected 0%	76.5%	N/A
18B	48485-18B	Exterior	Black Underlayment 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
19	48485-19	Exterior	White/Gray Caulk	Anthophyllite 1.1%	1.1%		NOB	None Detected 0%	98.9%	N/A
20	48485-20	Side Entry Window	White Storm Window Caulk	Inconclusive Chrysotile Trace	Trace	*	NOB	None Detected 0%	>99%	Chrysotile 1.2%
21A	48485-21A	House Roof Roof Main	Gray/Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
21B	48485-21B	House Roof Roof Main	Coarse Red Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
21C	48485-21C	House Roof Roof Main	Fine Red Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
22A	48485-22A	Front Porch Roof Roof Main	Gray/Black Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
22B	48485-22B	Front Porch Roof Roof Main	Coarse Red Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
23A	48485-23A	Roof Edge	Black Flashing 1st Layer	Chrysotile 3.5%	3.5%		NOB	None Detected 0%	96.5%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

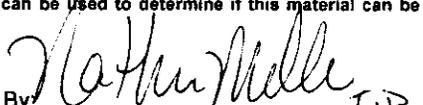
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NAD: No Asbestos detected by TEM analysis

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*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller/B. Seiderman - Meiji Polarized Light Microscope (MT9920)

Approved By:  J.P.
 J. DeNike Laboratory Director

CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc. Job Name: City of Rochester Chain of Custody: 532083
 Address: 2011 East Main Street Job Location: 697 Melville Street Date Analyzed: 3/22/2016
 Rochester, New York 14609 Job Number: 48485 Person Submitting: Benjamin S.
 Attention: Jeanne DeNike P.O. Number: Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16075068	48485-1	Residue	TR	N/A	TR	Chrysotile	18.1%	77.6%	4.3%			
16075069	48485-2	Residue	TR	N/A	TR	Chrysotile	20.7%	66.0%	13.3%			
16075070	48485-5	Residue	NAD	N/A	NAD		18.4%	49.8%	31.8%			
16075071	48485-7	Residue	NAD	N/A	NAD		47.2%	0.9%	51.9%			
16075072	48485-9A	Residue	NAD	N/A	NAD		73.9%	1.6%	24.5%			
16075073	48485-9B	Residue	NAD	N/A	NAD		56.3%	4.5%	39.2%			
16075074	48485-10	Residue	NAD	N/A	NAD		52.4%	15.1%	32.5%			
16075075	48485-12	Residue	NAD	N/A	NAD		35.2%	31.0%	33.8%			
16075076	48485-13A	Residue	39%	N/A	39%	Chrysotile	26.5%	27.6%	6.9%			
16075077	48485-13C	Residue	TR	N/A	TR	Chrysotile	82.5%	3.9%	13.6%			
16075078	48485-16B	Residue	TR	N/A	TR	Chrysotile	96.9%	1.4%	1.7%			
16075079	48485-18B	Residue	NAD	N/A	NAD		52.1%	1.0%	46.9%			
16075080	48485-20	Residue	1.2%	N/A	1.2%	Chrysotile	29.2%	31.3%	38.3%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

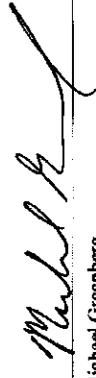
Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester **Chain of Custody:** 532083
Address: 2011 East Main Street **Job Location:** 697 Melville Street **Date Analyzed:** 3/22/2016
 Rochester, New York 14609 **Job Number:** 48485 **Person Submitting:** Benjamin S.
Attention: Jeanne DeNike **P.O. Number:** Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
-------------------	-----------------	---------------	---------------------	-----------------------	-----------------------	---------------------	------------	----------------	---------	---------------	--------------	----------

- * Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.
 - ** NAD = "No Asbestos Detected" IR = "Trace equals less than 1% of this component"
 - *** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)
- All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director: Andreas Saldivar **Analyst(s):** Michael Greenberg



This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



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 ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES
 Page 1 of 4

Client: City of Rochester
 Address: 30 Church St.
 Contact: Chuck Fox
 Phone #: _____ Fax #: _____
 Location: 697 Melville St.
 Sample Date: 3/14/2016
 Turn Around: _____
 Lab No.: 48485
 Contacted Client: _____
 Left Message: _____
 T/R: _____ Sent: _____
 No. Samples: 43
 Sampled By: L. Mottler, K. Liddeil
 TEM

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
1	48485-1	Front Porch	white	Windows Glaze	+	1	NOB	✓
2	-2	"	Translucent Paint	EXIA Floor Tile	1	1	NOB	✓
3A	-3A	Front Entry	Tan	Ceiling Texture		1	F	+
3B	-3B	"	white	Ceiling Plaster		2	F	-
3C	-3C	"	GRAY	"		3	F	-
4A	-4A	Living Room	white	Wall Plaster		1	F	-
4B	-4B	"	Gray	"		2	F	-
5	-5	"	Brown	Window Glaze		1	NOB	✓
6A	-6A	Dining Room	Tan	Ceiling Texture		1	F	-
6B	-6B	"	white	Ceiling Plaster		2	F	-

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *Christina Miller*
 DATE: 3/15/16 TIME: 3:23
 Relinquished By: *[Signature]*
 DATE: 3/15/16 TIME: _____

Client: City of Rochester Sample Date: 3/14/2016 Lab No.: 48485 Contacted Client: _____
 Address: 30 Church St. Turn Around: _____ Left Message: _____
 Rochester, NY 14614 Location: 697 Melville St. TEM T/R Sent
 Contact: Chuck Fox

Phone # _____ Fax # _____ No. Samples: _____ Sampled By: L. Mottler, K. Liddeil

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	+	TEM
6C	48485-6C	Dining Room	Gray	Ceiling Plaster	11	3	F	-	-
7	-7	Kitchen	Brown	Metal Wall Tile Mastic		1	NOB	-	✓
8A	-8A	"	White	Wall Plaster		1	F	-	-
8B	-8B	"	Gray	" "		2	F	-	-
9A	-9A	"	Beige Bone Comb Print	Sheet Vinyl		1	NOB	-	✓
9B	-9B	"	Yellow	Mastic		2	NOB	-	✓
10	-10	Side Entry Closet	Red Floral Print	Sheet Vinyl		1	NOB	-	✓
11A	-11A	Bathroom	Tri Rough Texture	Ceiling Texture		1	F	+	-
11B	-11B	"	White	Ceiling Plaster		2	F	-	-
11C	-11C	"	Gray	" "		3	F	-	-

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]*
 DATE: 3/15/16 TIME: 1325
 Reinquished By: *[Signature]*
 DATE: 3/15/16 TIME: _____



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 Phone (585)-654-9080 Fax (585)-654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester
 Address: 30 Church St.
 Rochester, NY 14614
 Contact: Chuck Fox
 Sample Date: 3/14/2016
 Lab No.: 48485
 Turn Around:
 Location: 697 Melville St.
 Left Message:
 TEM T/R Sent

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
12	48485-12	Basement	TAN	White Mastic	11	1	NOB	-
13A	-13A	"	limestone Print	White Floor Tile		1	NOB	+
13B	-13B	"	Red Tan Straink	8 1/2 Floor Tile		2	NOB	-
13C	-13C	"	Brown/Black	Mastic / Floor		3	NOB	-
14A	-14A	Bedroom	White	Wall Plaster		1	F	-
14B	-14B	"	Gray	" "		2	F	-
15	-15	Stair way to 2nd floor	White	Spackle Patch		1	F	-
16A	-16A	Exterior	Gray	Cementitious Siding		1	NF	+
16B	-16B	"	Black	Underlayment		2	NOB	-
17	-17	Exterior	White/Gray	CAULK			NOB	+

No. Samples: Sampled By: L. Mottler, K. Liddeii
 Relinquished By: [Signature]
 DATE: 3/15/16 TIME: 1323
 TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: [Signature]
 DATE: 3/15/16 TIME: 1323



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester Sample Date: 3/14/2016 Lab No.: 48485 Contacted Client _____
 Address: 30 Church St. Turn Around: _____ Left Message _____
 Rochester, NY 14614 Location: 697 Mellville St. TEM T/R Sent
 Contact: Chuck Fox

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB		TEM
							+	-	
18A	48485-18A	Exterior	Gray	Conventional Siding	11	1	NF	+	
18B	-18B	"	Black	Underlayment		2	Nob	-	✓
19	-19	Exterior	White/Gray	Caulk		1	Nob	+	
20	-20	Six Entry Window	White	Storm Window Caulk		1	Nob	-	✓
21A	-21A	HOUS ROOF	Gray/Black	Shingle		1	Nob	-	✓
21B	-21B	" "	COARSE RED	"		2	Nob	-	✓
21C	-21C	" "	Fine Red	"		3	Nob	-	✓
22A	-22A	Front Porch Roof	Gray/Black	Shingle		1	Nob	-	✓
22B	-22B	Roof Main	Coarse Red	"		2	Nob	-	✓
23A	-23A	Roof Edge	Black	Flashing		1	Nob	+	

Sampled By: L. Mottler, K. Lidell
 No. Samples: _____
 Relinquished By: *[Signature]*
 RECEIVED BY: *[Signature]* DATE: 3/15/16 TIME: 1:23
 TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC. TIME: _____

Client: City of Rochester Sample Date: 3/14/2016 Lab No.: 48485 Contacted Client: _____

Address: 30 Church St. Turn Around: _____ Left Message: _____

Rochester, NY 14614 Location: 697 Melville St. TEM T/R Sent

Contact: Chuck Fox No. Samples: _____ Sampled By: L. Mottler, K. Liddeil

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
23B	48485-23B	Roof Edge	Black	Flashing	11	2	MB	100
24A	24A	Garage Port Roof Mem	Red	Roller Roofy		1	MB	✓
24B	24B	11	Black	TFR Felt		2	MB	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.

RECEIVED BY: *[Signature]* Relinquished By: *[Signature]*

DATE: 3/15/16 TIME: 1323 DATE: 3/15/16 TIME:

**CITY OF ROCHESTER
697 MELVILLE STREET
ROCHESTER, NEW YORK**

CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434

LICENSE NUMBER: 29997

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 05/21/2015

EXPIRATION DATE: 05/31/2016

Duly Authorized Representative – Ronald A. Arthurs:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor

STATE OF NEW YORK
ASBESTOS CERTIFICATE



JEANNE K DENKE
CLASS(EXPIRES)
I PD (06/17)

CERT # 0207912
UNIV# 575416604

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ANGELA M LIDDELL
CLASS(EXPIRES)
D INSP(02/17) I PD (02/17)

CERT # 0207912
UNIV# 575416604

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STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE

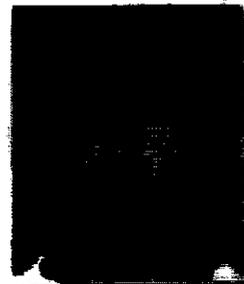


LESTER J MOTTLER
CLASS(EXPIRES)
C ATEC(04/16) D INSP(04/16)
H PM (04/16)

CERT # 0207912
UNIV# 575416604

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ASBESTOS CERTIFICATE

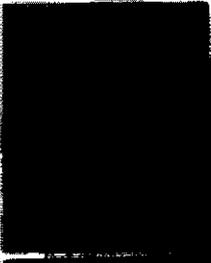


RON A ARONOFF
CLASS(EXPIRES)
C ATEC(07/16) D INSP(07/16)
H PM (07/16)

CERT # 0207912
UNIV# 575416604

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STATE OF NEW YORK
ASBESTOS CERTIFICATE

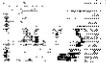


DANIEL G ZIEGLER
CLASS(EXPIRES)
C ATEC(04/17) D INSP(04/17)
H PM (04/17)

CERT # 0207912
UNIV# 575416604

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STATE OF NEW YORK DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DANIEL G ZIEGLER
CLASS(EXPIRES)
C ATEC(04/17) D INSP(04/17)
H PM (04/17) I PD (04/17)

CERT # 0207912
UNIV# 575416604

MUST BE CARRIED ON ASBESTOS PROJECTS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous

Fibers

NIOSH 7400 A RULES

Serial No.: 52562

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
1475 FORBES BLVD
LANHAM, MD 20706

NY Lab Id No: 10920

Is hereby APPROVED as an Environmental Laboratory for the category:
ENVIRONMENTAL ANALYSES, SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Metals

Lead, Total

EPA 7000B

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.8 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Lead in Dust Wipes

EPA 7000B

Lead in Rain

EPA 7000B

Sample Preparation Methods

EPA 600/R-83/200

ASTM E-1070-12

Serial No.: 52183

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**NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised April 22, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 of the Health Law of New York State

**MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609**

NY Lab Id No: 11770

**Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:**

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Serial No.: 52874

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PRE-DEMOLITION ASBESTOS SURVEY

**844 JOSEPH AVENUE
ROCHESTER, NEW YORK**

PREPARED FOR:

**CITY OF ROCHESTER
30 CHURCH STREET
ROOM 005A
ROCHESTER, NEW YORK 14614**

December 22, 2015



Prepared By: Angela Liddell

**CITY OF ROCHESTER
844 JOSEPH AVENUE
ROCHESTER, NEW YORK**

PRE-DEMOLITION ASBESTOS SURVEY

TABLE OF CONTENTS

Introduction

- Asbestos Survey
- Regulatory Review

Limitations

Conclusions

- Asbestos Containing Materials – Locations by Space and Quantification

Drawings

- Sample Locations

Photographs

- Asbestos Containing Materials - Photographs

Laboratory Analytical Reports and Chains of Custody

Certifications

**CITY OF ROCHESTER
844 JOSEPH AVENUE
ROCHESTER, NEW YORK**

INTRODUCTION

ASBESTOS SURVEY REPORT

Lozier Environmental Consulting, Inc. was retained by the City of Rochester, to conduct a pre-demolition asbestos survey on December 2-8, 2015 at 844 Joseph Avenue, Rochester, New York. This report refers to the interior and exterior of a vacant, two-story commercial building with a basement.

New York State Department of Labor certified inspectors Lester Mottler and Kiel Liddell conducted the inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to evaluate, correlate, and quantify all asbestos containing materials for future demolition purposes.

The initial walkthrough was conducted by the inspectors who observed and recorded those suspect materials used in the construction of the building such as floor, wall, and ceiling materials, surfacing materials, thermal systems insulation, roofing, caulks, and miscellaneous materials.

The inspector selected materials for inclusion in this report through their expertise and through an understanding of the historical uses of asbestos. Samples were collected from locations and recorded on a chain of custody document, recorded on a drawing, and individually retained within a container and transported to the Lozier analytical laboratory for analysis.

The Survey Report is divided at follows:

1. Introduction: Summation of sampling protocol and analysis methods.
2. Limitations: Summation of sampling conditions and restrictions at the time of inspection.
3. Conclusions: The conclusion section is broken down into the following items:
 - a. Materials Sampled: An inclusive list of all suspect materials sampled throughout the building and classified by use.
 - b. Asbestos Containing Materials by Location: In this space by space breakdown, all asbestos materials are described by their location, description and square or linear footage as found in each designated space.
4. Drawings: Interior and exterior drawings designate the approximate sampling location of materials analyzed.
5. Photographs: Photographs of asbestos containing materials.
6. Laboratory Analytical Reports: Sample data and analysis results by PLM and TEM methods.
7. Certifications of Laboratory and Personnel.

Lozier Environmental Consulting, Inc. is accredited through New York State Department of Health ELAP (Lab ID# 11770) for Solid and Hazardous Waste and Air and Emissions for Bulk Asbestos Fiber Analysis by polarized light microscopy (PLM). The analysis methodology used for asbestos bulk samples is as follows: New York State Department of Health ELAP Method 198.1 and 198.6; *Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples* and EPA 600/M4/82/020. Asbestos containing materials are defined as those materials containing greater than 1.0% asbestos.

Non-friable organically bound materials, which were determined negative by PLM, and contained greater than 1% residue after gravimetric reduction, were analyzed by transmission electron microscopy (TEM) by ELAP Method 198.4 at AMA Analytical Services, Inc., which is a New York State ELAP-Certified Laboratory (ELAP Lab ID# 10920).

Samples are stored at the laboratory for 60 days then disposed of in accordance with state and federal regulations.

REGULATORY REVIEW

Asbestos is regulated at the federal level by the Environmental Protection Agency (EPA) and the Occupational Safety and Health Administration (OSHA), and at the state level by the New York State Department of Labor (NYSDOL) and the Department of Environmental Conservation (DEC).

Regulations are differentiated by the distinctions between friable and non-friable asbestos containing materials. Friable material is defined as a "material, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable ACM is generally more of a concern as it is more likely to release asbestos fibers when damaged or disturbed. Materials such as floor tiles, roofing, and mastics are considered non-friable and typically present a very limited potential for fiber release. Both friable and non-friable ACM materials are subject to government regulations when and if fibers are released if significantly disturbed.

OSHA Regulations

OSHA regulations 29CFR 1910.1001 and 29CFR 1926.1101 provide for protection of workers exposed to asbestos. These regulations define a maximum permissible exposure limit (PEL) and an excursion limit for worker exposure to airborne asbestos fiber concentrations. These regulations assign specific responsibilities to building owners relative to asbestos, including the identification of asbestos containing materials, notification of employees and contractors, and training. The OSHA hazard communication regulations 29CFR 1910.1200, are designed to provide assurance that hazards of substances are evaluated and that information concerning their hazards is transmitted to employers and employees by means of comprehensive hazard communication programs.

EPA Regulations

EPA regulations are written for the general protection of non-occupational exposure and for the environment. EPA regulation 40CFR Part 763 – the Asbestos Hazard Emergency Response Act (AHERA), requires local education agencies to identify ACM in school buildings and to take appropriate actions to control release of asbestos fibers. Although AHERA does not apply to facilities such as residential or commercial structures, the standards and procedures established by this legislation are generally considered to be the accepted standard of care for the industry.

EPA also enforces the National Emission Standards for Hazardous Air Pollutants (NESHAP) regulation 40CFR 61 Subpart M, which requires that a pre-demolition asbestos survey be conducted prior to demolition/renovation of a building. NESHAP requires most types of ACM to be removed from the building prior to these activities and specifies specific removal and disposal methods.

EPA regulation 40CFR Part 302, derived under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), requires that the National Response Center be notified when there is a release in the environment of one pound or more of friable asbestos.

New York State Regulations

New York State Department of Labor (DOL) enforces the regulation 12NYCRR Part 56 (Code Rule 56) which is applicable to asbestos-related work in the State of New York. Code Rule 56 is concerned with training, licensure, notification and record keeping requirements, and describes work procedures and engineering controls to be used on asbestos remediation projects. Persons performing asbestos-related work, including operations and maintenance, must complete an approved safety course and hold state certification. Code Rule 56 also requires that an asbestos survey be conducted to identify ACM within a building prior to building demolition activities.

In accordance with New York State, Industrial Code Rule 56-1.9 (d); "Information derived from the building survey **shall be immediately transmitted by the building owner or his/her agent** to the commissioner through the Department's Division of Safety and Health, Asbestos Control Bureau, and to the local government entity charged with issuing a permit for such demolition under applicable State or local laws or, if no such permit is required to the town or city clerk where the building is located." The local New York State DOL office is located at:

State of New York
Department of Labor
Division of Safety and Health
Asbestos Control Bureau
65 Court Street
Buffalo, New York 14202

Asbestos Waste

Transportation and disposal of asbestos waste materials are regulated by NESHAP, the Department of Transportation (DOT) and the New York State DEC.

**CITY OF ROCHESTER
844 JOSEPH AVENUE
ROCHESTER, NEW YORK**

LIMITATIONS

The information provided in this report was compiled from field and laboratory data generated by Lozier Environmental Consulting, Inc., and was prepared for reference to the interior and exterior of 844 Joseph Avenue, Rochester, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations and quantifications of suspect asbestos containing materials within the building were subject to the accessibility of areas. Lozier Environmental Consulting, Inc. accepts no responsibility for the content of building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumptions that materials identified are homogeneous throughout their application. **This Survey is not subject to interpretation by parties other than the authors of this document. This includes asbestos location summaries and analytical data.**

Lozier assumes no liability for any other buildings that were not identified by the Client that may fall under state or federal regulations.

**CITY OF ROCHESTER
844 JOSEPH AVENUE
ROCHESTER, NEW YORK**

ASBESTOS CONTAINING MATERIALS BY LOCATION

BASEMENT

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Basement Stairwell	*Duct Seam Tape Insulation	Good	Friable	3 Square Feet
Room B-1	*Duct Seam Tape Insulation	Good	Friable	6 Square Feet
Room B-2	*Duct Seam Tape Insulation	Good	Friable	2 Square Feet
Room B-3	*Duct Seam Tape Insulation	Good	Friable	24 Square Feet

FIRST FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Store Front	Tan/Black Pebble Print Sheet Vinyl/Felt/Mastic	Good	NOB	957 Square Feet
Room 3	Window Glaze	Good	NOB	2 Square Feet
	*Storm Window Caulk	Good	Non-Friable	1 Square Foot
Office	Window Glaze	Good	NOB	2 Square Feet
	*Storm Window Caulk	Good	Non-Friable	1 Square Foot
Bathroom 2	Window Glaze	Good	NOB	1 Square Foot
	*Storm Window Caulk	Good	Non-Friable	1 Square Foot
Room 4	Window Glaze	Good	NOB	3 Square Feet
	Window Glaze – Stack of Window on Floor	Good	NOB	2 Square Feet
	*Storm Window Caulk	Good	Non-Friable	3 Square Feet
Entry/Stairwell to Second Floor	Yellow Wall Coating -over-Wall Plaster	Poor	Friable	210 Square Feet
	Wall Coating/Wall Plaster DEBRIS – clean-up of floor and horizontal surfaces	Poor	Friable	210 Square Feet

SECOND FLOOR

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Hallway	Window Glaze	Good	NOB	1 Square Foot
	*Storm Window Caulk	Good	Non-Friable	1 Square Foot
Room 1	Window Glaze	Good	NOB	3 Square Feet
	*Storm Window Caulk	Good	Non-Friable	3 Square feet
	Black Sink Mastic	Good	NOB	8 Square Feet
Hallway	Window Glaze	Good	NOB	1 Square Foot
	*Storm Window Caulk	Good	Non-Friable	1 Square Foot
Room 2	Window Glaze	Good	NOB	2 Square Feet
	*Storm Window Caulk	Good	Non-Friable	2 Square Feet

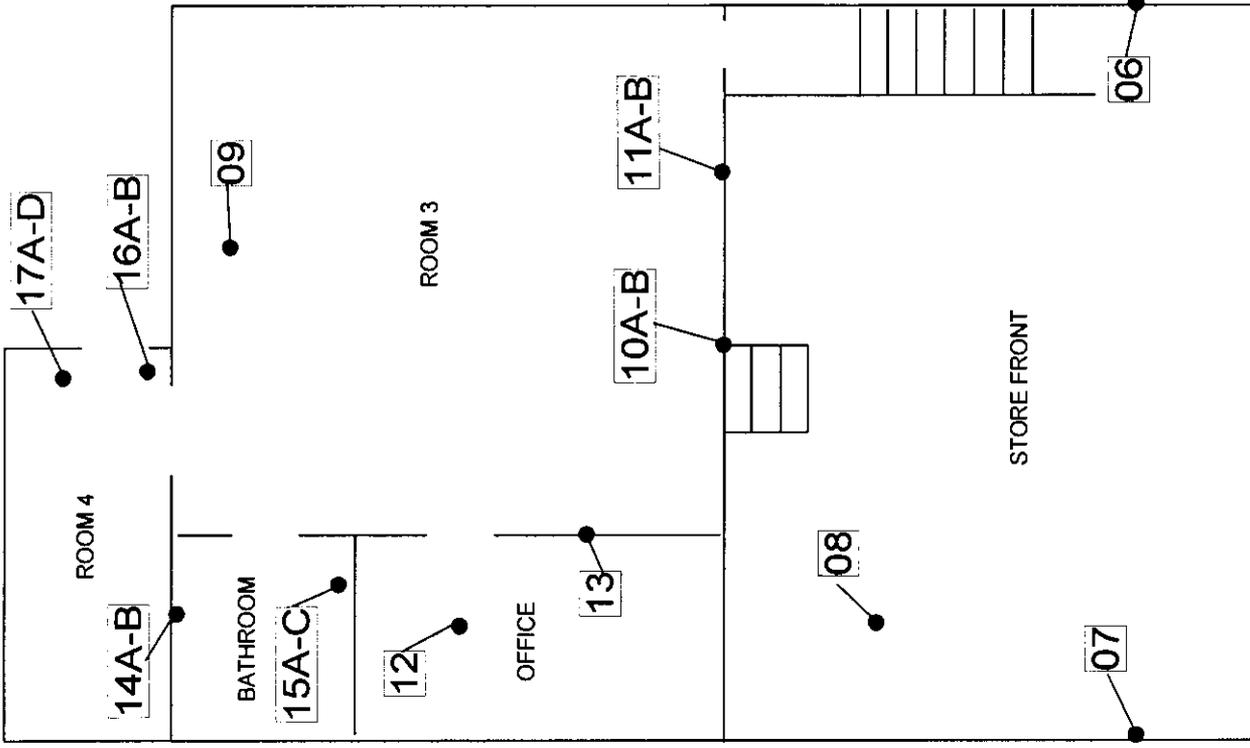
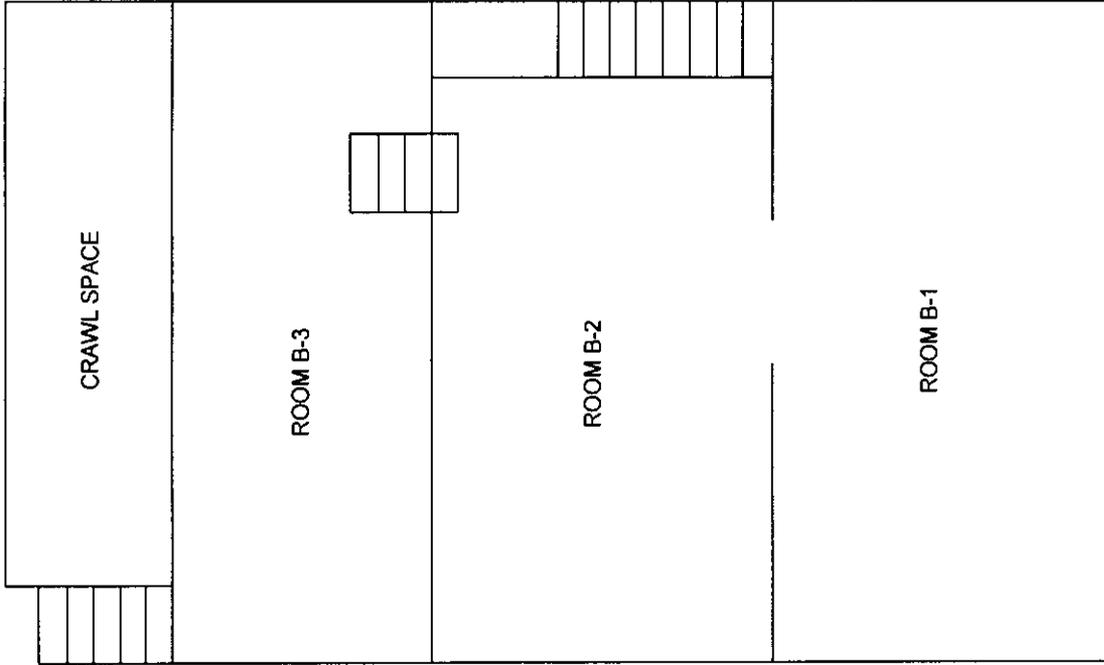
HOUSE ROOF

LOCATION	MATERIAL	COND.	CLASS	QUANTITY
Flat Roof: Roof Main	Black Tar/Felts – 4 Layers Total REMOVE ALL LAYERS AS ACM	Good	NOB	315 Square Feet
Flat Roof: Parapet Wall Flashing	Black Tar/Felts (4 Layers) over Green Shingle over Tar REMOVE ALL LAYERS AS ACM	Good	NOB	288 Square Feet
Throughout All Roofs	Black Tar Flashing on Chimney, All Roof Edges, and Penetrations	Good	NOB	30 Square Feet

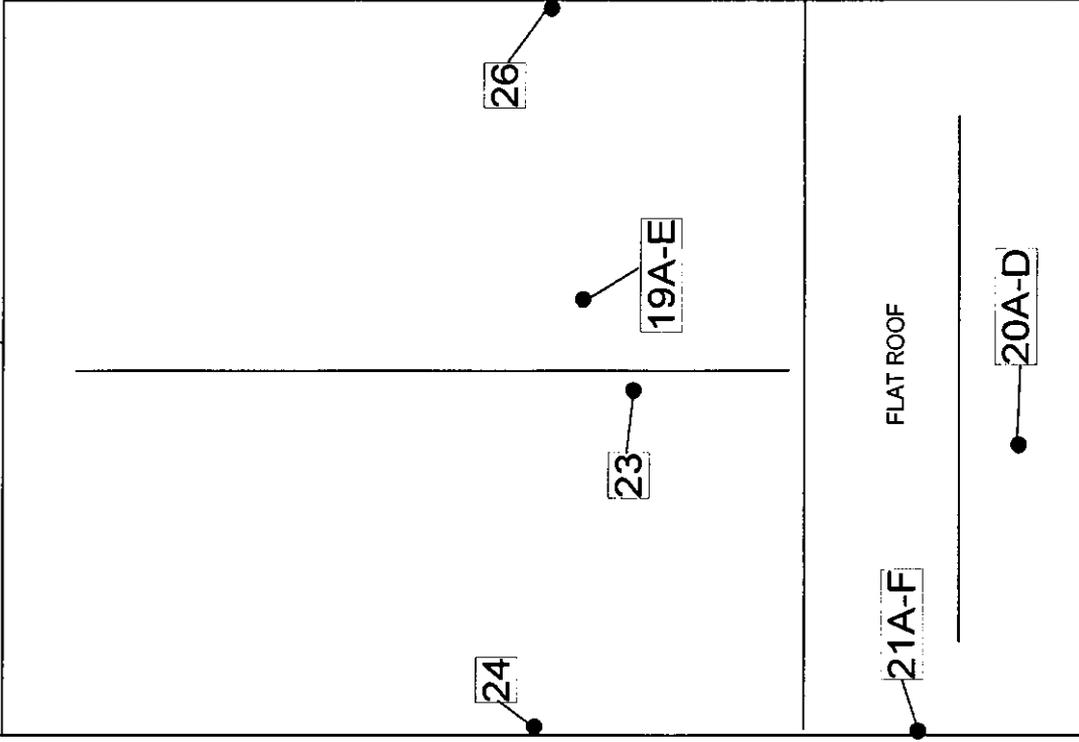
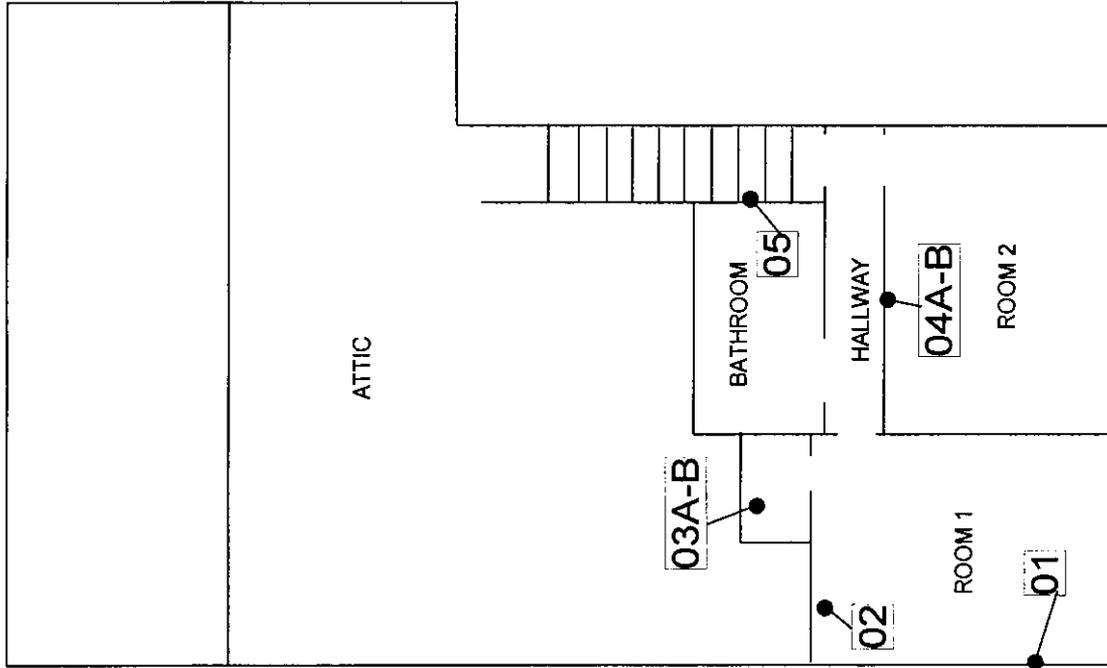
Notes:

- Condition: **Good** = No visible damage and/or very limited deterioration. **Fair** = visible damage or deterioration on less than 25% of the material. **Poor** = visible damage or deterioration greater than 25%.
- All quantities are approximations and should be verified by contractor prior to removal.
- * Duct seam tape and storm window caulk materials were not sampled and are presumed to be asbestos containing.

SAMPLE LOCATION DRAWINGS



PRE-DEMOLITION ASBESTOS SURVEY
 BASEMENT AND FIRST FLOOR
 SAMPLE LOCATIONS



PRE-DEMOLITION ASBESTOS SURVEY
SECOND AND ROOF
SAMPLE LOCATIONS

**PHOTOGRAPHS
OF
ASBESTOS CONTAINING SAMPLES**

844 JOSEPH AVENUE
ROCHESTER, NEW YORK



Figure 1: 844 Joseph Avenue, Rochester, New York



Figure 2: Kitchen - Sample No. 2: Black Sink Mastic

844 JOSEPH AVENUE
ROCHESTER, NEW YORK

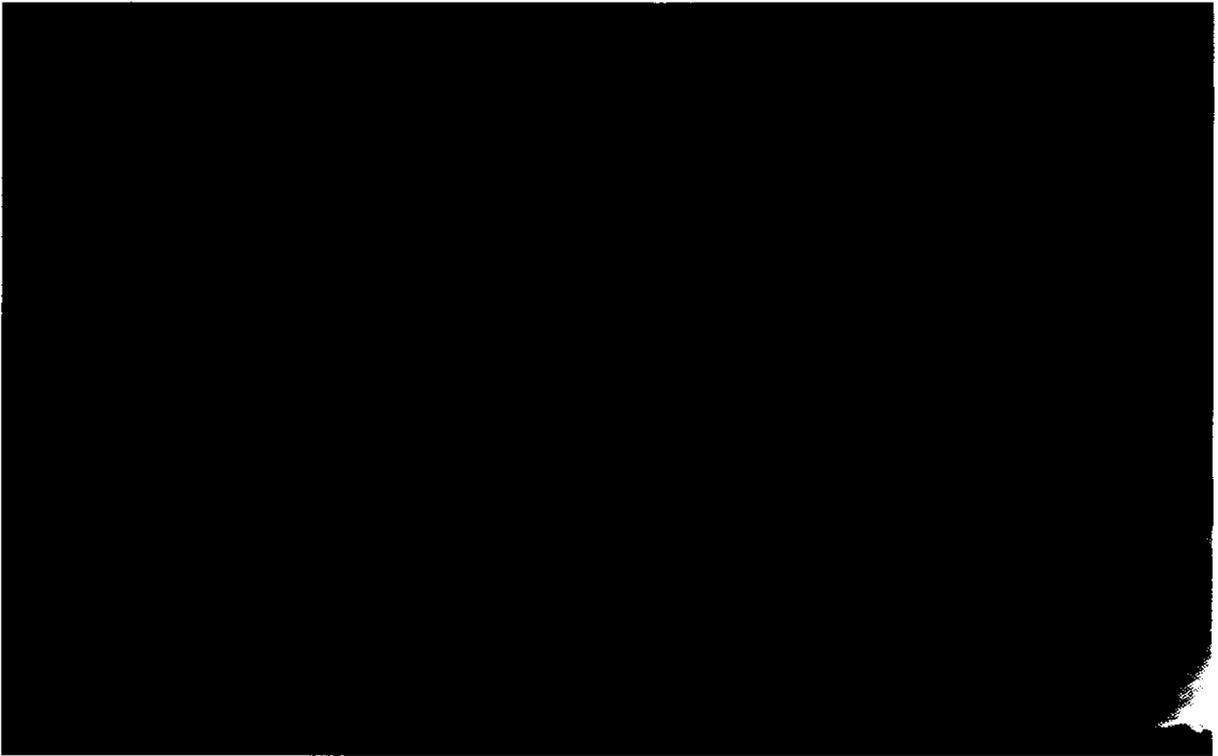


Figure 3: Side Entry/Stairwell- Sample No. 5: Yell Wall Coating



**Figure 4: Store Front-Sample No. 8: Tan/Black Pebble Print Sheet
Vinyl/Felt/Mastic**

844 JOSEPH AVENUE
ROCHESTER, NEW YORK



Figure 5: First Floor – Bathroom - Sample No. 14 & 16: Ceiling Spackle & Wall Spackle

**LABORATORY ANALYTICAL RESULTS
AND
CHAINS OF CUSTODY**



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 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 47776
Date Received: 12/4/15
Report Date: 12/8/15
Analysis Date: 12/8/15
Page: 1 of 3

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 844 Joseph Avenue, Rochester, New York

SAMPLE INFORMATION

Sample Date: 12/2/15	Location: Interior	Analyst: G. Ferruzza
Sampler: L. Mottler/K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 28

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
1	47776-1	Room 1	Beige Window Glaze	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%	Treat As ACM
2	47776-2	Room 1	Black Sink Mastic	Chrysotile 12.7%	12.7%		NOB	None Detected 0%	87.3%	N/A
3A	47776-3A	Room 1 Closet	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
3B	47776-3B	Room 1 Closet	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
4A	47776-4A	Room 2	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
4B	47776-4B	Room 2	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
5	47776-5	Side Entry/Stairwell	Yellow Wall Coating	Chrysotile 1.1%	1.1%		F	None Detected 0%	98.9%	N/A
6	47776-6	Store Front	White Wall Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
7	47776-7	Store Front	White Soffit Spackle	None Detected 0%	0%		F	None Detected 0%	100%	N/A
8	47776-8	Store Front	Tan/Black Pebble Print Sheet Vinyl/Felt/Mastic	Chrysotile 24.2%	24.2%		NOB	None Detected 0%	75.8%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

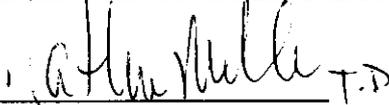
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



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Client: City of Rochester
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Laboratory No.: 47776
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Attn: Chuck Fox

Page: 2 of 3

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 844 Joseph Avenue, Rochester, New York

SAMPLE INFORMATION

Sample Date: 12/2/15	Location: Interior	Analyst: G. Ferruzza
Sampler: L. Mottler/K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 28

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
9	47776-9	Room 3	Gray 2'x4' Small Fissure Pinhole Ceiling Tile	Inconclusive None Detected 0%	0%	*	F	Cellulose 30% Mineral Wool 10%	60%	NAD
10A	47776-10A	Room 3	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
10B	47776-10B	Room 3	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
11A	47776-11A	Room 3	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
11B	47776-11B	Room 3	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
12	47776-12	Office	Gray 2'x4' Small Fissure Pinhole Ceiling Tile	Inconclusive None Detected 0%	0%	*	F	Cellulose 25% Mineral Wool 15%	60%	NAD
13	47776-13	Office	White Window Glaze	Chrysotile 6%	6%		NOB	None Detected 0%	94%	N/A
14A	47776-14A	Bathroom	White Wall Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
14B	47776-14B	Bathroom	Gray Wall Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 10%	90%	N/A
15A	47776-15A	Bathroom	Tan Marble Print 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By: T.D.
 J. DeNik Laboratory Director



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Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 47776
Date Received: 12/4/15
Report Date: 12/8/15
Analysis Date: 12/8/15

Attn: Chuck Fox

Page: 3 of 3

Project Site: 844 Joseph Avenue, Rochester, New York

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 12/2/15	Location: Interior	Analyst: G. Ferruzza
Sampler: L. Mottler/K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 28

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOB	CLAS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
15B	47776-15B	Bathroom	Black Felt Vapor Barrier 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
15C	47776-15C	Bathroom	Black/Brown Vapor Barrier/Mastic 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
16A	47776-16A	Room 4	White Ceiling Plaster 1st Layer	None Detected 0%	0%		F	None Detected 0%	100%	N/A
16B	47776-16B	Room 4	Gray Ceiling Plaster 2nd Layer	None Detected 0%	0%		F	Cellulose 15%	85%	N/A
17A	47776-17A	Room 4	Tan/Black Marble 12"x12" Floor Tile 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
17B	47776-17B	Room 4	Black Felt/Vapor Barrier 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
17C	47776-17C	Room 4	Beige Marble Flooring 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
17D	47776-17D	Room 4	Black Felt/Vapor Barrier 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

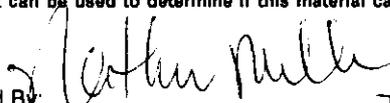
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Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director



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Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 47802
Date Received: 12/8/15
Report Date: 12/11/15
Analysis Date: 12/12/15
Page: 1 of 3

Attn: Chuck Fox

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 844 Joseph Avenue, Rochester, New York 14614

SAMPLE INFORMATION

Sample Date: 12/8/15	Location: Exterior	Analyst: N. Miller
Sampler: L. Mottler/K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 25

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
18A	47802-18A	Roof Main #3	Gray/Green Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 15%	85%	NAD
18B	47802-18B	Roof Main #3	Gray/Tan/Brown Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
18C	47802-18C	Roof Main #3	Gray/Black Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Actinolite Trace
18D	47802-18D	Roof Main #3	Red/Green Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	Synthetic 3%	97%	Chrysotile Trace
18E	47802-18E	Roof Main #3	Red Shingle 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	Synthetic 3%	97%	Chrysotile Trace
19A	47802-19A	Roof Main #2	Gray Shingle 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	Fiberglass 15%	85%	NAD
19B	47802-19B	Roof Main #2	Gray/Tan/Red Shingle 2nd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
19C	47802-19C	Roof Main #2	Red Shingle 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	Synthetic 2%	98%	Chrysotile Trace
19D	47802-19D	Roof Main #2	Red Shingle 4th Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Chrysotile Trace
19E	47802-19E	Roof Main #2	Green Shingle 5th Layer	Inconclusive None Detected 0%	0%	*	NOB	Synthetic 2%	98%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

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*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By:
 J. DeNike Laboratory Director



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Laboratory No.: 47802
 Date Received: 12/8/15
 Report Date: 12/11/15
 Analysis Date: 12/12/15

Attn: Chuck Fox

Page: 2 of 3

TEM Results on Following Pages
 Chain of Custody in Following Pages

Project Site: 844 Joseph Avenue, Rochester, New York 14614

SAMPLE INFORMATION

Sample Date: 12/8/15	Location: Exterior	Analyst: N. Miller
Sampler: L. Mottler/K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 25

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NOTE	CLASS	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
20A	47802-20A	Flat Roof Roof Main	Black Tar/Felt 1st Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
20B	47802-20B	Flat Roof Roof Main	Black Tar/Felt 2nd Layer	Chrysotile 1.6%	1.6%		NOB	None Detected 0%	98.4%	N/A
20C	47802-20C	Flat Roof Roof Main	Black Tar/Felt 3rd Layer	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
20D	47802-20D	Flat Roof Roof Main	Black Tar/Felt 4th Layer	None Detected 0%	0%	**	NOB	None Detected 0%	100%	N/A
21A	47802-21A	Parapet Wall Flashing	Black Tar/Felt 1st Layer	Chrysotile 5.9%	5.9%		NOB	None Detected 0%	94.1%	N/A
21B	47802-21B	Parapet Wall Flashing	Black Tar/Felt 2nd Layer	None Detected 0%	0%	**	NOB	None Detected 0%	100%	N/A
21C	47802-21C	Parapet Wall Flashing	Black Tar/Felt 3rd Layer	Inconclusive Chrysotile <1%	<1%	*	NOB	None Detected 0%	>99%	Treat As ACM
21D	47802-21D	Parapet Wall Flashing	Black Tar/Felt 4th Layer	Chrysotile 3.4%	3.4%		NOB	None Detected 0%	96.6%	N/A
21E	47802-21E	Parapet Wall Flashing	Green Shingle 5th Layer	Chrysotile 2.4%	2.4%		NOB	None Detected 0%	97.6%	N/A
21F	47802-21F	Parapet Wall Flashing	Black Tar 6th Layer	Chrysotile 2.1%	2.1%		NOB	None Detected 0%	97.9%	N/A

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

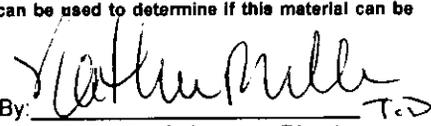
NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

** Less than 1% residue remaining after gravimetric reduction; TEM analysis not required.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By:  T.D.
 J. DeNike Laboratory Director



2011 East Main Street, Rochester, New York 14609
 Phone: 585-654-9080 Fax (585) 654-9662
 www.LozierEnv.com
 ELAP #11770

Client: City of Rochester
 30 Church Street
 Rochester, New York 14614

Laboratory No.: 47802
Date Received: 12/8/15
Report Date: 12/11/15
Analysis Date: 12/12/15

Attn: Chuck Fox

Page: 3 of 3

Project Site: 844 Joseph Avenue, Rochester, New York 14614

TEM Results on Following Pages
 Chain of Custody in Following Pages

SAMPLE INFORMATION

Sample Date: 12/8/15	Location: Exterior	Analyst: N. Miller
Sampler: L. Mottler/K. Liddell	Type of Sample: Bulk Asbestos	Number of Samples: 25

ASBESTOS BULK LABORATORY REPORT

Client ID	Lab ID	Sampling Location	Description	PLM Asbestos Fibers (%)	PLM Total Asbestos (%)	NO	CLASB	PLM Non-Asbestos Fibers (%)	Matrix Material (%)	TEM Results Asbestos (%)
22	47802-22	Roof Edge	Black Flashing/Tar	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	Treat As ACM
23	47802-23	Penetration	Black Flashing/Tar	Chrysotile 11.8%	11.8%		NOB	None Detected 0%	88.2%	N/A
24	47802-24	North Wall	Tan/Red Asphalt Shingle Siding	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
25	47802-25	South Wall	Tan/Red Asphalt Shingle Siding	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD
26	47802-26	South Wall	Black Asphalt Siding Caulk	Inconclusive None Detected 0%	0%	*	NOB	None Detected 0%	100%	NAD

Analysis Method: Polarized Light Microscopy (PLM) - Friable Material: EPA 600/M4-82-020, New York State ELAP Item 198.1 and NOB Material: ELAP Item 198.6.

Analytical results relate only to the sample received and analyzed.

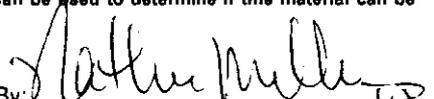
Material Classification: F = Friable, NF = Non-Friable, NOB = Non-Friable Organically Bound.

NAD: No Asbestos detected by TEM analysis

N/A: Not applicable; TEM analysis not required

*Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings & similar non-friable organically bound materials (NOB) and ceiling tiles that contain cellulose fibers. Quantitative Transmission Electron Microscopy (TEM) is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

Analyst: G. Ferruzza - NIKON Optiphot 2 Polarized Light Microscope (136048)
 Analyst: N. Miller - Meiji Polarized Light Microscope (MT9920)

Approved By: 
 J. DeNike Laboratory Director

Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester
Address: 2011 East Main Street **Job Location:** 844 Joseph Street
Rochester, New York 14609 **Job Number:** 47776
Attention: Jeanne DeNike **P.O. Number:** Not Provided
Chain of Custody: 530075
Date Analyzed: 12/11/2015
Person Submitting: Gina Ferruzza

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16029794	47776-9	Residue	NAD	N/A	NAD		27.0%	17.0%	56.0%			
16029795	47776-12	Residue	NAD	N/A	NAD		27.9%	19.4%	52.7%			
16029796	47776-15A	Residue	NAD	N/A	NAD		28.2%	27.8%	44.0%			
16029797	47776-15B	Residue	NAD	N/A	NAD		89.7%	5.9%	4.5%			
16029798	47776-15C	Residue	NAD	N/A	NAD		38.2%	5.4%	56.4%			
16029799	47776-17A	Residue	NAD	N/A	NAD		33.6%	41.4%	25.0%			
16029800	47776-17B	Residue	NAD	N/A	NAD		80.3%	8.9%	10.8%			
16029801	47776-17C	Residue	TR	N/A	TR	Chrysotile	64.0%	21.2%	14.8%			
16029802	47776-17D	Residue	NAD	N/A	NAD		87.5%	2.7%	9.8%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester **Chain of Custody:** 530075
Address: 2011 East Main Street **Job Location:** 844 Joseph Street **Date Analyzed:** 12/11/2015
 Rochester, New York 14609 **Job Number:** 47776 **Person Submitting:** Gina Ferruzza
Attention: Jeanne DeNike **P.O. Number:** Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
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- * Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.
 - ** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"
 - *** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)
- All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director: Andreas Saldivar Analyst(s): Michael Greenberg

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CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc. **Job Name:** City of Rochester **Chain of Custody:** 530128
Address: 2011 East Main Street **Job Location:** 344 Joseph Avenue **Date Analyzed:** 12/15/2015
 Rochester, New York 14609 **Job Number:** 47802 **Person Submitting:** Nathan Miller
Attention: Jeanne DeNite **P.O. Number:** Not Provided

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
16031116	47802-18A	Residue	NAD	N/A	NAD		23.0%	46.4%	30.6%			
16031117	47802-18B	Residue	TR	N/A	TR	Chrysotile	52.0%	7.2%	40.7%			
16031118	47802-18C	Residue	TR	N/A	TR	Actinolite	57.3%	8.6%	34.1%			
16031119	47802-18D	Residue	TR	N/A	TR	Chrysotile	50.2%	19.5%	30.2%			
16031120	47802-18E	Residue	TR	N/A	TR	Chrysotile	58.4%	12.0%	29.6%			
16031121	47802-19A	Residue	NAD	N/A	NAD		21.4%	43.8%	34.8%			
16031122	47802-19B	Residue	NAD	N/A	NAD		43.0%	6.4%	50.6%			
16031123	47802-19C	Residue	TR	N/A	TR	Chrysotile	53.8%	33.4%	12.8%			
16031124	47802-19D	Residue	TR	N/A	TR	Chrysotile	59.4%	4.7%	35.8%			
16031125	47802-19E	Residue	NAD	N/A	NAD		75.2%	8.2%	16.6%			
16031126	47802-24	Residue	NAD	N/A	NAD		42.7%	4.3%	53.0%			
16031127	47802-25	Residue	NAD	N/A	NAD		47.4%	4.0%	48.6%			
16031128	47802-26	Residue	NAD	N/A	NAD		64.7%	16.4%	18.9%			

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the person submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

CERTIFICATE OF ANALYSIS

Client: Lozier Environmental Consulting, Inc.
Address: 2011 East Main Street
 Rochester, New York 14609
Attention: Jeanne DeNike

Job Name: City of Rochester
Job Location: 844 Joseph Avenue
Job Number: 47802
P.O. Number: Not Provided

Chain of Custody: 530128
Date Analyzed: 12/15/2015
Person Submitting: Nathan Miller

Summary of Asbestos Analysis of Non-Friable Organically Bound (NOB) Bulk Samples

AMA Sample Number	Client Sample #	Sample Type *	% Total Asbestos **	% Asbestos by PLM ***	% Asbestos by TEM ***	Type(s) of Asbestos	% Organics	% Acid Soluble	% Other	Material Type	Sample Color	Comments
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* Whole = Whole sample submitted and gravimetric reduction performed by AMA Analytical Services Residue = Gravimetric reduction of sample performed by client and residue only submitted for analysis.
 ** NAD = "No Asbestos Detected" TR = "Trace equals less than 1% of this component"
 *** PLM = Polarized Light Microscopy after gravimetric reduction (NY ELAP Method 198.6) TEM = Transmission Electron Microscopy after gravimetric reduction (NY ELAP Method 198.4)
 All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Technical Director Andreas Saldivar


 Analyst(s) Michael Greenberg

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by NY ELAP or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770



Client: City of Rochester Sample Date: 12/2/06 Lab No.: 47776 Contacted Client: NR

Address: 30 Church St. Turn Around: _____ Left Message: _____

Rochester, NY 14614 Location: 844 Joseph Road, TEM 1 TIR 2-day Sent

Contact: Chuck Fox Rochester, NY

Phone # _____ Fax # _____ No. Samples: 10 (28) Sampled By: L. M. OFFICER, K. Liddell

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM + -
1	47776-1	Room #1	Beige	Window Glaze		1	NOB	-
2	-2	"	Black	Sink Mastic		1	NOB	+
3A	-3A	Room - closet	white	Ceiling Plaster		1	F	-
3B	-3B	"	Gray	"		2	F	-
4A	-4A	Room #2	white	Wall Plaster		1	F	-
4B	-4B	"	Gray	"		2	F	-
5	-5	Side Entry/Stairwell	Yellow	Wall Coating		1	F	+
6	-6	Store Front	white	Wall Spackle		1	F	-
7	-7	"	"	SOFFIT SPACKLE		1	F	-
8	-8	"	Tan Pebble / Blk	Sheet Vinyl / FCH Plaster		1	NOB	+

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: John V. Vukobratovic
 DATE: 12/4/06 TIME: 0905

Relinquished By: John V. Vukobratovic
 DATE: _____ TIME: _____



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)-654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester
 Address: 30 Church St.
 Lab No.: 47776
 Contact: Chuck Fox
 Location: 844 Joseph Ave., Rochester, N.Y.
 No. Samples: 10
 Sample Date: _____
 Turn Around: _____
 Contacted Client: _____
 Left Message: _____
 T/R: _____
 Sent: _____
 Sampled By: L. MOTTLE, R. Laddell

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
9	47776-9	Room #3	Gray	2x4 Gm. Fib. Pl. Ceiling Tile		1	F	✓
10A	-10A	" "	White	Ceiling Plastic		1	F	-
10B	-10B	" "	Gray	" "		2	F	-
11A	-11A	" "	White	Wall Plastic		1	F	-
11B	-11B	" "	Gray	" "		2	F	-
12	-12	Office	Gray	2x4 Spr. Fib. Pl. Ceiling Tile		1	F	✓
13	-13	" "	White	Window Glass		1	NOB	+
14A	-14A	Bathroom	White	Wall Plastic		1	F	-
14B	-14B	" "	Gray	" "		2	F	-
15A	-15A	" "	Amphibole Print	8x10 Floor Tile		1	NOB	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *Catherine [Signature]*
 DATE: 12/4/05
 TIME: 0905
 Relinquished By: *[Signature]*
 DATE: _____
 TIME: _____



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester
 Address: 30 Church St.
 Lab No.: 47776
 Contacted Client
 Sample Date: _____
 Turn Around: _____
 Location: 844 Joseph Ave
 Left Message
 Contact: Chuck Fox
 Rochester, NY 14614
 TEM
 T/R Sent

No. Samples: 8
 Sampled By: LIMOTTLER, K Liddell

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
15B	47776-15B	Bathroom	Black	Felt Vapor Barrier		1	NOB	✓
15C	-15C	"	Black/Brown	Vapor Barrier/Mastic		1	NOB	✓
16A	-16A	Room #4	White	Ceiling Plaster		1	F	
16B	-16B	"	Gray	"		2	F	
17A	-17A	"	Black Marble	Large Floor Tile		1	NOB	✓
17B	-17B	"	Black	Felt Vapor Barrier		2	NOB	✓
17C	-17C	"	Beige Marble	Flooring		3	NOB	✓
17D	-17D	"	Black	Felt Vapor Barrier		4	NOB	✓

Relinquished By: *[Signature]*
 DATE: 12/4/16
 TIME: 0905

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: *[Signature]*
 DATE: 12/4/16
 TIME: 0905



2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)-654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

PLM ASBESTOS BULK MATERIAL SAMPLES
 Page 1 of 3

Client: City of Rochester Lab No.: 47802 Contacted Client: _____
 Address: 30 Church St. Turn Around: _____
 Rochester, NY 14614 Location: 844 Joseph Ave TEM TIR 2 days sent
 Contact: Chuck Fox

Sample Date: 12/8/15
 No. Samples: 25
 Sampled By: L. METTLER, R. Liddell

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB	TEM
18A	47802-18A	Roof main #3	Gray/Green	Shingle		1	NOB	✓
18B	-18B		Gray/Tan/Brown	"		2	NOB	✓
18C	-18C		Gray/Black	"		3	NOB	✓
18D	-18D		Red/Green	"		4	NOB	✓
18E	-18E	↘	Red	"		5	NOB	✓
19A	-19A	Roof main #2	Gray	Shingle		1	NOB	✓
19B	-19B		Gray/Tan/Red			2	NOB	✓
19C	-19C		Red			3	NOB	✓
19D	-19D		Red			4	NOB	✓
19E	-19E	↘	Green			5	NOB	✓

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: [Signature] DATE: 12/8/15 TIME: 1:53
 Relinquished By: [Signature] DATE: 12/8/15 TIME: _____



PLM ASBESTOS BULK MATERIAL SAMPLES

2011 East Main Street, Rochester, New York
 Phone (585)-654-9080 Fax (585)654-9662 www.LozierEnv.com
 ELAP Accredited No. 11770

Client: City of Rochester Sample Date: 12/8/15 Lab No.: 47802 Contacted Client _____
 Address: 30 Church St. Turn Around: _____
 Location: 844 Joseph Ave TEM _____ T/R _____ Sent _____
 Contact: Chuck Fox Left Message _____

Client ID	Lab ID	Room/Area Location	Color/Description	Material Type	Stop Positive	Layer No.	F - NF NOB		TEM
							+	-	
20A	47802-20A	Flat Roof main (R1)	Black	Tar/Felt		1	N	0	+
20B	-20B	" "	" "	" "		2	N	0	+
20C	-20C	" "	" "	" "		3	N	0	+
20D	-20D	" "	" "	" "		4	N	0	+
21A	-21A	Parapet wall / Flashing	Black	Tar/Felt		1	N	0	+
21B	-21B	" "	" "	" "		2	N	0	+
21C	-21C	" "	" "	" "		3	N	0	+
21D	-21D	" "	" "	" "		4	N	0	+
21E	-21E	" "	Green	Shingle		5	N	0	+
21F	-21F	" "	Black	Tar		6	N	0	+

No. Samples: _____ Sampled By: L. MOTTLE, K. Lickel

TRANSPORTED TO: LOZIER ENVIRONMENTAL CONSULTING, INC.
 RECEIVED BY: [Signature] Relinquished By: [Signature]
 DATE: 12/8/15 TIME: 1537 DATE: 12/8/15 TIME: _____

CERTIFICATIONS

New York State – Department of Labor

Division of Safety and Health
License and Certificate Unit
State Campus, Building 12
Albany, NY 12240

ASBESTOS HANDLING LICENSE

Lozier Environmental Consulting, Inc.

2011 East Main Street

Rochester, NY 14609

FILE NUMBER: 02-0434

LICENSE NUMBER: 29997

LICENSE CLASS: RESTRICTED

DATE OF ISSUE: 05/21/2015

EXPIRATION DATE: 05/31/2016

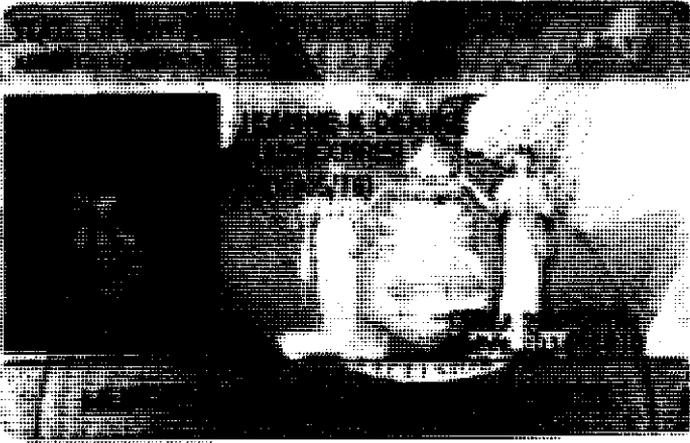
Duly Authorized Representative – Ronald A Arthurs:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.



Eileen M. Franko, Director
For the Commissioner of Labor



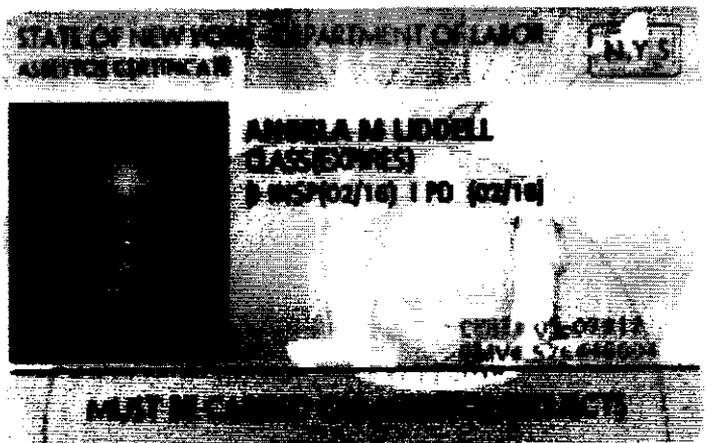
STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



LESTER J MOTTLER
CLASS(EXPIRES)
C ATEC(04/16) D HSP(04/16)
H PM (04/16)

TEST # 10-10000
DATE 12/1/15

MUST BE CARRIED ON ASBESTOS PROJECTS



STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



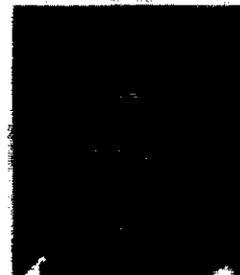
ANGELA M LIDDELL
CLASS(EXPIRES)
D HSP(02/16) I PD (02/16)

TEST # 10-10000
DATE 01/15/16

MUST BE CARRIED ON ASBESTOS PROJECTS



STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



ROMA A ARDUINI
CLASS(EXPIRES)
C ATEC(07/16) D HSP(07/16)
H PM (07/16)

TEST # 10-10000
DATE 07/15/16

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



KIEL D LIDDELL
CLASS(EXPIRES)
C ATEC(01/16) D HSP(01/16)
H PM (01/16)

TEST # 10-10000
DATE 12/1/15

MUST BE CARRIED ON ASBESTOS PROJECTS

STATE OF NEW YORK - DEPARTMENT OF LABOR
ASBESTOS CERTIFICATE



DANIEL G ENGLER
CLASS(EXPIRES)
C ATEC(04/16) D HSP(04/16)
H PM (04/16) I PD (04/16)

TEST # 10-10000
DATE 01/15/16

MUST BE CARRIED ON ASBESTOS PROJECTS

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

**MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609**

NY Lab Id No: 11770

*is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:*

Miscellaneous

Fibers

NIOSH 7400 A RULES

Serial No.: 52562

Property of the New York State Department of Health - Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (516) 485-5570 to verify the laboratory's accreditation status.

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 602 Public Health Law of New York State

MR. G EDWARD CARNEY
AMA ANALYTICAL SERVICES INC
4475 FORBES BLVD
LANHAM MD 20708

NY Lab Id No: 10920

Is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Metals I

Lead, Total EPA 7000B

Miscellaneous

Asbestos in Friable Material Item 198.1 of Manual
EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM Item 198.8 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM Item 198.4 of Manual

Lead in Dust Wipes EPA 7000B

Lead in Paint EPA 7000B

Sample Preparation Methods

EPA 600/R-83/200

ASTM E-1079-12

Serial No.: 52183

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised April 22, 2015

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 of the Public Health Law of New York State

MS. JEANNE K. DENIKE
LOZIER ENVIRONMENTAL CONSULTING, INC
2011 EAST MAIN STREET
ROCHESTER, NY 14609

NY Lab Id No: 11770

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Item 198.1 of Manual EPA 600/M4/82/020
Asbestos in Non-Friable Material-PLM	Item 198.6 of Manual (NOB by PLM)

Serial No. 52874

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