

Asbestos-Containing Materials Inspection
Lurie Terrace Apartments
600 West Huron Street
Ann Arbor, Michigan

Ann Arbor Affordable Housing Corporation

June 1, 2023

ASTI ENVIRONMENTAL



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Lurie Terrace Apartments
600 West Huron Street
Ann Arbor, Michigan

June 1, 2023

Report Prepared For:

Ann Arbor Affordable Housing Corporation
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Ann Arbor, Michigan 48035

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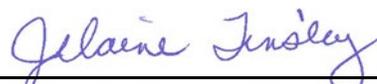
ASTI Project No. 12793

Report Prepared by:



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Executive Summary

ASTI Environmental (ASTI) was retained by Ann Arbor Affordable Housing Corporation to conduct an asbestos-containing material (ACM) inspection of the building located at 600 West Huron Street Ann Arbor, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied, are made.

The structure inspected consists of an eight-story apartment building containing 132 apartment units. Based on the inspection conducted by ASTI on May 16, 2023, the following ACMs were identified on the Subject Property:

| MATERIAL | LOCATION | ESTIMATED QUANTITY |
|---|--------------------------------------|------------------------------|
| Brown Floor Tile (beneath Plank flooring) | 8 th Floor Lunch Area | 1,200 ft ² |
| Ceiling Texture – White Popcorn | Throughout | 105,000 ft ² |
| Drywall Joint Compound – White | Throughout | 450,000 ft ² |
| 9x9 Floor Tile – Cream w/ Tan & Brown | Unit 222 Entry | 350 ft ² observed |
| Floor Tile – Beige (beneath White & Tan 12"x12" floor tile) | Unit 611 Bathroom | 100 ft ² observed |
| Floor Tile – White w/ Spots | Floors 1-7 Common Rooms | 1,800 ft ² |
| Sink Undercoat – Silver & Black | Office Kitchen | 5 ft ² |
| Floor Tile – Beige (beneath Green 12"x12" floor tile) | Office Kitchen & main office Closets | 50 ft ² observed |
| Foundation Tar – Black | Foundation | 3,000 ft ² |
| Old Door Caulk – Black | Doors to Ground Floor | 2 ft ² |

Presumed Asbestos-Containing Materials

During completion of the inspection, several materials were identified as potential ACMs, however, due to the destructive nature of sampling required; these materials were not sampled at this time and should be considered as presumed asbestos-containing materials (PACMs) until they can be sampled. The following PACMs were identified during the site inspection.

Presumed Asbestos-Containing Materials Summary

| MATERIAL | LOCATION | ESTIMATED QUANTITY |
|------------------------|---------------------|---------------------------|
| Fire Door & Frame Sets | Throughout Hallways | 40 Sets |
| Roofing Materials | Roof | Not Quantified |
| Bathtub Undercoating | Apartment Bathrooms | 132 Bathtubs |

1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Ann Arbor Affordable Housing Corporation to conduct an asbestos-containing material (ACM) inspection at 600 West Huron Street, Ann Arbor, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Ann Arbor Affordable Housing Corporation; ASTI acknowledges that said parties may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied are made.

2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.

- As all units were carpeted throughout with the exception of bathrooms and kitchens, ASTI was not able to thoroughly evaluate materials beneath the carpeting. The areas where ASTI was able to observe the flooring under the carpet were a mix of concrete and floor tile. Floor tile found under the carpet tested positive for asbestos. Therefore, should any flooring be encountered during carpet removal, the flooring and any associated mastics should be presumed to contain asbestos until tested and proven otherwise.
- Hollow concrete block was used in the construction of the buildings. ASTI inspected several holes that were located in the concrete block walls to exam for insulation. No insulation was encountered in these locations. However, the possibility exists for suspect ACM insulation to be present inside the concrete block. If during demolition/renovation material is found within the concrete block it should be assumed to be ACM until it can be sampled and analyzed for asbestos content.
- Due to the destructive nature the roofing materials could not be fully evaluated at this time. Further evaluation of the roof should be performed prior to roof replacement.
- ASTI was unable to access units 120, 606, 727, 726, 809 and the 8th floor dining room storage closet. If any suspect materials not covered in this report are discovered, they should be treated as ACMs until testing proves otherwise.

3.0 SUBJECT PROPERTY DESCRIPTION

Lurie Terrace Apartments is an eight-story building with a partial basement constructed in 1963. The building is constructed with poured concrete and block structural walls, partial basement, and flat roof. Interior features include 132 apartments, common rooms, dining room, kitchen, laundry room, and an office.

4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

John Schuitema (Asbestos Inspector No. A51781) and Lathan Saperstein (Asbestos Inspector No. A58122) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located at 600 West Huron Street, Ann Arbor, Michigan on May 16, 2023. Copies of Mr. Schuitema's & Mr. Saperstein's resumes and asbestos accreditation are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

ASTI is aware of two previous limited ACM inspections of the Subject Property conducted by Dominion Due Diligence Group (Dominion) issued July 1, 2020, and Nova Environmental, Inc (Nova) issued May 20, 2020.

Dominion only tested drywall, drywall tape drywall mud joint compound and ceiling materials which included 2' white protruded ceiling panels, 2' white textured ceiling panels, 2'x4' white wormed ceiling panels, popcorn ceiling texture, and 2'x4' white pinhole ceiling panels. The drywall mud joint compound, and popcorn ceiling texture were identified as asbestos containing.

Nova only conducted ACM sampling in three unoccupied apartments, the units were 209, 320 and 714. Nova only sampled drywall, drywall mud, drywall tape and popcorn ceiling material. The drywall and drywall tape were found to contain a trace amount of asbestos. The popcorn ceiling material was identified as asbestos containing. Refer to Appendix B for these prior reports.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The inspection included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

Asbestos-Containing Material (ACM): *any material or product which contains more than one percent asbestos.*

Surfacing Materials (SM): material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.

Thermal System Insulation (TSI): material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.

Miscellaneous Materials (MM): interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.

Friable: material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.

Non-friable: material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.

Homogeneous areas (HAs): an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.

4.3 Sample Collection

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

- Roofing Materials (various types)
- Ceiling Tile (various types)
- Glue Pods
- Cove Base (various types)
- Mastics (various types)
- Plank Flooring (various types)
- Fire Caulk (various types)
- Ceiling Texture
- Linoleum (various types)
- Glue (various types)
- Vibration Dampener

- Dry Wall & Joint Compound
- Caulk (various types)
- Sink Undercoat (various types)
- Floor Tile (various types)
- Textured Paint
- Mortar (various types)
- Foundation Tar

ASTI collected 106 bulk samples from the suspect ACMs. A total of 141 sample layers were analyzed. Six samples were point counted. The bulk samples were transmitted under chain-of-custody protocol to APEX Research Inc. in Brighton, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.

4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that the following ACMs were identified on the Subject Property:

| HA | Material/Description | Location | Asbestos Result |
|----|---|-----------------------|---------------------|
| 8 | Brown Floor Tile (beneath Plank flooring) | 8th Floor Lunch Area | 10% Chrysotile |
| 11 | Ceiling Texture – White Popcorn | Throughout | 1.5% Chrysotile PC |
| 15 | Drywall Joint Compound – White | Throughout | 1.5% Chrysotile PC |
| 25 | 9x9 Floor Tile – Cream w/ Tan & Brown | Unit 222 Entry | 5% Chrysotile |
| 38 | Floor Tile – Beige (beneath White & Tan 12"x12" floor tile) | Unit 611 Bathroom | 1.75% Chrysotile PC |
| 42 | Floor Tile – White w/ Spots | 2nd Floor Common Room | 1.75% Chrysotile PC |
| 46 | Sink Undercoat – Silver & Black | Office Kitchen | 5% Chrysotile |
| 47 | Floor Tile – Beige (beneath Green 12"x12" floor tile) | Office Kitchen Closet | 5% Chrysotile |
| 48 | Foundation Tar – Black | Foundation | 5% Chrysotile |
| 50 | Old Door Caulk – Black | Doors to Ground Floor | 5% Chrysotile |

A comprehensive list of sampled materials with analytical results is provided as Table 1. A copy of the laboratory data sheets, along with the chain-of-custodies are included in AppendixC.

Asbestos-Containing Material Quantities

| MATERIAL | LOCATION | ESTIMATED QUANTITY |
|---|-----------------------|------------------------------|
| Brown Floor Tile (beneath Plank flooring) | 8th Floor Lunch Area | 1,200 ft ² |
| Ceiling Texture – White Popcorn | Throughout | 105, 000 ft ² |
| Drywall Joint Compound – White | Throughout | 450,000 ft ² |
| 9x9 Floor Tile – Cream w/ Tan & Brown | Unit 222 Entry | 350 ft ² observed |
| Floor Tile – Beige (beneath White & Tan 12"x12" floor tile) | Unit 611 Bathroom | 100 ft ² observed |
| Floor Tile – White w/ Spots | 2nd Floor Common Room | 1,800 ft ² |
| Sink Undercoat – Silver & Black | Office Kitchen | 5 ft ² |
| Floor Tile – Beige (beneath Green 12"x12" floor tile) | Office Kitchen Closet | 50 ft ² observed |
| Foundation Tar – Black | Foundation | 3,000 ft ² |
| Old Door Caulk – Black | Doors to Ground Floor | 2 ft ² |

4.5 Presumed Asbestos-Containing Materials

During completion of the inspection, several materials were identified as potential ACMs, however, due to the destructive nature of sampling required; these materials were not sampled at this time and should be considered as presumed asbestos-containing materials (PACMs) until they can be sampled. The following PACMs were identified during the site inspection.

Presumed Asbestos-Containing Materials Summary

| MATERIAL | LOCATION | ESTIMATED QUANTITY |
|------------------------|---------------------|---------------------------|
| Fire Door & Frame Sets | Throughout Hallways | 40 Sets |
| Roofing Materials | Roof | Not Quantified |
| Bathtub Undercoating | Apartment Bathrooms | 132 Bathtubs |

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the inspection completed at the Subject Property by ASTI on May 16, 2023, ACMs were identified in the Subject Property. A summary of the ACMs identified, along with ASTI's recommendations are as follows:

| MATERIAL | LOCATION | ESTIMATED QUANTITY |
|---|-----------------------|------------------------------|
| Brown Floor Tile (beneath Plank flooring) | 8th Floor Lunch Area | 1,200 ft ² |
| Ceiling Texture – White Popcorn | Throughout | 105, 000 ft ² |
| Drywall Joint Compound – White | Throughout | 450,000 ft ² |
| 9x9 Floor Tile – Cream w/ Tan & Brown | Unit 222 Entry | 350 ft ² observed |
| Floor Tile – Beige | Unit 611 Bathroom | 100 ft ² observed |
| Floor Tile – White w/ Spots | 2nd Floor Common Room | 1,800 ft ² |
| Sink Undercoat – Silver & Black | Office Kitchen | 5 ft ² |
| Floor Tile – Beige (beneath Green 12"x12" floor tile) | Office Kitchen Closet | 50 ft ² observed |
| Foundation Tar – Black | Foundation | 3,000 ft ² |
| Old Door Caulk – Black | Doors to Ground Floor | 2 ft ² |

According to classification guidelines set forth in NESHAP, the flooring samples are classified as Category I non-friable ACMs. These materials in their current condition represent minimal risk of fiber release. If renovation or demolition would disturb these materials, ASTI recommends the ACMs be removed by a licensed abatement contractor prior to disturbance.

According to classification guidelines set forth in NESHAP, the ceiling texture, drywall joint compound, sink undercoat, foundation tar, & old door caulk samples are classified as Category I non-friable ACMs. These materials in their current condition represent minimal risk of fiber release. If renovation or demolition would disturb these materials, ASTI recommends the ACMs be removed by a licensed abatement contractor prior to disturbance.

The glue pods associated with the 1x1 ceiling tile in the 8th floor dining area, and common rooms on floors 3, 6, & 7 samples contained asbestos; however, as the asbestos content is less than 1%, the material is not considered ACM per NESHAP. However, based on the presence of asbestos, 29 CFR 1926.1101 the OSHA Construction Asbestos Standard applies to demolition or renovation activities, which would disturb this material.

Presumed Asbestos-Containing Materials

During completion of the inspection, several materials were identified as potential ACMs, however, due to the destructive nature of sampling required; these materials were not sampled at this time and should be considered as presumed asbestos-containing materials (PACMs) until they can be sampled. The following PACMs were identified during the site inspection.

Presumed Asbestos-Containing Materials Summary

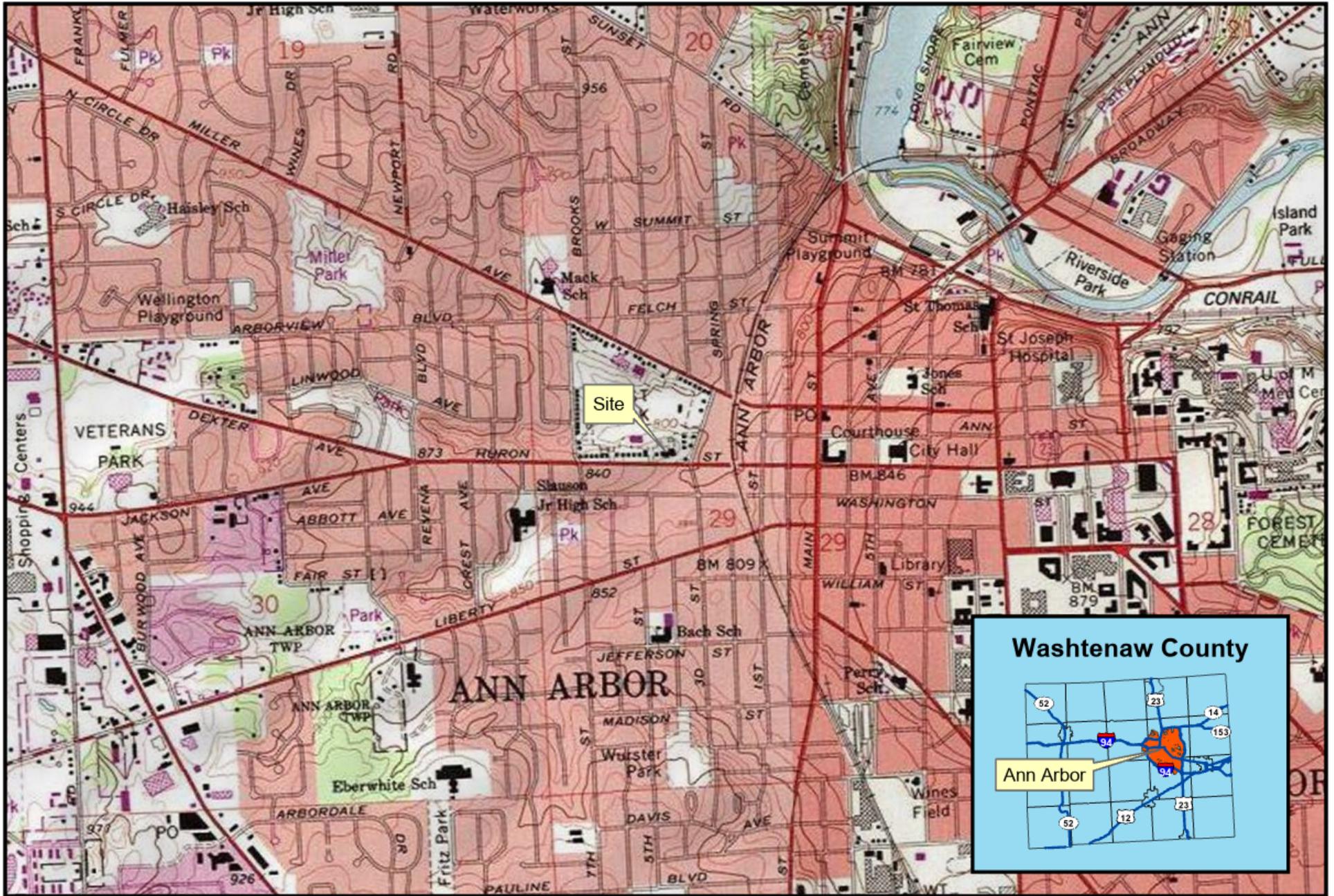
| MATERIAL | LOCATION | ESTIMATED QUANTITY |
|------------------------|---------------------|--------------------|
| Fire Door & Frame Sets | Throughout Hallways | 40 Sets |
| Roofing Materials | Roof | Not Quantified |
| Bathtub Undercoating | Apartment Bathrooms | 132 Bathtubs |

According to classification guidelines set forth in NESHAP, the roofing is classified as a Category I non-friable ACM. The roofing appeared to be in good condition and in its current condition represents minimal risk of fiber release. However, as demolition or renovation would disturb this material; ASTI recommends additional testing of the roofing materials prior to disturbance or assume the roofing is an ACM and be removed by a licensed abatement contractor.

According to classification guidelines set forth in NESHAP, the fire door sets and bathtub undercoating are assumed to contain asbestos and are classified as Category II non-friable ACMs. Until testing of these materials is completed, they should be treated as Category II non-friable ACMs.

Figures

Site Location Map



Lurie Terrace Apartments

600 West Huron Street,
Ann Arbor, MI



Created for: Ann Arbor Affordable Housing Corporation
Created by: RMH, May 31, 2023, ASTI Project 12793

Site Location Map

Tables

- 1 Asbestos Sample Results

Table 1
Asbestos Sample Results
Lurie Terrace Apartments
600 West Huron Street
Ann Arbor, Michigan
ASTI Project No.: 12793

| ASTI Sample ID | Material/Description | Sample Location | Asbestos Result |
|----------------|---------------------------------------|--------------------------|---------------------|
| 1A | Roofing - Black Tar | Roof | NAD |
| | Silver Paint | | NAD |
| 1B | Roofing - Black Tar | Roof | NAD |
| | Silver Paint | | NAD |
| 2A | Roof Flashing - Gray | Roof | NAD |
| 2B | Roof Flashing - Gray | Roof | NAD |
| 3A | 2x2 Ceiling Tile - White w/ Pin Holes | 8th Floor Lunch Area | NAD |
| 3B | 2x2 Ceiling Tile - White w/ Pin Holes | 8th Floor Lunch Area | NAD |
| 4A | 1x1 Ceiling Tile - White | 8th Floor Lunch Area | NAD |
| | Brown Glue | | Trace Chrysotile PC |
| 4B | 1x1 Ceiling Tile - White | 8th Floor Lunch Area | NAD |
| | Brown Glue | | Trace Chrysotile PC |
| 5A | 2x4 Ceiling Tile - White 2x2 Look | 8th Floor Dining Area | NAD |
| 5B | 2x4 Ceiling Tile - White 2x2 Look | 8th Floor Dining Area | NAD |
| 6A | 4" Cove Base - Gray | 8th Floor Office | NAD |
| 6B | 4" Cove Base - Gray | 8th Floor Office | NAD |
| 7A | 4" Cove Base - Brown | 8th Floor Lunch Area | NAD |
| 7B | 4" Cove Base - Brown | 8th Floor Lunch Area | NAD |
| | Glue - Yellow | | NAD |
| 8A | Plank Flooring - Brown Wood Look | 8th Floor Lunch Area | NAD |
| | Glue - Clear | | NAD |
| | Brown Floor Tile | | 10% Chrysotile |
| | Mastic - Black | | NAD |
| 8B | Plank Flooring - Brown Wood Look | 8th Floor Lunch Area | NAD |
| | Glue - Clear | | NAD |
| | Brown Floor Tile | | NA |
| | Mastic - Black | | NAD |
| 9A | 4" Cove Base - Tan | 8th Floor Storage Closet | NAD |
| 9B | 4" Cove Base - Tan | 8th Floor Storage Closet | NAD |
| 10A | Fire Caulk - Red | 8th Floor Storage Closet | NAD |
| 10B | Fire Caulk - Red | 8th Floor Storage Closet | NAD |
| 11A | Ceiling Texture - White Popcorn | 8th Floor Storage Closet | 1.5% Chrysotile PC |
| 11B | Ceiling Texture - White Popcorn | Unit 522 Bathroom | NA |
| 11C | Ceiling Texture - White Popcorn | Unit 123 Living Room | NA |

NA = Not Analyzed
NAD = No Asbestos Detected

Shaded = Positive for asbestos

PC = Point Counted
NOB = Non-Friable Organically Bound

Table 1
Asbestos Sample Results
Lurie Terrace Apartments
600 West Huron Street
Ann Arbor, Michigan
ASTI Project No.: 12793

| ASTI Sample ID | Material/Description | Sample Location | Asbestos Result |
|----------------|--|------------------------------|---------------------------|
| 12A | Linoleum -Tan, Gray & Brown | 8th Floor Restrooms | NAD |
| | Glue - Yellow | | NAD |
| 12B | Linoleum -Tan, Gray & Brown | 8th Floor Restrooms | NAD |
| | Glue - Yellow | | NAD |
| 13A | Vibration Dampener - Black | 8th Floor Heater Room | NAD |
| 13B | Vibration Dampener - Black | 8th Floor Heater Room | NAD |
| 14A | Block Mortar - Gray | 8th Floor Heater Room | NAD |
| 14B | Block Mortar - Gray | 8th Floor Heater Room | NAD |
| 15A | Drywall - White | 8th Floor Heater Room | NAD |
| | Joint Compound - White | | 1.5% Chrysotile PC |
| 15B | Drywall - White | Unit 522 Bathroom | NAD |
| | Joint Compound - White | | NA |
| 16A | Plank Flooring - Brown Faux Wood | Unit 522 Kitchen | NAD |
| 16B | Plank Flooring - Brown Faux Wood | Unit 522 Entry | NAD |
| 17A | 4" Cove Base - Black | Unit 522 Kitchen | NAD |
| 17B | 4" Cove Base - Black | Unit 522 Kitchen | NAD |
| 18A | Kitchen & Bath Caulk - White | Unit 522 Bathroom | NAD |
| 18B | Kitchen & Bath Caulk - White | Unit 522 Kitchen | NAD |
| 19A | Sink Undercoat - White | Unit 522 Kitchen | NAD |
| 19B | Sink Undercoat - White | Unit 522 Kitchen | NAD |
| 20A | Linoleum - 6x6 Squares-Tan, Cream, Gray | Unit 426 Kitchen | NAD |
| 20B | Linoleum - 6x6 Squares-Tan, Cream, Gray | Unit 426 Bathroom | NAD |
| 21A | Window Caulk - White | Unit 426 | NAD |
| 21B | Window Caulk - White | Unit 426 | NAD |
| 22A | Linoleum - Tan, Cream Faux Stone | Unit 305 Kitchen | NAD |
| 22B | Linoleum - Tan, Cream Faux Stone | Unit 305 Bathroom | NAD |
| 23A | Fire Caulk - White | 2nd Floor Electrical Room | NAD |
| 23B | Fire Caulk - White | 2nd Floor Electrical Room | NAD |
| 24A | Tile Grout - White | Unit 225 Bath Surround | NAD |
| 24B | Tile Grout - White | Unit 225 Bath Surround | NAD |
| 25A | 9x9 Floor Tile - Cream w/ Tan & Brown | Unit 222 Entry | 5% Chrysotile |
| | Mastic - Black | | NAD |
| 25B | 9x9 Floor Tile - Cream w/ Tan & Brown | Unit 222 Entry | NA |
| | Mastic - Black | | NAD |

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Table 1
Asbestos Sample Results
Lurie Terrace Apartments
600 West Huron Street
Ann Arbor, Michigan
ASTI Project No.: 12793

| ASTI Sample ID | Material/Description | Sample Location | Asbestos Result |
|----------------|---|-------------------|-----------------|
| 26A | Linoleum - 6x6 Squares - white/Tan Faux Stone | Unit 123 Kitchen | NAD |
| | White Flooring | | NAD |
| 26B | Linoleum - 6x6 Squares - white/Tan Faux Stone | Unit 123 Kitchen | NAD |
| | White Flooring | | NAD |
| 27A | 18x18 Floor Tile - Gray, Tan Faux Stone | Gound Floor Hall | NAD |
| | Glue - Clear | | NAD |
| | Floor Tile - Rust | | NAD |
| 27B | 18x18 Floor Tile - Gray, Tan Faux Stone | Gound Floor Hall | NAD |
| | Glue - Clear | | NAD |
| | Floor Tile - Rust | | NAD |
| 28A | 4" Cove Base - Gray | Ground Floor Hall | NAD |
| | Glue - Yellow | | NAD |
| 28B | 4" Cove Base - Gray | Ground Floor Hall | NAD |
| | Glue - Yellow | | NAD |
| 29A | 2x5 Ceiling Tile - White w/ Pinholes | Ground Floor Hall | NAD |
| 29B | 2x5 Ceiling Tile - White w/ Pinholes | Ground Floor Hall | NAD |
| 30A | Linoleum - 12x12 Squares, Cream & Beige | Unit 702 Kitchen | NAD |
| 30B | Linoleum - 12x12 Squares, Cream & Beige | Unit 702 Kitchen | NAD |
| 31A | Sink Undercoat - Gray | Unit 709 Kitchen | NAD |
| 31B | Sink Undercoat - Gray | Unit 709 Kitchen | NAD |
| 32A | 12x12 Floor Tile - Cream & White | Unit 708 Kitchen | NAD |
| | Glue - Yellow | | NAD |
| 32B | 12x12 Floor Tile - Cream & White | Unit 708 Kitchen | NAD |
| | Glue - Yellow | | NAD |
| 33A | Textured Paint - White | 6th Floor Balcony | NAD |
| 33B | Textured Paint - White | 6th Floor Balcony | NAD |
| 33C | Textured Paint - White | 6th Floor Balcony | NAD |
| 33D | Textured Paint - White | 4th Floor Balcony | NAD |
| 33E | Textured Paint - White | 4th Floor Balcony | NAD |
| 34A | Exterior Window Caulk - Brown | 6th Floor Balcony | NAD |
| 34B | Exterior Window Caulk - Brown | 6th Floor Balcony | NAD |
| 35A | Railing Glue - Tan | 6th Floor Balcony | NAD |
| 35B | Railing Glue - Tan | 6th Floor Balcony | NAD |
| 36A | 4" Plank Flooring - Brown | Unit 607 Bathroom | NAD |
| | Glue - Clear | | NAD |

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Table 1
Asbestos Sample Results
Lurie Terrace Apartments
600 West Huron Street
Ann Arbor, Michigan
ASTI Project No.: 12793

| ASTI Sample ID | Material/Description | Sample Location | Asbestos Result |
|----------------|--|------------------------------|----------------------------|
| 36B | 4" Plank Flooring - Brown | Unit 607 Kitchen | NAD |
| | Glue - Clear | | NAD |
| 37A | 4" Cove Base - White | Unit 607 Bathroom | NAD |
| | Glue - Yellow | | NAD |
| 37B | 4" Cove Base - White | Unit 607 Bathroom | NAD |
| | Glue - Yellow | | NAD |
| 38A | 12x12 Floor Tile - White & Tan | Unit 611 Bathroom | NAD |
| | Glue - Clear | | NAD |
| | Floor Tile - Beige | | 1.75% Chrysotile PC |
| 38B | 12x12 Floor Tile - White & Tan | Unit 611 Bathroom | NAD |
| | Glue - Clear | | NAD |
| | Floor Tile - Beige | | NA |
| | Mastic - Black | | NAD |
| 39A | Brick Mortar - Gray | 5th Floor Balcony | NAD |
| 39B | Brick Mortar - Gray | 5th Floor Balcony | NAD |
| 40A | Carpet Glue - Yellow | 4th Floor Hall | NAD |
| 40B | Carpet Glue - Yellow | 4th Floor Hall | NAD |
| 41A | Sink Undercoat - Black | Unit 307 Kitchen | NAD |
| 41B | Sink Undercoat - Black | Unit 307 Kitchen | NAD |
| 42A | Floor Tile - White w/ Spots | 2nd Floor Common Room | 1.75% Chrysotile PC |
| | Mastic - Black | | NAD |
| 42B | Floor Tile - White w/ Spots | 2nd Floor Common Room | NA |
| | Mastic - Black | | NAD |
| 43A | Linoleum - Cream w/ Beige Diamonds | Unit 121 Kitchen | NAD |
| | Glue - Yellow | | NAD |
| 43B | Linoleum - Cream w/ Beige Diamonds | Unit 121 Kitchen | NAD |
| | Glue - Yellow | | NAD |
| 44A | 2x2 Ceiling Tile - White Orange Peel | 1st Floor Hall | NAD |
| 44B | 2x2 Ceiling Tile - White Orange Peel | 1st Floor Hall | NAD |
| 45A | Floor Tile Grout - Gray | Office Bathroom | NAD |
| 45B | Floor Tile Grout - Gray | Office Bathroom | NAD |
| 46A | Sink Undercoat - Silver & Black | Office Kitchen | 5% Chrysotile |
| 46B | Sink Undercoat - Silver & Black | Office Kitchen | NA |

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Table 1
Asbestos Sample Results
Lurie Terrace Apartments
600 West Huron Street
Ann Arbor, Michigan
ASTI Project No.: 12793

| ASTI Sample ID | Material/Description | Sample Location | Asbestos Result |
|----------------|--------------------------|-----------------------|-----------------|
| 47A | 12x12 Floor Tile - Green | Office Kitchen Closet | NAD |
| | Glue - Clear | | NAD |
| | Floor Tile - Beige | | 5% Chrysotile |
| | Mastic - Black | | NAD |
| 47B | 12x12 Floor Tile - Green | Office Kitchen Closet | NAD |
| | Glue - Clear | | NAD |
| | Floor Tile - Beige | | NA |
| | Mastic - Black | | NAD |
| 48A | Foundation Tar - Black | Foundation East | 5% Chrysotile |
| 48B | Foundation Tar - Black | Foundation East | NA |
| 49A | A/C Caulk - Tan | East Side A/C | NAD |
| 49B | A/C Caulk - Tan | East Side A/C | NAD |
| 50A | Old Door Caulk - Black | Doors to Ground Floor | 5% Chrysotile |
| 50B | Old Door Caulk - Black | Doors to Ground Floor | NA |
| 51A | New Door Caulk - Gray | West Side Door | NAD |
| 51B | New Door Caulk - Gray | West Side Door | NAD |

NA = Not Analyzed
NAD = No Asbestos Detected

Shaded = Positive for asbestos

PC = Point Counted
NOB = Non-Friable Organically Bound

Appendix A

Resumes and Accreditations of Inspectors



JOHN F. SCHUITEMA
Associate II

PROFILE

Certifications

Asbestos Inspector (A51781)
Michigan Lead Inspector/Risk Assessor (P-07409)
ICC Property Maintenance Inspector
ICC Zoning Inspector
40-Hour OSHA HAZWOPER Training
8-Hour OSHA HAZWOPER Refresher

Education

Lead Inspector/Risk Assessor Training
Asbestos Awareness Training
Lead Awareness Training
Asbestos Inspector Training

Experience History

Associate I, ASTI Environmental
Field Technician, ASTI Environmental
Government

Professional Background

Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

6—ASTI ENVIRONMENTAL
3—Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments

Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments, Flint Housing Commission

Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan

Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan

Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan

Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and

sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDITION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan

Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan

Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air stripper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.

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

 **Asbestos Inspector** 

John F. Schuitema
[Redacted]

Accreditation Number **Expiration Date**
A51781 **03/27/2024**

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

Accreditation card is not valid if 2xxxxx **162957**



Lathan Saperstein
Environmental Field Technician

PROFILE

Certifications

Michigan Lead Inspector/Risk Assessor (P-08947)
NRPP Radon Measurement Professional (NRPP# 112408-RMP)
Michigan Asbestos Inspector (A58122)
29 CFR 1910.120 40-Hour OSHA HAZWOPER Training
Indiana Secondary Radon Tester License (RTS 01117)
Indiana Lead Inspector/Risk Assessor (IND001981)
Ohio Radon Tester (RT1776)
Ohio Lead Inspector/Risk Assessor (LA9629)

Education

Wayne State University, B.Sc. Environmental Science
Asbestos Inspector Initial Training
Lead Inspector/Risk Assessor Initial Training
NRPP Multi-Family Measurement Certificate

Experience History

Environmental Field Technician, ASTI Environmental
Research Assistant, Wayne State University, Environmental Radioisotope Laboratory

Professional Background

Lathan Saperstein is a recent addition to ASTI. They have experience in the field performing radon testing, lead based paint inspections, and lead dust sampling. In addition, they have assisted with field sampling of asbestos containing materials and mold testing. At university, they were involved in radio-chronometry research using radon progeny radioisotopes, such as lead-210 / polonium-210 disequilibria, and cosmogenic beryllium-7 fallout.

Years' Experience:

3—ASTI ENVIRONMENTAL
2—Academia

LEAD INSPECTIONS & RISK ASSESSMENTS

Responsible for lead inspections and risk assessments on commercial, multi-family, and single-family properties in Michigan, Ohio, and Indiana.

Multifamily Housing, Detroit, MI

Completed lead risk assessment of rented apartments in compliance with City of Detroit regulations. Utilized dust wipe sampling, soil sampling, XRF technology and visual inspections to identify lead hazards.

Commercial Property, Detroit, MI

Inspected painted surfaces for lead-based paint utilizing XRF technology, conducted wipe sampling to determine of lead dust hazards, and collected water samples to quantify lead in drinking water.

Child Occupied Facilities, Detroit, MI

Completed Lead Hazard Screens of Childcare facilities in accordance with State Regulations. Utilized dust wipe sampling, soil sampling, XRF technology and visual inspections to identify lead hazards based on facility/occupant use patterns.

Clearance Activities, Multifamily Housing, Detroit, MI

Visually inspected completed of Lead Based Paint Abatement activities and utilized dust wipe sampling to verify resident health and safety.

ASBESTOS INSPECTIONS & PRE-DEMOLITION HAZARDOUS MATERIALS EVALUATIONS

Multiple Bridges, Eaton County, MI

Assisted with inspection and sampling of asbestos containing materials prior to renovation work.

Commercial Buildings, Lenawee County, MI

Evaluated structures for hazardous materials and assisted with inspection and sampling of asbestos containing building materials, prior to building demolition.

Single Family Housing, Genesee County, MI

Evaluated multiple structures for hazardous materials and inspected for and sampled suspect asbestos containing building materials, prior to building demolition.

Multifamily Highrise, Detroit, MI

Inspected for and sampled suspect asbestos containing building materials, prior to building renovation and rehabilitation activities.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan

Assisted with outdoor air monitoring and sampling to ensure chemicals of concern and fugitive dust did not leave the property.

INDOOR AIR QUALITY AND MOLD

Office Building, Ann Arbor, MI

Conducted IAQ sampling in a large office building to address concerns of generator exhaust intrusion. Monitored indoor conditions in real time for temperature, relative humidity, carbon dioxide and carbon monoxide

Commercial Property, Detroit, MI

Assisted with Mold investigation of an unoccupied property. Performed visual inspection, tape lift sampling, bulk sampling and utilized moisture readings to evaluate affected substrates.

Negative Exposure Assessment, Benton Harbor, MI

Utilized high volume air sampling pumps and Phase Contrast Microscopy (PCM) to verify resident health and safety during ongoing renovation of buildings with asbestos containing drywall.

RADON TESTING

Responsible for radon testing in Michigan, Ohio, and Indiana.

Apartments, Ferndale, MI

Performed short-term radon testing in accordance with HUD guidelines and the American Association of Radon Scientists and Technologists' (AARST) MAMF-2017 Rev.1-21, Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily Buildings.

Single Family Housing Development, Pontiac, MI

Performed short-term radon testing of multiple single-family homes in accordance with HUD guidelines and the American Association of Radon Scientists and Technologists' (AARST) MAH-2019, Protocol for Conducting Radon and Radon Decay Product Measurements in Homes.

Commercial Building, Detroit, MI

Performed short-term radon testing in accordance with HUD guidelines and the American Association of Radon Scientists and Technologists' (AARST) MALB-2014 Rev.1-21, Protocol for Conducting Radon and Radon Decay Product Measurements in Schools and Large Buildings.

Multifamily Housing, Flint, MI

Performed short-term radon testing in accordance with AARST MAMF 2017 Rev. 1-21 testing to determine mitigation needs and conducted post-mitigation clearance testing to demonstrate mitigation system efficacy.

MICHIGAN DEPARTMENT OF
LABOR AND ECONOMIC OPPORTUNITY

(<http://michigan.gov/miosha>).

Individual Profile for SAPERSTEIN, LATHAN

Name and Address

Name

SAPERSTEIN, LATHAN

Address

9099 ASCOT DRIVE
SUPERIOR TOWNSHIP, MI 48198

License Information

Accreditation Type: Inspector

ID#: A58122

Status: Apprvd - Full

Expiration Date: 9/1/2023

Training Expiration Date: 9/15/2023

 [New Search \(/Individual/IndividualSearch\)](/Individual/IndividualSearch)

[Back to Top](#)

[MI.gov \(http://www.michigan.gov\)](http://www.michigan.gov)

[Asbestos Program - Verify and Search \(/\)](#)

[Asbestos Program \(https://www.michigan.gov/asbestos\)](https://www.michigan.gov/asbestos)

[Policies \(http://www.michigan.gov/policies\)](http://www.michigan.gov/policies)

Appendix B

Prior Asbestos Inspection Reports



September 2, 2020

ORIX Real Estate Capital, LLC
Attn: Mr. Gary Satterfield
10 West Broad Street, 8th Floor
Columbus, Ohio 43215
gary.satterfield@orixrealestatecapital.com

RE: Lurie Terrace Apartments
600 West Huron Street and 3 Parkview Place – Ann Arbor, Michigan
D3G Project #2020-0252
Limited Asbestos Survey Report

Dear Mr. Satterfield,

Dominion Due Diligence Group (D3G) is pleased to provide the results of the limited asbestos survey conducted at the Lurie Terrace Apartments located at 600 West Huron Street and 3 Parkview Place in Ann Arbor, Washtenaw County, Michigan (subject property). The subject property consists of one (1) eight-story (600 West Huron Street) apartment structure containing 132 apartment units and one (1) two-story (3 Parkview Place) age-restricted apartment structure containing 4 apartment units constructed in 1963 and 1950, respectively. D3G was contracted to perform a limited asbestos survey at the subject property in order to comply with HUD requirements. This report was originally issued on July 1, 2020; however, D3G was requested to perform additional analysis on the joint compound samples. The additional analysis is summarized in this updated letter.

Mr. Joseph Laney, a State of Michigan licensed Asbestos Inspector (license #A45331) with Environmental Health & Safety Consultants, LLC, conducted a limited asbestos survey at the subject property on June 15-16, 2020 on behalf of D3G. The survey was conducted in accordance with practices described within the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E 2356-18 (ASTM E 2356-18) for Baseline Surveys. However, since the inspection was prompted by the fact that the facility is involved in a real estate transaction and is not currently planned for renovation or demolition, the inspection was limited to accessible areas of the facility and is not considered to be in full compliance with pre-renovation standards (40 CFR 61 Subpart M). However, all suspect ACMs were identified during the course of the inspection. Sampled materials included drywall/joint compound/tape, ceiling texture materials, ceiling tiles, and wall plaster. An asbestos-containing material is defined as containing greater than 1% asbestos. Samples were analyzed via Polarized Light Microscopy (PLM). Due to the limitations of PLM analysis, any bulk sample result reported to contain trace (less than or equal to 1%) asbestos, including non-friable organically bound (NOB) materials (i.e. floor tiles, covebase, mastics, roofing materials, caulks) reported as non-detect using visual estimation, should be regarded as

inconclusive unless confirmation point count analysis (for trace materials other than NOBs) or Transmission Electron Microscopy (TEM) analysis is performed. A single TEM analysis per homogenous area is adequate for NOB materials. Point counting and TEM analysis was not included within the scope of work; therefore, all trace and NOB materials are considered to be asbestos-containing materials until confirmation analysis proves otherwise. The following table itemizes the sampled materials and their respective asbestos concentrations:

| 600 WEST HURON STREET | | | |
|------------------------------|-----------------------------------|----------------------------|-----------------------------|
| SAMPLE NUMBER | SAMPLED MATERIAL | LOCATION | % ASBESTOS |
| 0252-A-01 (Layer 1) | Drywall | Basement Maint Shop | None Detected |
| 0252-A-01 (Layer 2) | Joint Compound | Basement Maint Shop | 1.8% chrysotile* |
| 0252-A-02 (Layer 1) | Drywall | Unit 417 | None Detected |
| 0252-A-02 (Layer 2) | Drywall Tape | Unit 417 | None Detected |
| 0252-A-02 (Layer 3) | Joint Compound | Unit 417 | 1.3% chrysotile* |
| 0252-A-03 (Layer 1) | Drywall | 8th Fl Corridor | None Detected |
| 0252-A-03 (Layer 2) | Drywall Tape | 8th Fl Corridor | None Detected |
| 0252-A-03 (Layer 3) | Joint Compound | 8th Fl Corridor | 1.8% chrysotile* |
| 0252-A-04 | 2' White Protruded Ceiling Panel | 8th Fl Dining | None Detected |
| 0252-A-05 | 2' White Protruded Ceiling Panel | 8th Fl Dining | None Detected |
| 0252-A-06 | 2' White Protruded Ceiling Panel | 8th Fl Dining | None Detected |
| 0252-A-07 | 2' White Textured Ceiling Panel | 1st Fl Lobby | None Detected |
| 0252-A-08 | 2' White Textured Ceiling Panel | 1st Fl Corridor | None Detected |
| 0252-A-09 | 2' White Textured Ceiling Panel | 1st Fl Corridor | None Detected |
| 0252-A-10 | 2'x4' White Wormed Ceiling Panel | Basement Corridor | None Detected |
| 0252-A-11 | 2'x4' White Wormed Ceiling Panel | 3rd Fl Corridor | None Detected |
| 0252-A-12 | 2'x4' White Wormed Ceiling Panel | 6th Fl Corridor | None Detected |
| 0252-A-13 | Popcorn Ceiling Texture | Unit 307 | 2% chrysotile |
| 0252-A-14 | Popcorn Ceiling Texture | Unit 427 | 2% chrysotile |
| 0252-A-15 | Popcorn Ceiling Texture | Unit 705 | 2% chrysotile |
| 0252-A-16 | Popcorn Ceiling Texture | Unit 820 | None Detected |
| 0252-A-17 | Popcorn Ceiling Texture | Unit 714 | 2% chrysotile |
| 0252-A-18 | Popcorn Ceiling Texture | 4th Activities | < 1% chrysotile** |
| 0252-A-19 | Popcorn Ceiling Texture | 7th Activities | < 1% chrysotile** |
| 0252-A-20 | 2'x4' White Pinhole Ceiling Panel | Basement Corridor | None Detected |
| 0252-A-21 | 2'x4' White Pinhole Ceiling Panel | Basement Corridor | None Detected |
| 0252-A-22 | 2'x4' White Pinhole Ceiling Panel | Basement Corridor | None Detected |

* = analyzed via PLM point count; ** = assumed to be an ACM until further analyzed via point count or TEM



| 3 PARKVIEW PLACE | | | |
|----------------------------|-----------------------|---------------------|------------------------|
| SAMPLE NUMBER | SAMPLED MATERIAL | LOCATION | % ASBESTOS |
| 0252-B-01 (Layer 1) | Skim Coat (Plaster) | Common Stair | None Detected |
| 0252-B-01 (Layer 2) | Base Coat (Plaster) | Common Stair | None Detected |
| 0252-B-02 (Layer 1) | Skim Coat (Plaster) | Common Stair | None Detected |
| 0252-B-02 (Layer 2) | Base Coat (Plaster) | Common Stair | None Detected |
| 0252-B-03 (Layer 1) | Skim Coat (Plaster) - | Common Stair | None Detected |
| 0252-B-03 (Layer 2) | Base Coat (Plaster) | Common Stair | None Detected |
| 0252-B-04 (Layer 1) | Skim Coat (Plaster) | Common Stair | None Detected |
| 0252-B-04 (Layer 2) | Base Coat (Plaster) | Common Stair | None Detected |
| 0252-B-05 (Layer 1) | Skim Coat (Plaster) | Common Stair | None Detected |
| 0252-B-05 (Layer 2) | Base Coat (Plaster) | Common Stair | None Detected |
| 0252-B-06 (Layer 1) | Skim Coat (Plaster) | Common Stair | None Detected |
| 0252-B-06 (Layer 2) | Base Coat (Plaster) | Common Stair | None Detected |
| 0252-B-07 (Layer 1) | Skim Coat (Plaster) | Common Stair | None Detected |
| 0252-B-07 (Layer 2) | Base Coat (Plaster) | Common Stair | None Detected |
| 0252-B-08 (Layer 1) | Drywall | Common Stair | None Detected |
| 0252-B-08 (Layer 2) | Drywall Tape | Common Stair | None Detected |
| 0252-B-08 (Layer 3) | Joint Compound | Common Stair | 1.3% chrysotile |
| 0252-B-09 (Layer 1) | Drywall | Common Stair | None Detected |
| 0252-B-09 (Layer 2) | Drywall Tape | Common Stair | None Detected |
| 0252-B-09 (Layer 3) | Joint Compound | Common Stair | 1.3% chrysotile |
| 0252-B-10 (Layer 1) | Drywall | Common Stair | None Detected |
| 0252-B-10 (Layer 2) | Drywall Tape | Common Stair | None Detected |
| 0252-B-10 (Layer 3) | Joint Compound | Common Stair | 2.0% chrysotile |

* = analyzed via PLM point count

The identified asbestos-containing materials are denoted in bold type. In addition, the following materials were observed but not sampled and are considered to be suspect asbestos-containing materials until appropriate sampling proves otherwise: vinyl flooring and covebase materials and associated mastics, carpet mastics, ceramic tile and grout, cinder block and mortar, brick and mortar, caulking/firestop materials, and roofing materials. The joint compound and textured ceiling materials are considered to be non-friable (not able to be crushed via hand pressure) materials in their current intact conditions and are not considered to present a current concern to residents or maintenance staff. The remaining presumed ACMs are considered to be non-friable materials and were observed to be in good physical condition at the time of the site inspection. It should be noted that a comprehensive asbestos inspection was not performed of the facility. Therefore, additional sampling may be warranted prior to future renovation activities. This asbestos survey was nondestructive in nature, therefore, potential ACMs that are concealed inside walls, roofs, and inaccessible areas, were not sampled.

D3G recommends that the identified and presumed asbestos-containing materials be managed under a site-specific Operations and Maintenance (O&M) Program. In addition,



compliance with 40 CFR 61 Subpart M is recommended prior to any renovation or demolition activities at the subject property.

The asbestos analytical results, inspector notes and inspector credentials are attached to this letter.

If you have further questions upon review of this letter, please contact me at (804) 237-1882.

Sincerely,

A handwritten signature in blue ink that reads "Kimberly Dingle". The signature is written in a cursive, flowing style.

Kimberly L. Dingle
Hazardous Materials Manager/Environmental Professional





PLM Bulk Asbestos Report

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive

Midlothian, VA 23113

Date Received 06/18/20 **AmeriSci Job #** 120061771
Date Examined 06/21/20 **P.O. #**
Page 1 of 5
RE: 2020-0252 T2; Lurie Terrace Apartments; 600 West Huron
Street, Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|----------------|------------------|--|
| 0252-A-01 Location: Gyp/Tape/Mud; Basement Maint Shop Analyst Description: Brown/White, Homogeneous, Non-Fibrous, Drywall Asbestos Types: Other Material: Cellulose 7 %, Non-fibrous 93 % Comment: No Tape in Sample, Drywall and Joint Compound only. | 120061771-01.1 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-01 Location: Gyp/Tape/Mud; Basement Maint Shop Analyst Description: Off White, Homogeneous, Non-Fibrous, Joint Compound Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 % | 120061771-01.2 | Yes | Trace (<1 %) (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-02 Location: Gyp/Tape/Mud; Unit 417 Analyst Description: Brown/White, Homogeneous, Non-Fibrous, Drywall Asbestos Types: Other Material: Cellulose 7 %, Non-fibrous 93 % | 120061771-02.1 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-02 Location: Gyp/Tape/Mud; Unit 417 Analyst Description: Lt. Brown, Homogeneous, Fibrous, Tape Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 % | 120061771-02.2 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-02 Location: Gyp/Tape/Mud; Unit 417 Analyst Description: Off White, Homogeneous, Non-Fibrous, Joint Compound Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 % | 120061771-02.3 | Yes | Trace (<1 %) (by CVES) by Gordon T. Saleeby on 06/21/20 |

Client Name: Dominion Due Diligence Group

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 600 West Huron Street, Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|----------------|------------------|--|
| 0252-A-03 Location: Gyp/Tape/Mud; 8th Flr Corridor | 120061771-03.1 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: Brown/White, Homogeneous, Non-Fibrous, Drywall Asbestos Types: Other Material: Cellulose 7 %, Non-fibrous 93 % | | | |
| 0252-A-03 Location: Gyp/Tape/Mud; 8th Flr Corridor | 120061771-03.2 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: Lt. Brown, Homogeneous, Fibrous, Tape Asbestos Types: Other Material: Cellulose 95 %, Non-fibrous 5 % | | | |
| 0252-A-03 Location: Gyp/Tape/Mud; 8th Flr Corridor | 120061771-03.3 | Yes | Trace (<1 %) (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: Lt. Tan, Heterogeneous, Non-Fibrous, Joint Compound Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 % | | | |
| 0252-A-04 Location: 2' Wht Protruded Ceiling Panel; 8th Flr Dining | 120061771-04 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 40 %, Fibrous glass 30 %, Non-fibrous 30 % | | | |
| 0252-A-05 Location: 2' Wht Protruded Ceiling Panel; 8th Flr Dining | 120061771-05 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 40 %, Fibrous glass 30 %, Non-fibrous 30 % | | | |
| 0252-A-06 Location: 2' Wht Protruded Ceiling Panel; 8th Flr Dining | 120061771-06 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 40 %, Fibrous glass 30 %, Non-fibrous 30 % | | | |

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 600 West Huron Street, Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|--------------|------------------|---|
| 0252-A-07 Location: 2' Wht Textured Ceiling Panel; 1st Flr Lobby Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 % | 120061771-07 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-08 Location: 2' Wht Textured Ceiling Panel; 1st Flr Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 % | 120061771-08 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-09 Location: 2' Wht Textured Ceiling Panel; 1st Flr Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 40 %, Non-fibrous 30 % | 120061771-09 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-10 Location: 2'x4' Wht Wormed Ceiling Panel; Bsmt Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 40 %, Fibrous glass 20 %, Non-fibrous 40 % | 120061771-10 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-11 Location: 2'x4' Wht Wormed Ceiling Panel; 3rd Flr Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 40 %, Fibrous glass 20 %, Non-fibrous 40 % | 120061771-11 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-12 Location: 2'x4' Wht Wormed Ceiling Panel; 6th Flr Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 40 %, Fibrous glass 20 %, Non-fibrous 40 % | 120061771-12 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 600 West Huron Street, Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|--------------|------------------|--|
| 0252-A-13 Location: Wht Popcorn Ceiling Texture; Unit 307 | 120061771-13 | Yes | 2 % (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile 2.0 % | | | |
| Other Material: Non-fibrous 98 % | | | |
| 0252-A-14 Location: Wht Popcorn Ceiling Texture; Unit 427 | 120061771-14 | Yes | 2 % (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile 2.0 % | | | |
| Other Material: Non-fibrous 98 % | | | |
| 0252-A-15 Location: Wht Popcorn Ceiling Texture; Unit 705 | 120061771-15 | Yes | 2 % (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile 2.0 % | | | |
| Other Material: Non-fibrous 98 % | | | |
| 0252-A-16 Location: Wht Popcorn Ceiling Texture; Unit 820 | 120061771-16 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: White, Homogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 0252-A-17 Location: Wht Popcorn Ceiling Texture; Unit 714 | 120061771-17 | Yes | 2 % (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: Off White, Homogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile 2.0 % | | | |
| Other Material: Non-fibrous 98 % | | | |
| 0252-A-18 Location: Wht Popcorn Ceiling Texture; 4th Activities | 120061771-18 | Yes | Trace (<1 %) (by CVES) by Gordon T. Saleeby on 06/21/20 |
| Analyst Description: Off White, Homogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile <1. % | | | |
| Other Material: Non-fibrous 100 % | | | |

Client Name: Dominion Due Diligence Group

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 600 West Huron Street, Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|--------------|------------------|---|
| 0252-A-19 Location: Wht Popcorn Ceiling Texture; 7th Activities Analyst Description: Off White, Homogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile <1. % Other Material: Non-fibrous 100 % | 120061771-19 | Yes | Trace (<1 %) (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-20 Location: 2'x4' Wht Pinhole Ceiling Panel; Bsmt Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 50 %, Non-fibrous 20 % | 120061771-20 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-21 Location: 2'x4' Wht Pinhole Ceiling Panel; Bsmt Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 50 %, Non-fibrous 20 % | 120061771-21 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |
| 0252-A-22 Location: 2'x4' Wht Pinhole Ceiling Panel; Bsmt Corridor Analyst Description: White/Beige, Homogeneous, Fibrous, Bulk Material Asbestos Types: Other Material: Cellulose 30 %, Fibrous glass 50 %, Non-fibrous 20 % | 120061771-22 | No | NAD (by CVES) by Gordon T. Saleeby on 06/21/20 |

Reporting Notes:

Analyzed by: Gordon T. Saleeby  Date: 6/21/2020 Reviewed by: 

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST 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.

120061771

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Lurie Terrace Apartments
ADDRESS: 600 West Huron Street, Ann Arbor, MI
DATE: 6.17.2020
CLIENT: D3

PERSONNEL: Joseph Laney
PROJECT #: 2020-0252 T2
LABORATORY: AmeriSci
TAT: 3-day
TYPE OF ANALYSIS: PLM

PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

| HOMOGENOUS AREA | SAMPLE # | MATERIAL DESCRIPTION | LOCATION | QUANTITY/FRIABILITY |
|-----------------|----------|---------------------------------|---------------------------------|---------------------|
| 01, 02, 03 | 0252-A01 | Gyp/Type/Mud | Basement ^{Maint. Shop} | |
| 1 | 02 | | Unit 417 | |
| | 03 | | 8 th Flr Corridor | |
| 04 | 04 | 2' Wht Protruded Ceiling Panel | 8 th Flr Dining | |
| 1 | 05 | | | |
| | 06 | | | |
| 05 | 07 | 2' Wht Textured Ceiling Panel | 1 st Flr Lobby | |
| 1 | 08 | | 1 st Flr Corridor | |
| | 09 | | | |
| 06 | 10 | 2'x4' Wht Worned Ceiling Panel | BSMT Corridor | |
| 1 | 11 | 2'x4' Wht Worned Ceiling Panel | 3 rd Flr Corridor | |
| | 12 | | 6 th Flr Corridor | |
| 07 | 13 | Wht Popcorn Ceiling Texture | Unit 307 | |
| | 14 | | 427 | |
| | 15 | | 705 | |
| | 16 | | 820 | |
| | 17 | | 714 | |
| | 18 | | 4 th Activities | |
| | 19 | | 7 th Activities | |
| 08 | 20 | 2'x4' Wht Pinhole Ceiling Panel | BSMT Corridor | |
| 1 | 21 | | | |
| | 22 | | | |

SUBMITTED BY: Joseph A. Laney **DATE SUBMITTED:** 6.17.2020 **SIGNATURE:** 

RECEIVED BY: _____ **DATE RECEIVED:** _____ **SIGNATURE:** _____

DOMINION DUE DILIGENCE GROUP RECEIVED
 201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 318-0020
 By PMC



AmeriSci Richmond

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Dominion Due Diligence Group
Attn: Kim Dingleline
201 Wylderose Drive

Midlothian, VA 23113

Date Received 08/28/20 **AmeriSci Job #** 120082076
Date Examined 09/02/20 **P.O. #**
Page 1 of 1
RE: 2020-0252 T2; Lurie Terrace Apartments; 600 West Huron
Street, Ann Arbor, MI (Ref: 120-06-1771)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|--------------|------------------|---|
| 0252-A01 Location: Gyp/Tape/Mud; Basement Maint Shop | 120082076-01 | Yes | 1.8 % pc (by 400 pt ct) by Gordon T. Saleeby on 09/02/20 |
| Analyst Description: Off-White, Heterogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile 1.8 % | | | |
| Other Material: , Non-fibrous 98.3 % | | | |
| 0252-A02 Location: Gyp/Tape/Mud; Unit 417 | 120082076-02 | Yes | 1.3 % pc (by 400 pt ct) by Gordon T. Saleeby on 09/02/20 |
| Analyst Description: Off-White, Heterogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile 1.3 % | | | |
| Other Material: , Non-fibrous 98.8 % | | | |
| 0252-A03 Location: Gyp/Tape/Mud; 8th flr Corridor | 120082076-03 | Yes | 1.8 % pc (by 400 pt ct) by Gordon T. Saleeby on 09/02/20 |
| Analyst Description: Off-White, Heterogeneous, Non-Fibrous, Bulk Material | | | |
| Asbestos Types: Chrysotile 1.8 % | | | |
| Other Material: , Non-fibrous 98.3 % | | | |

Reporting Notes:

Analyzed by: Gordon T. Saleeby
Date: 9/2/2020

Reviewed by: Gordon T. Saleeby

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #237649, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST 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.

Subject: RE: Samples for 120061771 and 120061772
From: Kim Dingledine <k.dingledine@d3g.com>
Date: 8/28/2020, 4:57 PM
To: AmeriSci VA <vareults@amerisci.com>
CC: "bkeith@amerisci.com" <bkeith@amerisci.com>

Great!! If you can run a point count on the following samples whenever you can get to it (5 day?) that would be great. Here are the sample numbers:

120061771-01.2

 120061771-02.3

120061771-03.3

120061772-08.3

120061772-09.3

120061772-10.3



Kim Dingledine,
Hazardous Materials Manager, Dominion Due Diligence Group

O: (804) 339-1187 | F: (804) 897-6404

E: k.dingledine@d3g.com

A: 201 Wylderose Drive Midlothian, Va. 23113



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Celebrating 25 years of supporting workforce housing development and affordable housing preservation across the country. Click our logo to learn more about the services we offer.

From: AmeriSci VA <vareults@amerisci.com>
Sent: Friday, August 28, 2020 2:05 PM
To: Kim Dingledine <k.dingledine@d3g.com>
Cc: bkeith@amerisci.com
Subject: Re: Samples for 120061771 and 120061772

Hello Kim

Per Jean, we have them for the next 4 days.

Angel

On 8/28/2020 12:43 PM, Kim Dingledine wrote:

120082076

Can you tell me if you still have samples associated with Amerisci Job #120061771 and 120061772?
Client is asking about point counting some results but didn't know if you still had the samples.



Kim Dingledine,
Hazardous Materials Manager, Dominion Due Diligence Group

O: (804) 339-1187 | F: (804) 897-6404

E: k.dingledine@d3g.com

A: 201 Wylderose Drive Midlothian, Va. 23113



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If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US postal Service at our expense. Samples are disposed of in 60 days unless otherwise instructed by the protocol or special instructions in writing.

Thank you for your business.

~~120061771~~

120082076

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Lurie Terrace Apartments
ADDRESS: 600 West Huron Street ~~Ann Arbor, MI~~
DATE: 6.17.2020
CLIENT: D3

PERSONNEL: Joseph Laney
PROJECT #: 2020-0252 T2
LABORATORY: AmeriSci
TAT: 3-day

PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

TYPE OF ANALYSIS: PLM

| HOMOGENOUS AREA | SAMPLE # | MATERIAL DESCRIPTION | LOCATION | QUANTITY/FRIABILITY |
|-----------------|----------|---------------------------------|---------------------------------|---------------------|
| 01, 02, 03 | 0252-A01 | Gyp/Type/Mud | Basement ^{Maint. Shop} | |
| 1 | 02 | | Unit 417 | |
| | 03 | | 8 th Flr Corridor | |
| 04 | 04 | 2' Wht Protruded Ceiling Panel | 8 th Flr Dining | |
| 1 | 05 | | | |
| | 06 | | | |
| 05 | 07 | 2' Wht Textured Ceiling Panel | 1 st Flr Lobby | |
| 1 | 08 | | 1 st Flr Corridor | |
| | 09 | | | |
| 06 | 10 | 2'x4' Wht Worned Ceiling Panel | BSMT Corridor | |
| 1 | 11 | 2'x4' Wht Worned Ceiling Panel | 3 rd Flr Corridor | |
| | 12 | | 6 th Flr Corridor | |
| 07 | 13 | Wht Popcorn Ceiling Texture | Unit 307 | |
| 1 | 14 | | 427 | |
| | 15 | | 705 | |
| | 16 | | 820 | |
| | 17 | | 714 | |
| 1 | 18 | | 4 th Activities | |
| | 19 | | 7 th Activities | |
| 08 | 20 | 2'x4' Wht Pinhole Ceiling Panel | BSMT Corridor | |
| 1 | 21 | | | |
| | 22 | | | |

RECEIVED
 AUG 28 2020
 BY AM

SUBMITTED BY: Joseph A. Laney **DATE SUBMITTED:** 6.17.2020 **SIGNATURE:** [Signature]
RECEIVED BY: _____ **DATE RECEIVED:** _____ **SIGNATURE:** _____

DOMINION DUE DILIGENCE GROUP

201 Wylderose Drive • MIDLOTHIAN • VIRGINIA 23113 • PHONE: (804) 358-2020 • FAX: (804) 311-3020

By AM

ASBESTOS-CONTAINING MATERIALS SURVEY FORM

SITE: Lurie Terrace Apartments
ADDRESS: 600 West Huron Street- Ann Arbor, MI
DATE: 6/15-16/20

INSPECTOR NAME: Joseph Laney
INSPECTOR LICENSE #: A-49331
D3G PROJECT #: 2020-252 T2

| HOMOGENOUS AREA/MATERIAL DESCRIPTION | LOCATIONS OBSERVED | SAMPLE # | QUANTITY OBSERVED | OBSERVED CONDITION | FRIABILITY | NOB MATERIAL? |
|---|---|--|--|---|---|------------------|
| <i>(i.e. 12"x12" brown floor tile, ceiling texture, roofing shingles, caulking materials)</i> | <i>(i.e. Unit 101 - throughout observed unit interiors, or mechanical closets, etc.)</i> | <i>(from COC or list as Presumed if not sampled)</i> | <i>(i.e. # of elbows, throughout interior, kitchens, etc.)</i> | <i>Note any areas of damage observed by inspector</i> | <i>Friable/non-friable/encapsulated</i> | <i>Yes or No</i> |
| Gyp/Tape/Mud | Throughout | A-01, A-02, A-03 | ~450,000 SF | Good | NF | N |
| 2' White Protruded Ceiling Panel | 8 th Floor Dining Hall | A-04, A-05, A-06 | ~3,100 SF | Good | F | N |
| 2' White Textured Ceiling Panel | 1 st Floor Commons | A-07, A-08, A-09 | ~1,200 SF | Good | F | N |
| 2'x4' White Wormed Ceiling Panel | Commons in Basement, 2 nd Floor Corridor, 3 rd Floor Corridor, 4 th Floor Corridor, 5 th Floor Corridor, 6 th Floor Corridor, 7 th Floor Corridor, 8 th Floor Corridor | A-10, A-11, A-12 | ~8,400 SF | Good | F | N |
| White Popcorn Ceiling Texture | Units, & Activity Rooms | A-13, A-14, A-15, A-16, A- | ~105,000 SF | Good | NF | N |

DOMINION DUE DILIGENCE GROUP

201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

ASBESTOS-CONTAINING MATERIALS SURVEY FORM

SITE: Lurie Terrace Apartments
ADDRESS: 600 West Huron Street- Ann Arbor, MI
DATE: 6/15-16/20

INSPECTOR NAME: Joseph Laney
INSPECTOR LICENSE #: A-49331
D3G PROJECT #: 2020-252 T2

| | | | | | | |
|--|---------------------------|--------------------|------------|------|----|---|
| | | 17, A-18, A-19 | | | | |
| 2'x4' White Pinhole Ceiling Panel | Basement Corridor | A-20, A21, A-22 | ~100 SF | Good | F | N |
| Patterned Vinyl Sheet Floor & Adhesive | Unit Kitchens, Unit Baths | | ~18,000 SF | Good | NF | Y |
| Vinyl Baseboard & Adhesive | Unit Kitchens, Unit Baths | | ~7,300 SF | Good | NF | Y |
| Ceramic Wall & Grout | Unit Kitchens, Unit Baths | | ~3,800 SF | Good | NF | N |
| Carpet Glue | Common Corridors | | ~9,600 SF | Good | NF | Y |
| CMU Walls Cinderblock & Mortar | Basement | | ~17,500 SF | Good | NF | N |
| Red Firestop | Basement | | ~100 SF | Good | NF | Y |
| Brick & Mortar | Exterior | | ~60,000 SF | Good | NF | N |
| Membrane Roof | Exterior Roof | | ~9,400 SF | Good | NF | N |
| | | | | | | |
| | | | | | | |
| | | | | | | |

DOMINION DUE DILIGENCE GROUP

ASBESTOS-CONTAINING MATERIALS SURVEY FORM

SITE: Lurie Terrace Apartments
ADDRESS: 600 West Huron Street- Ann Arbor, MI
DATE: 6/15-16/20

INSPECTOR NAME: Joseph Laney
INSPECTOR LICENSE #: A-49331
D3G PROJECT #: 2020-252 T2

FACILITY NOTES (i.e. list units inspected, interviewed persons, known dates of renovations, construction, fires, etc.):

DOMINION DUE DILIGENCE GROUP



PLM Bulk Asbestos Report

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive

Midlothian, VA 23113

Date Received 06/18/20 **AmeriSci Job #** 120061772
Date Examined 06/19/20 **P.O. #**
Page 1 **of** 5
**RE: 2020-0252 T2; Lurie Terrace Apartments; 3 Parkview Place -
Ann Arbor, MI**

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|----------------|------------------|--|
| 0252-B-01 Location: Plaster Thin Coat; Common Stair Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | 120061772-01.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| 0252-B-01 Location: Plaster Thin Coat; Common Stair Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 % | 120061772-01.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| 0252-B-02 Location: Plaster Thin Coat; Common Stair Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | 120061772-02.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| 0252-B-02 Location: Plaster Thin Coat; Common Stair Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) Asbestos Types: Other Material: Cellulose Trace, Non-fibrous 100 % | 120061772-02.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| 0252-B-03 Location: Plaster Thin Coat; Common Stair Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) Asbestos Types: Other Material: Non-fibrous 100 % | 120061772-03.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 3 Parkview Place -
Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|----------------|------------------|--|
| 0252-B-03 Location: Plaster Thin Coat; Common Stair | 120061772-03.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose Trace, Non-fibrous 100 % | | | |
| 0252-B-04 Location: Plaster Thin Coat; Common Stair | 120061772-04.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 0252-B-04 Location: Plaster Thin Coat; Common Stair | 120061772-04.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose Trace, Non-fibrous 100 % | | | |
| 0252-B-05 Location: Plaster Thin Coat; Common Stair | 120061772-05.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 0252-B-05 Location: Plaster Thin Coat; Common Stair | 120061772-05.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose Trace, Non-fibrous 100 % | | | |
| 0252-B-06 Location: Plaster Thin Coat; Common Stair | 120061772-06.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 3 Parkview Place -
Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|----------------|------------------|--|
| 0252-B-06 Location: Plaster Thin Coat; Common Stair | 120061772-06.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose Trace, Non-fibrous 100 % | | | |
| 0252-B-07 Location: Plaster Thin Coat; Common Stair | 120061772-07.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Non-fibrous 100 % | | | |
| 0252-B-07 Location: Plaster Thin Coat; Common Stair | 120061772-07.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Base Coat (Plaster) | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose Trace, Non-fibrous 100 % | | | |
| 0252-B-08 Location: Gyp/Tape/Mud; Common Stair | 120061772-08.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Gypsum Board | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose 2 %, Non-fibrous 98 % | | | |
| 0252-B-08 Location: Gyp/Tape/Mud; Common Stair | 120061772-08.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Tan, Heterogeneous, Non-Fibrous, Tape | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose 99 %, Non-fibrous 1 % | | | |
| 0252-B-08 Location: Gyp/Tape/Mud; Common Stair | 120061772-08.3 | Yes | 2 % (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Cream, Heterogeneous, Non-Fibrous, Mud | | | |
| Asbestos Types: Chrysotile 2.0 % | | | |
| Other Material: Non-fibrous 98 % | | | |

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 3 Parkview Place -
Ann Arbor, MI

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|--|----------------|------------------|--|
| 0252-B-09 Location: Gyp/Tape/Mud; Common Stair | 120061772-09.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Gypsum Board | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose Trace, Non-fibrous 100 % | | | |
| 0252-B-09 Location: Gyp/Tape/Mud; Common Stair | 120061772-09.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Tan, Heterogeneous, Non-Fibrous, Tape | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose 99 %, Non-fibrous 1 % | | | |
| 0252-B-09 Location: Gyp/Tape/Mud; Common Stair | 120061772-09.3 | Yes | 2 % (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Cream, Heterogeneous, Non-Fibrous, Mud | | | |
| Asbestos Types: Chrysotile 2.0 % | | | |
| Other Material: Non-fibrous 98 % | | | |
| 0252-B-10 Location: Gyp/Tape/Mud; Common Stair | 120061772-10.1 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Beige/Gray, Heterogeneous, Non-Fibrous, Gypsum Board | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose Trace, Non-fibrous 100 % | | | |
| 0252-B-10 Location: Gyp/Tape/Mud; Common Stair | 120061772-10.2 | No | NAD (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Tan, Heterogeneous, Non-Fibrous, Tape | | | |
| Asbestos Types: | | | |
| Other Material: Cellulose 99 %, Non-fibrous 1 % | | | |
| 0252-B-10 Location: Gyp/Tape/Mud; Common Stair | 120061772-10.3 | Yes | 2 % (by CVES) by Beverly A. Schrage on 06/19/20 |
| Analyst Description: Cream, Heterogeneous, Non-Fibrous, Mud | | | |
| Asbestos Types: Chrysotile 2.0 % | | | |
| Other Material: Non-fibrous 98 % | | | |

Client Name: Dominion Due Diligence Group

PLM Bulk Asbestos Report

2020-0252 T2; Lurie Terrace Apartments; 3 Parkview Place -
Ann Arbor, MI

Reporting Notes:

Analyzed by: Beverly A. Schrage BAS Date: 6/19/2020 Reviewed by: BAS

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST 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.



AmeriSci Richmond

13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-1800

PLM Bulk Asbestos Report

Dominion Due Diligence Group
Attn: Kim Dingleline
201 Wylderose Drive

Midlothian, VA 23113

Date Received 08/28/20 **AmeriSci Job #** 120082077
Date Examined 09/02/20 **P.O. #**
Page 1 of 1
RE: 2020-0252 T2; Lurie Terrace Apartments; 3 Parkview Place -
Ann Arbor, MI (Ref; 120-06-1772)

| Client No. / HGA | Lab No. | Asbestos Present | Total % Asbestos |
|---|--------------|------------------|---|
| 0252-B08 Location: Gyp/Tape/Mud; Common Stair Analyst Description: Cream, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 1.3 % Other Material: , Non-fibrous 98.8 % | 120082077-01 | Yes | 1.3 % pc (by 400 pt ct) by Gordon T. Saleeby on 09/02/20 |
| 0252-B09 Location: Gyp/Tape/Mud; Common Stair Analyst Description: Cream, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 1.3 % Other Material: , Non-fibrous 98.8 % | 120082077-02 | Yes | 1.3 % pc (by 400 pt ct) by Gordon T. Saleeby on 09/02/20 |
| 0252-B10 Location: Gyp/Tape/Mud; Common Stair Analyst Description: Cream, Heterogeneous, Non-Fibrous, Bulk Material Asbestos Types: Chrysotile 2.0 % Other Material: , Non-fibrous 98 % | 120082077-03 | Yes | 2 % pc (by 400 pt ct) by Gordon T. Saleeby on 09/02/20 |

Reporting Notes:

Analyzed by: Gordon T. Saleeby
Date: 9/2/2020

Reviewed by: Gordon T. Saleeby

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #237649, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST 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.

Subject: RE: Samples for 120061771 and 120061772
From: Kim Dingledine <k.dingledine@d3g.com>
Date: 8/28/2020, 4:57 PM
To: AmeriSci VA <vareults@amerisci.com>
CC: "bkeith@amerisci.com" <bkeith@amerisci.com>

Great!! If you can run a point count on the following samples whenever you can get to it (5 day?) that would be great. Here are the sample numbers:

120061771-01.2
120061771-02.3
120061771-03.3

120061772-08.3
120061772-09.3
120061772-10.3



Kim Dingledine,
Hazardous Materials Manager, Dominion Due Diligence Group

O: (804) 339-1187 | F: (804) 897-6404
E: k.dingledine@d3g.com
A: 201 Wylderose Drive Midlothian, Va. 23113



This message contains confidential information and is intended only for the intended recipients. If you are not an intended recipient you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version.

Celebrating 25 years of supporting workforce housing development and affordable housing preservation across the country. Click our logo to learn more about the services we offer.

From: AmeriSci VA <vareults@amerisci.com>
Sent: Friday, August 28, 2020 2:05 PM
To: Kim Dingledine <k.dingledine@d3g.com>
Cc: bkeith@amerisci.com
Subject: Re: Samples for 120061771 and 120061772

Hello Kim

Per Jean, we have them for the next 4 days.

Angel

On 8/28/2020 12:43 PM, Kim Dingledine wrote:

120082077

Can you tell me if you still have samples associated with Amerisci Job #120061771 and 120061772?
Client is asking about point counting some results but didn't know if you still had the samples.



Kim Dingledine,
Hazardous Materials Manager, Dominion Due Diligence Group

O: (804) 339-1187 | F: (804) 897-6404

E: k.dingledine@d3g.com

A: [201 Wylderose Drive Midlothian, Va. 23113](#)



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Celebrating 25 years of supporting workforce housing development and affordable housing preservation across the country. Click our logo to learn more about the services we offer.

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Confidentiality Notice: Unless otherwise indicated, the information contained in this communication is confidential information for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US postal Service at our expense. Samples are disposed of in 60 days unless otherwise instructed by the protocol or special instructions in writing.

Thank you for your business.

ASBESTOS-CONTAINING MATERIALS SURVEY FORM

SITE: Lurie Terrace Apartments
ADDRESS: 3 Parkview Place – Ann Arbor, MI
DATE: 6/15/20

INSPECTOR NAME: Joseph Laney
INSPECTOR LICENSE #: A-49331
D3G PROJECT #: 2020-252 T2

| HOMOGENOUS AREA/MATERIAL DESCRIPTION | LOCATIONS OBSERVED | SAMPLE # | QUANTITY OBSERVED | OBSERVED CONDITION | FRIABILITY | NOB MATERIAL? |
|---|--|--|--|---|---|------------------|
| <i>(i.e. 12"x12" brown floor tile, ceiling texture, roofing shingles, caulking materials)</i> | <i>(i.e. Unit 101 – throughout observed unit interiors, or mechanical closets, etc.)</i> | <i>(from COC or list as Presumed if not sampled)</i> | <i>(i.e. # of elbows, throughout interior, kitchens, etc.)</i> | <i>Note any areas of damage observed by inspector</i> | <i>Friable/non-friable/encapsulated</i> | <i>Yes or No</i> |
| Gyp/Tape/Mud | Throughout | B-08, B-09, B-10 | 16,000 SF | Good | NF | N |
| Plaster | Throughout | B-01, B-02, B-03, B-04, B-05, B-06 B-07 | 16,000 SF | Good | NF | N |
| 4" Ceramic & Grout | Unit Baths | | 1,200 SF | Good | NF | N |
| 1" Ceramic & Grout | Unit Baths | | 250 SF | Good | NF | N |
| Ceramic Baseboard | Unit Baths | | 60 SF | Good | NF | N |
| Patterned Vinyl Sheet Floor & Adhesive | Unit Kitchens | | 350 SF | Good | NF | Y |
| Vinyl Baseboard & Adhesive | Unit Kitchens | | 40 SF | Good | NF | Y |
| Baseboard Glue | Unit Living Rooms, & | | 120 SF | Good | NF | Y |

DOMINION DUE DILIGENCE GROUP

ASBESTOS-CONTAINING MATERIALS SURVEY FORM

SITE: Lurie Terrace Apartments
ADDRESS: 3 Parkview Place – Ann Arbor, MI
DATE: 6/15/20

INSPECTOR NAME: Joseph Laney
INSPECTOR LICENSE #: A-49331
D3G PROJECT #: 2020-252 T2

| | | | | | |
|----------------|---------------------|--|----------|------|----|
| | Bedrooms | | | | |
| Cinderblock | Basement & Exterior | | 900 SF | Good | NF |
| Brick & Mortar | Exterior | | 2,400 SF | Good | NF |
| Roof Shingles | Exterior | | 1,250 SF | Good | NF |
| | | | | | |
| | | | | | |
| | | | | | |

FACILITY NOTES (i.e. list units inspected, interviewed persons, known dates of renovations, construction, fires, etc.):

Where sampled, Drywall was observed underneath a thin coat of plaster.

DOMINION DUE DILIGENCE GROUP

201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

State of Michigan
 Department of Economic and Regulatory Affairs
 Michigan Occupational Safety & Health Administration - Asbestos Program





Asbestos Inspector

Joseph A. Laney
 403 North Fairview Avenue
 Mount Prospect, IL 60056

| | |
|---------------------------------------|--------------------------------------|
| Accreditation Number A45331 | Expiration Date 08/03/2020 |
|---------------------------------------|--------------------------------------|

DOB: 01/15/1986

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1996 as amended to be accredited as an Asbestos Inspector.

ACCREDITATION UNIT NO. 142220

ANN ARBOR HOUSING COMMISSION

PARTIAL LEAD & ASBESTOS SAMPLING REPORT

FOR

LURIE TERRACE APARTMENTS

May 20, 2020



Ann Arbor Housing Commission

Partial Lead & Asbestos Sampling Report For Lurie Terrace Apartments

Background:

On May 13, 2020, Nova Environmental, Inc. was contacted by Mr. Tim Olivier of Ann Arbor Housing Commission. He indicated that the Commission would like Nova Environmental, Inc. to conduct partial lead-based paint testing and asbestos testing on walls within three apartments and representative common areas at Lurie Terrace Apartments.

This testing was scheduled for May 20, 2020.

On-Site Activities:

On May 20, 2020, an environmental consultant with Nova Environmental, Inc. met Mr. Peter Dietrich of Lurie Terrace Apartments on-site. It was determined that the sampling would be performed in three unoccupied apartments, apartment 209, apartment 320 and apartment 714. Common area testing for lead-based paint was performed on the 2nd floor, 3rd floor and 7th floor hallways.

Lead-Based Paint Results:

Representative sampling for lead-based paint on walls was performed in the spaces identified above using a portable X-Ray Fluorescence (XFR) Analyzer. A total of 87 readings (excluding calibration tests) were performed within the applicable apartments and common areas. All readings were negative for lead-based paint, (see attached lead testing information for details).

Asbestos Sampling Results:

Representative sampling for asbestos in walls was performed in each of the above noted apartments. A sample of drywall, drywall mud (joint compound) and drywall tape were collected from each of the three applicable apartments. An additional sample of the concrete popcorn ceiling was collected in apartment 714.

All drywall/mud/tape samples were negative for asbestos with the exception of apartment 714. In this apartment, a portion of the drywall mud and the drywall tape were tested < 1% asbestos. These two samples were then point counted, (determining a more accurate percentage). The point count results for these two samples were < 0.25% asbestos. Both the EPA and MIOSHA regulations identify this material as non-asbestos containing material (non-ACM).

The result of the concrete popcorn ceiling sample collected in apartment 714 was 2% asbestos. The point count result for this sample was 1.25% asbestos. Therefore, it is expected that the concrete popcorn ceiling within the entire building is ACM, (see attached asbestos testing information for details).

It should be noted that, although the asbestos testing on two samples identified only trace amounts of asbestos (< 1% asbestos), it still contained asbestos. Therefore, additional testing of walls may find a higher percentage of asbestos present as a result of natural variance of asbestos content.

It should also be noted that, although the ceiling sample tested positive for ACM, the material is non-friable and, as a result, does not pose an issue for occupants assuming the material is left undisturbed.

Lurie Terrace

| Reading No | Apartment | Apt. Room | Component | Substrate | Color | Side | Results | PbC | Units |
|------------|----------------|--------------------|------------------------|-------------|-------|--------|-----------------|----------|-------------------|
| 1 | | | | | | | | 2.55 | cps |
| 2 | | | CALIBRATE NITON | | | | Positive | 1 | mg / cm ^2 |
| 3 | | | CALIBRATE NITON | | | | Positive | 1 | mg / cm ^2 |
| 4 | | | CALIBRATE NITON | | | | Positive | 1 | mg / cm ^2 |
| 5 | 714 | Laundry Bathroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 6 | 714 | Laundry Bathroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 7 | 714 | Laundry Bathroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 8 | 714 | Laundry Bathroom | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 9 | 714 | Foyer | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 10 | 714 | Foyer | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 11 | 714 | Foyer | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 12 | 714 | Foyer | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 13 | 714 | Foyer | Column | Concrete | White | D | Negative | <LOD | mg / cm ^2 |
| 14 | 714 | Kitchen | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 15 | 714 | Kitchen | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 16 | 714 | Kitchen | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 17 | 714 | Kitchen | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 18 | 714 | Living/Dining Room | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 19 | 714 | Living/Dining Room | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 20 | 714 | Living/Dining Room | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 21 | 714 | Living/Dining Room | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 22 | 714 | Living/Dining Room | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 23 | 714 | Living/Dining Room | Bulkhead | Concrete | White | D | Negative | <LOD | mg / cm ^2 |
| 24 | 714 | Bedroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 25 | 714 | Bedroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 26 | 714 | Bedroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 27 | 714 | Bedroom | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 28 | 714 | Master Bathroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 29 | 714 | Master Bathroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 30 | 714 | Master Bathroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 31 | 714 | Master Bathroom | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 32 | 714 | Master Bathroom | Ceiling | Concrete | White | Center | Negative | <LOD | mg / cm ^2 |
| 33 | 7th Floor Hall | Hall | Wall | Cinderblock | Mauve | A | Negative | <LOD | mg / cm ^2 |

Lurie Terrace

| Reading No | Apartment | Apt. Room | Component | Substrate | Color | Side | Results | PbC | Units |
|------------|----------------|--------------------|------------|-------------|-------|------|----------|------|------------|
| 34 | 7th Floor Hall | Hall | Wall | Drywall | Tan | C | Negative | <LOD | mg / cm ^2 |
| 35 | 7th Floor Hall | Hall | Chair Rail | Wood | White | C | Negative | <LOD | mg / cm ^2 |
| 36 | 320 | Foyer | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 37 | 320 | Foyer | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 38 | 320 | Foyer | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 39 | 320 | Foyer | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 40 | 320 | Bathroom | Wall | Drywall | White | A | Null | <LOD | mg / cm ^2 |
| 41 | 320 | Bathroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 42 | 320 | Bathroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 43 | 320 | Bathroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 44 | 320 | Bathroom | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 45 | 320 | Living/Dining Room | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 46 | 320 | Living/Dining Room | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 47 | 320 | Living/Dining Room | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 48 | 320 | Living/Dining Room | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 49 | 320 | Kitchen | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 50 | 320 | Kitchen | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 51 | 320 | Kitchen | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 52 | 320 | Kitchen | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 53 | 320 | Bedroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 54 | 320 | Bedroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 55 | 320 | Bedroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 56 | 320 | Bedroom | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 57 | 320 | Bedroom | Bulkhead | Concrete | White | A | Negative | <LOD | mg / cm ^2 |
| 58 | 320 | Master Bathroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 59 | 320 | Master Bathroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 60 | 320 | Master Bathroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 61 | 320 | Master Bathroom | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 62 | 3rd Floor Hall | Hall | Wall | Cinderblock | Tan | A | Negative | <LOD | mg / cm ^2 |
| 63 | 3rd Floor Hall | Hall | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 64 | 3rd Floor Hall | Hall | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 65 | 209 | Living/Dining Room | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 66 | 209 | Living/Dining Room | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |

Lurie Terrace

| Reading No | Apartment | Apt. Room | Component | Substrate | Color | Side | Results | PbC | Units |
|------------|----------------|--------------------|------------------------|-------------|-------|--------|-----------------|----------|-------------------|
| 67 | 209 | Living/Dining Room | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 68 | 209 | Living/Dining Room | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 69 | 209 | Living/Dining Room | Bulkhead | Concrete | White | A | Negative | <LOD | mg / cm ^2 |
| 70 | 209 | Living/Dining Room | Column | Concrete | White | A | Negative | <LOD | mg / cm ^2 |
| 71 | 209 | Foyer | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 72 | 209 | Foyer | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 73 | 209 | Foyer | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 74 | 209 | Foyer | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 75 | 209 | Kitchen | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 76 | 209 | Kitchen | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 77 | 209 | Kitchen | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 78 | 209 | Kitchen | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 79 | 209 | Bedroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 80 | 209 | Bedroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 81 | 209 | Bedroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 82 | 209 | Bedroom | Wall | Drywall | White | D | Null | <LOD | mg / cm ^2 |
| 83 | 209 | Bathroom | Wall | Drywall | White | A | Negative | <LOD | mg / cm ^2 |
| 84 | 209 | Bathroom | Wall | Drywall | White | B | Negative | <LOD | mg / cm ^2 |
| 85 | 209 | Bathroom | Wall | Drywall | White | C | Negative | <LOD | mg / cm ^2 |
| 86 | 209 | Bathroom | Wall | Drywall | White | D | Negative | <LOD | mg / cm ^2 |
| 87 | 209 | Bathroom | Ceiling | Concrete | White | Center | Null | <LOD | mg / cm ^2 |
| 88 | 209 | Bathroom | Ceiling | Concrete | White | Center | Negative | <LOD | mg / cm ^2 |
| 89 | 2nd Floor Hall | Hall | Wall | Metal | Beige | A | Negative | <LOD | mg / cm ^2 |
| 90 | 2nd Floor Hall | Hall | Wall | Metal | Beige | B | Negative | <LOD | mg / cm ^2 |
| 91 | 2nd Floor Hall | Hall | Wall | Drywall | Green | C | Negative | <LOD | mg / cm ^2 |
| 92 | 2nd Floor Hall | Hall | Wall | Cinderblock | Green | D | Negative | <LOD | mg / cm ^2 |
| 93 | | | CALIBRATE NITON | | | | Positive | 1 | mg / cm ^2 |
| 94 | | | CALIBRATE NITON | | | | Positive | 1 | mg / cm ^2 |
| 95 | | | CALIBRATE NITON | | | | Negative | 0.9 | mg / cm ^2 |
| 96 | | | CALIBRATE NITON | | | | Negative | 0.9 | mg / cm ^2 |



BULK SAMPLING INFORMATION

This form provides information regarding the collection of bulk samples, in accordance with 40 CFR, part 763.85(b)(vii)(B).

1. **Date(s) of Bulk Sampling (Project #CI0690/LT101):**

May 20, 2020

2. **Name of Accredited Inspector(s) who collected Bulk Sample(s):**

Kary S. Amin

3. **Signature of Accredited Inspector(s) who collected Bulk Sample(s):**

A handwritten signature in blue ink that reads "Kary S. Amin".

4. **State of Accreditation of Inspector(s) who collected Bulk Sample(s):**

Michigan

5. **Accreditation Number of Accredited Inspector(s) who collected Bulk Sample(s):**

A979

Note: Description of the manner used to determine sample locations:

All Samples are collected in accordance with 40 CFR, Part 763.86 and the EPA's Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials.

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

Asbestos Inspector





Kareem "Kary" S. Amin
 c/o Nova Environmental, Inc.
 5300 Plymouth Road
 Ann Arbor, MI 48105

Accreditation Number **A979** **Expiration Date** **10/11/2020** **DOB:** 11/27/1960

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector. Accreditation card is not valid if altered. **142796**

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

Asbestos Management Planner





Kareem "Kary" S. Amin
 c/o Nova Environmental, Inc.
 5300 Plymouth Road
 Ann Arbor, MI 48105

Accreditation Number **A979** **Expiration Date** **10/11/2020** **DOB:** 11/27/1960

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline. Accreditation card is not valid if altered. **142797**

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

Asbestos Project Designer





Kareem "Kary" S. Amin
 c/o Nova Environmental, Inc.
 5300 Plymouth Road
 Ann Arbor, MI 48105

Accreditation Number **A979** **Expiration Date** **10/11/2020** **DOB:** 11/27/1960

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline. Accreditation card is not valid if altered. **142798**

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

Asbestos Contractor/Supervisor





Kareem "Kary" S. Amin
 c/o Nova Environmental, Inc.
 5300 Plymouth Road
 Ann Arbor, MI 48105

Accreditation Number **A979** **Expiration Date** **10/11/2020** **DOB:** 11/27/1960

This individual has satisfactorily met or exceeded the requirements of Section 206 of the Toxic Substances Control Act to be accredited in the above discipline. Accreditation card is not valid if altered. **142799**



BULK SAMPLE RESULTS

CLIENT: Ann Arbor housing Commission

BUILDING: Lurie Terrace

PROJECT #: CI0690/LT101

TYPE OF ANALYSIS: PLM

| <u>SAMPLE I.D.</u> | <u>MATERIAL DESCRIPTION</u> | <u>CLASS</u> | <u>LOCATION OF SAMPLE</u> | <u>SAMPLE CONDITION</u> | <u>ASBESTOS DETECTED</u> | <u>%/TYPE</u> | <u>NON-ASBESTOS MATERIAL</u> |
|-------------------------|---------------------------------|--------------|--|-------------------------|--------------------------|--|-----------------------------------|
| CI0690/LT101-001 | Drywall | Misc. | Apartment 714, Main Bedroom Closet, at Cover Plate | Non-Friable | None Detected | --- | Refer to Analytical Report |
| CI0690/LT101-002 | Drywall Mud | Misc. | Apartment 714, Main Bedroom Closet, at Cover Plate | Non-Friable | None Detected | --- | Refer to Analytical Report |
| CI0690/LT101-003 | Drywall Tape | Misc. | Apartment 714, Main Bedroom Closet, at Cover Plate | Non-Friable | None Detected | --- | Refer to Analytical Report |
| CI0690/LT101-004 | Popcorn Ceiling Material | Misc. | Apartment 714, Bathroom, Ceiling, near Entrance | Non-Friable | None Detected | 2% Chrysotile POINT COUNT 1.25% | Refer to Analytical Report |
| CI0690/LT101-005 | Drywall | Misc. | Apartment 320, Bedroom Closet, Corner | Non-Friable | None Detected | --- | Refer to Analytical Report |
| CI0690/LT101-006 | Drywall Mud | Misc. | Apartment 320, Bedroom Closet, Corner | Non-Friable | None Detected | --- | Refer to Analytical Report |
| CI0690/LT101-007 | Drywall Tape | Misc. | Apartment 320, Bedroom Closet, Corner | Non-Friable | None Detected | --- | Refer to Analytical Report |
| CI0690/LT101-008 | Drywall | Misc. | Apartment 209, Bedroom Closet | Non-Friable | Yes | <1% Chrysotile POINT COUNT <0.25% | Refer to Analytical Report |
| CI0690/LT101-009 | Drywall Mud | Misc. | Apartment 209, Bedroom Closet | Non-Friable | None Detected | --- | Refer to Analytical Report |
| CI0690/LT101-010 | Drywall Tape | Misc. | Apartment 209, Bedroom Closet | Non-Friable | Yes | <1% Chrysotile POINT COUNT <0.25% | Refer to Analytical Report |

***14 samples total – Refer to Analytical Report**



EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170
Phone/Fax: (734) 668-6810 / (734) 668-8532
<http://www.EMSL.com> / annarborlab@emsl.com

EMSL Order: 082000958
Customer ID: NOVA53
Customer PO:
Project ID:

Attention: Kary Amin
Nova Environmental, Inc
5300 Plymouth Rd
Ann Arbor, MI 48105

Phone: (734) 930-0995
Fax: (734) 930-2969
Received: 05/20/2020 4:15 PM
Analysis Date: 05/21/2020
Collected:

Project: CI0168/LT101 / Ann Arbor Housing Commision / Lurie House

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|----------------|---|--------------|----------------------------|-------------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| CI0168/LT101-004 <i>082000958-0004</i> | | White Non-Fibrous Homogeneous | | 98.8% Non-fibrous (Other) | 1.25% Chrysotile |
| CI0168/LT101-008A <i>082000958-0008</i> | Joint Compound | Gray/White Non-Fibrous Homogeneous | | 100.0% Non-fibrous (Other) | <0.25% Chrysotile |
| CI0168/LT101-010 <i>082000958-0010</i> | | White/Beige Non-Fibrous Homogeneous | | 100.0% Non-fibrous (Other) | <0.25% Chrysotile |

Eric Budai

Rebecca D'Angelo

Ryan Shannon

Analyst(s)

Eric Budai (1)
Rebecca D'Angelo (2)

Ryan Shannon, Laboratory Manager
or other approved signatory

Disclaimer: Some samples may contain asbestos fibers present in dimensions below PLM resolution limits. The limit of detection as stated in the method is 0.25%. EMSL Analytical Inc suggests that samples reported as <0.25% or none detected undergo additional analysis via TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval of EMSL Analytical Inc. This test report must not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government. EMSL Analytical Inc., bears no responsibility for sample collection activities, analytical method limitations, or the accuracy of results when requested to separate layered samples. EMSL Analytical Inc., liability is limited to the cost of sample analysis. The test results contained within this report meet the requirements of NELAC unless otherwise noted. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Plymouth, MI

Initial report from: 05/21/2020 10:49:33



EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170
Tel/Fax: (734) 668-6810 / (734) 668-8532
<http://www.EMSL.com> / annarborlab@emsl.com

EMSL Order: 082000958
Customer ID: NOVA53
Customer PO:
Project ID:

Attention: Kary Amin
Nova Environmental, Inc
5300 Plymouth Rd
Ann Arbor, MI 48105
Phone: (734) 930-0995
Fax: (734) 930-2969
Received Date: 05/20/2020 4:15 PM
Analysis Date: 05/21/2020
Collected Date:
Project: CI0168/LT101 / Ann Arbor Housing Commision / Lurie House

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|---|----------------|---|-----------------------------------|---|----------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| CI0168/LT101-001A <small>082000958-0001</small> | Joint Compound | White Non-Fibrous Homogeneous | | 5% Mica 95% Non-fibrous (Other) | None Detected |
| CI0168/LT101-001B <small>082000958-0001A</small> | Drywall | Brown/Gray Non-Fibrous Homogeneous | 10% Cellulose | 90% Non-fibrous (Other) | None Detected |
| CI0168/LT101-002 <small>082000958-0002</small> | | White Non-Fibrous Homogeneous | | 5% Mica 95% Non-fibrous (Other) | None Detected |
| CI0168/LT101-003 <small>082000958-0003</small> | | White Non-Fibrous Homogeneous | | 5% Mica 95% Non-fibrous (Other) | None Detected |
| CI0168/LT101-004 <small>082000958-0004</small> | | White Non-Fibrous Homogeneous | | 98% Non-fibrous (Other) | 2% Chrysotile |
| CI0168/LT101-005A <small>082000958-0005</small> | Joint Compound | White Non-Fibrous Homogeneous | 5% Wollastonite | 95% Non-fibrous (Other) | None Detected |
| CI0168/LT101-005B <small>082000958-0005A</small> | Drywall | Brown/Gray Fibrous Heterogeneous | 12% Cellulose | 88% Non-fibrous (Other) | None Detected |
| CI0168/LT101-006 <small>082000958-0006</small> | | White Non-Fibrous Homogeneous | | 2% Mica 98% Non-fibrous (Other) | None Detected |
| CI0168/LT101-007A <small>082000958-0007</small> | Tape | Beige Fibrous Homogeneous | 95% Cellulose | 5% Non-fibrous (Other) | None Detected |
| CI0168/LT101-007B <small>082000958-0007A</small> | Joint Compound | Gray/White Non-Fibrous Homogeneous | <1% Cellulose 3% Wollastonite | <1% Mica 97% Non-fibrous (Other) | None Detected |
| CI0168/LT101-008A <small>082000958-0008</small> | Joint Compound | Gray/White Non-Fibrous Homogeneous | <1% Cellulose <1% Wollastonite | 4% Ca Carbonate 2% Mica 94% Non-fibrous (Other) | <1% Chrysotile |
| CI0168/LT101-008B <small>082000958-0008A</small> | Drywall | Brown/Gray Fibrous Heterogeneous | 6% Cellulose | 94% Non-fibrous (Other) | None Detected |
| CI0168/LT101-009 <small>082000958-0009</small> | | White/Beige Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| CI0168/LT101-010 <small>082000958-0010</small> | | White/Beige Non-Fibrous Homogeneous | | <1% Mica 100% Non-fibrous (Other) | <1% Chrysotile |

Initial report from: 05/21/2020 10:49:34

Eric Budu *HP Angelo*



EMSL Analytical, Inc.

15111 Northville Rd Plymouth, MI 48170

Tel/Fax: (734) 668-6810 / (734) 668-8532

<http://www.EMSL.com> / annarborlab@emsl.com

EMSL Order: 082000958

Customer ID: NOVA53

Customer PO:

Project ID:

Analyst(s)

Eric Budai (8)

Rebecca D'Angelo (6)

Ryan Shannon, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Plymouth, MI NVLAP Lab Code 101048-4

Initial report from: 05/21/2020 10:49:34



LABORATORY INFORMATION

1. **Name of Laboratory:**

EMSL

2. **Address of Laboratory:**

15111 Northville Rd., Plymouth, MI 48170

3. **Name of Analyst:**

Eric Budai / Rebecca D'Angelo

4. **Signature of Analyst:**

See Attached Laboratory Results Sheet

5. **Date(s) of Analysis:**

May 21, 2020

POINT COUNT: May 21, 2020

6. **National Voluntary Laboratory Accreditation Program (NVLAP) Number:**

101048-4

7. **Applicable Requirements Statement:**

Samples are analyzed for asbestos by laboratories accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), in accordance with 40 CFR, Part 763.87(a). This program is provided under the auspices of the United States Department of Commerce National Institute of Standards and Technology. Question #6 provides the NVLAP Accreditation Number for the laboratory, which performed the asbestos bulk analysis on the samples collected.

Michigan
Department of
Health and
Human Services



Healthy Homes Section

Kary Amin

Lead Inspector/Risk Assessor

Cert. number **P-00223**

Annual fee due by March 31, 2021

Appropriate refresher training and exam must be taken to renew this certification before March 31, 2023

Performance Characteristic Sheet

EFFECTIVE DATE: September 24, 2004

EDITION NO.: 1

MANUFACTURER AND MODEL:

Make: Niton LLC

Tested Model: XLP 300

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLI and XLP series:

XLI 300A, XLI 301A, XLI 302A and XLI 303A.

XLP 300A, XLP 301A, XLP 302A and XLP 303A.

XLI 700A, XLI 701A, XLI 702A and XLI 703A.

XLP 700A, XLP 701A, XLP 702A, and XLP 703A.

Note: The XLI and XLP versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm² (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm² in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm² film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is not needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

| K+L MODE READING DESCRIPTION | SUBSTRATE | THRESHOLD (mg/cm ²) |
|---|-----------|------------------------------------|
| Results not corrected for substrate bias on any substrate | Brick | 1.0 |
| | Concrete | 1.0 |
| | Drywall | 1.0 |
| | Metal | 1.0 |
| | Plaster | 1.0 |
| | Wood | 1.0 |

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

| Testing Times Using K+L Reading Mode (Seconds) | | | | | | |
|--|-----------------------------|--------|-----------------------------|--|-----------------|----------|
| Substrate | All Data | | | Median for laboratory-measured lead levels (mg/cm ²) | | |
| | 25 th Percentile | Median | 75 th Percentile | Pb < 0.25 | 0.25 ≤ Pb < 1.0 | 1.0 ≤ Pb |
| Wood Drywall | 4 | 11 | 19 | 11 | 15 | 11 |
| Metal | 4 | 12 | 18 | 9 | 12 | 14 |
| Brick Concrete Plaster | 8 | 16 | 22 | 15 | 18 | 16 |

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

Appendix C

Results of Asbestos Sample Analysis and Chain of Custody

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|----------------------------------|
| Lab ID #: 104564 - 1 Cust. #: 1A Material: Roofing-Black Tar Location: Roof Appearance: black, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Other - 90% |
| Lab ID #: 104564 - 01a Cust. #: 1A Material: Silver Paint Location: Roof Appearance: grey, fibrous, homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Wollastonite - 1% Other - 99% |
| Lab ID #: 104564 - 02 Cust. #: 1B Material: Roofing-Black Tar Location: Roof Appearance: black, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Other - 90% |

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

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|----------------------------------|
| Lab ID #: 104564 - 02a Cust. #: 1B Material: Silver Paint Location: Roof Appearance: grey,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Wollastonite - 1% Other - 99% |
| Lab ID #: 104564 - 03 Cust. #: 2A Material: Roof Flashing-Grey Location: Roof Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 04 Cust. #: 2B Material: Roof Flashing-Grey Location: Roof Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)



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Project #: 12793

Report To:

Mr. David Amir
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10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 104564 - 05 Cust. #: 3A Material: 2x2 Ceiling Tile-White w/Pinholes Location: 8th Floor Lunch Area Appearance: beige, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |
| Lab ID #: 104564 - 06 Cust. #: 3B Material: 2x2 Ceiling Tile-White w/Pinholes Location: 8th Floor Lunch Area Appearance: beige, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |
| Lab ID #: 104564 - 07 Cust. #: 4A Material: 1x1 Ceiling Tile-White Location: 8th Floor Dining Area Appearance: beige, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 50% Mineral Wool - 30% Other - 20% |

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 104564 - 07a Cust. #: 4A Material: Brown Glue Location: 8th Floor Dining Area Appearance: brown,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - <1% | Other - 100% |
| Lab ID #: 104564 - 08 Cust. #: 4B Material: 1x1 Ceiling Tile-White Location: 8th Floor Dining Area Appearance: beige,fibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 50% Mineral Wool - 30% Other - 20% |
| Lab ID #: 104564 - 08a Cust. #: 4B Material: Brown Glue Location: 8th Floor Dining Area Appearance: brown,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO Chrysotile - <1% | Other - 100% |

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

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
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Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|--|
| Lab ID #: 104564 - 09 Cust. #: 5A Material: 2x4 Ceiling Tile-White/2x2 Look Location: 8th Floor Dining Area Appearance: white, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |
| Lab ID #: 104564 - 10 Cust. #: 5B Material: 2x4 Ceiling Tile-White/2x2 Look Location: 8th Floor Dining Area Appearance: white, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |
| Lab ID #: 104564 - 11 Cust. #: 6A Material: 4" Cove Base-Grey Location: 8th Floor Office Appearance: grey, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 12 Cust. #: 6B Material: 4" Cove Base-Grey Location: 8th Floor Office Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 13 Cust. #: 7A Material: 4" Cove Base-Brown Location: 8th Floor Lunch Area Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 14 Cust. #: 7B Material: 4" Cove Base-Brown Location: 8th Floor Lunch Area Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 14a Cust. #: 7B Material: Glue Location: 8th Floor Lunch Area Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 15 Cust. #: 8A Material: Plank Fl.-Brown Wood Look/Wood FT Location: 8th Floor Lunch Area Appearance: brown,nonfibrous,homogenous Layer: 1 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 15a Cust. #: 8A Material: Clear Glue Location: 8th Floor Lunch Area Appearance: clear,nonfibrous,homogenous Layer: 2 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 15b Cust. #: 8A Material: Brown Floor Tile Location: 8th Floor Lunch Area Appearance: brown, fibrous, homogenous Layer: 3 of 4 | Asbestos Present: YES Chrysotile - 10% | Other - 90% |
| Lab ID #: 104564 - 15c Cust. #: 8A Material: Black Mastic Location: 8th Floor Lunch Area Appearance: black, nonfibrous, homogenous Layer: 4 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 16 Cust. #: 8B Material: Plank Fl.-Brown Wood Look/Wood FT Location: 8th Floor Lunch Area Appearance: brown, nonfibrous, homogenous Layer: 1 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 16a Cust. #: 8B Material: Clear Glue Location: 8th Floor Lunch Area Appearance: clear,nonfibrous,homogenous Layer: 2 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 16b Cust. #: 8B Material: Brown Floor Tile Location: 8th Floor Lunch Area Appearance: Layer: 3 of 4 | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 16c Cust. #: 8B Material: Black Mastic Location: 8th Floor Lunch Area Appearance: black,nonfibrous,homogenous Layer: 4 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 104564 - 17 Cust. #: 9A Material: 4" Cove Base-Tan Location: 8th Floor Storage Closet Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 18 Cust. #: 9B Material: 4" Cove Base-Tan Location: 8th Floor Storage Closet Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 19 Cust. #: 10A Material: Fire Caulk-Red Location: 8th Floor Storage Closet Appearance: red,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 5% Mica- 2% Other - 93% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|---|
| Lab ID #: 104564 - 20 Cust. #: 10B Material: Fire Caulk-Red Location: 8th Floor Storage Closet Appearance: red, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 2% Mica - 2% Other - 96% |
| Lab ID #: 104564 - 21 Cust. #: 11A Material: Ceiling Texture-White Popcorn Location: 8th Floor Storage Closet Appearance: white, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: YES Chrysotile - 2% | Other - 98% |
| Lab ID #: 104564 - 22 Cust. #: 11B Material: Ceiling Texture-White Popcorn Location: Unit 522 Bath Ceiling Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 23 Cust. #: 11C Material: Ceiling Texture-White Popcorn Location: Unit 123 Living Room Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 24 Cust. #: 12A Material: Linoleum/FT-12x12 Sq.-Tan, Grey, Brown Location: 8th Floor Restrooms Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 24a Cust. #: 12A Material: Glue Location: 8th Floor Restrooms Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 104564 - 25 Cust. #: 12B Material: Linoleum/FT-12x12 Sq.-Tan, Grey, Brown Location: 8th Floor Restrooms Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 25a Cust. #: 12B Material: Glue Location: 8th Floor Restrooms Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 26 Cust. #: 13A Material: Vibration Dampener-Black Location: 8th Floor Heater Room Appearance: black,fibrous,nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Synthetic - 20% Other - 80% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|--------------------------------|
| Lab ID #: 104564 - 27 Cust. #: 13B Material: Vibration Dampener-Black Location: 8th Floor Heater Room Appearance: black, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Synthetic - 20% Other - 80% |
| Lab ID #: 104564 - 28 Cust. #: 14A Material: Block Mortar-Grey Location: 8th Floor Heater Room Appearance: grey, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 29 Cust. #: 14B Material: Block Mortar-Grey Location: 8th Floor Heater Room Appearance: grey, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|--------------------------------|
| Lab ID #: 104564 - 30 Cust. #: 15A Material: Drywall-White Location: 8th Floor Heater Room Appearance: white, fibrous, nonhomogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |
| Lab ID #: 104564 - 30a Cust. #: 15A Material: Joint Compound Location: 8th Floor Heater Room Appearance: beige, fibrous, homogenous Layer: 2 of 2 | Asbestos Present: YES Chrysotile - 2% | Other - 98% |
| Lab ID #: 104564 - 31 Cust. #: 15B Material: Drywall-White Location: Unit 522 Bathroom Appearance: white, fibrous, nonhomogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 20% Other - 80% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 31a Cust. #: 15B Material: Joint Compound Location: Unit 522 Bathroom Appearance: Layer: 2 of 2 | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 32 Cust. #: 16A Material: Plank Fl.-Lt. Brown Faux Wood Location: Unit 522 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 33 Cust. #: 16B Material: Plank Fl.-Lt. Brown Faux Wood Location: Unit 522 Entry Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 34 Cust. #: 17A Material: 4" Cove Base-Black Location: Unit 522 Kitchen Appearance: black,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 35 Cust. #: 17B Material: 4" Cove Base-Black Location: Unit 522 Kitchen Appearance: black,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 36 Cust. #: 18A Material: Kitchen & Bath Caulk-White Location: 522 Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-------------------------------|
| Lab ID #: 104564 - 37 Cust. #: 18B Material: Kitchen & Bath Caulk-White Location: 522 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 38 Cust. #: 19A Material: Sink Undercoat-White Location: Unit 522 Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 1% Other - 99% |
| Lab ID #: 104564 - 39 Cust. #: 19B Material: Sink Undercoat-White Location: Unit 522 Appearance: white,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 5% Other - 95% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 104564 - 40 Cust. #: 20A Material: Linoleum-6x6 Squares-Tan, Cream, Grey Location: 426 Kitchen Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 5% Fiberglass - 5% Other - 90% |
| Lab ID #: 104564 - 41 Cust. #: 20B Material: Linoleum-6x6 Squares-Tan, Cream, Grey Location: 426 Bathroom Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 5% Fiberglass - 5% Other - 90% |
| Lab ID #: 104564 - 42 Cust. #: 21A Material: Window Caulk-White Location: Unit 426 Appearance: white, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 104564 - 43 Cust. #: 21B Material: Window Caulk-White Location: Unit 426 Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 44 Cust. #: 22A Material: Lin.-Tan, Cream Faux Stone Location: Unit 305 Kit. Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 5% Fiberglass - 5% Other - 90% |
| Lab ID #: 104564 - 45 Cust. #: 22B Material: Lin.-Tan, Cream Faux Stone Location: Unit 305 Bath Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 5% Fiberglass - 5% Other - 90% |

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 46 Cust. #: 23A Material: Fire Caulk-White Location: 2nd Floor Electrical Room Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 47 Cust. #: 23B Material: Fire Caulk-White Location: 2nd Floor Electrical Room Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 48 Cust. #: 24A Material: Tile Grout-White Location: Unit 225-Bathtub Surround Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-------------------------------|
| Lab ID #: 104564 - 49 Cust. #: 24B Material: Tile Grout-White Location: Unit 225-Bathtub Surround Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 50 Cust. #: 25A Material: 9x9 FT-Cream w/Tan & Brown Streaks Location: Unit 222 Entry Appearance: beige,fibrous,homogenous Layer: 1 of 2 | Asbestos Present: YES Chrysotile - 5% | Other - 95% |
| Lab ID #: 104564 - 50a Cust. #: 25A Material: Mastic Location: Unit 222 Entry Appearance: black,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Cellulose - 1% Other - 99% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 104564 - 51 Cust. #: 25B Material: 9x9 FT-Cream w/Tan & Brown Streaks Location: Unit 222 Entry Appearance: Layer: 1 of 2 | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 51a Cust. #: 25B Material: Mastic Location: Unit 222 Entry Appearance: black,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 52 Cust. #: 26A Material: Lin.-6x6 Square White & Tan Faux Stone Location: 123 Kitchen Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 5% Other - 95% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 104564 - 52a Cust. #: 26A Material: White Flooring Location: 123 Kitchen Appearance: white, fibrous, nonhomogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 5% Other - 95% |
| Lab ID #: 104564 - 53 Cust. #: 26B Material: Beige Floor Tile Location: 123 Kitchen Appearance: beige, fibrous, nonhomogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 5% Other - 95% |
| Lab ID #: 104564 - 53a Cust. #: 26B Material: White Flooring Location: 123 Kitchen Appearance: white, fibrous, nonhomogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 5% Other - 95% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 54 Cust. #: 27A Material: 18x18 FT-Grey, Tan Faux Stone Location: Ground Floor Hall Appearance: grey,nonfibrous,homogenous Layer: 1 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 54a Cust. #: 27A Material: Clear Glue Location: Ground Floor Hall Appearance: clear,nonfibrous,homogenous Layer: 2 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 54b Cust. #: 27A Material: Rust Floor Tile Location: Ground Floor Hall Appearance: rust,nonfibrous,homogenous Layer: 3 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 55 Cust. #: 27B Material: 18x18 FT-Grey, Tan Faux Stone Location: Ground Floor Hall Appearance: grey,nonfibrous,homogenous Layer: 1 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 55a Cust. #: 27B Material: Clear Glue Location: Ground Floor Hall Appearance: clear,nonfibrous,homogenous Layer: 2 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 55b Cust. #: 27B Material: Rust Floor Tile Location: Ground Floor Hall Appearance: rust,nonfibrous,homogenous Layer: 3 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 56 Cust. #: 28A Material: 4" Cove Base-Grey Location: Ground Floor Hall Appearance: grey,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 56a Cust. #: 28A Material: Glue Location: Ground Floor Hall Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 57 Cust. #: 28B Material: 4" Cove Base-Grey Location: Ground Floor Hall Appearance: grey,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Robert T. Letarte Jr., Laboratory Director

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 104564 - 57a Cust. #: 28B Material: Glue Location: Ground Floor Hall Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 58 Cust. #: 29A Material: 2x5 Ceiling Tile-White w/Pinholes Location: Ground Floor Hall Appearance: beige,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |
| Lab ID #: 104564 - 59 Cust. #: 29B Material: 2x5 Ceiling Tile-White w/Pinholes Location: Ground Floor Hall Appearance: beige,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |

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Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|---|
| Lab ID #: 104564 - 60 Cust. #: 30A Material: Linoleum-12x12 Square-Cream & Beige Location: Unit 720 Kitchen Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Fiberglass - 5% Other - 85% |
| Lab ID #: 104564 - 61 Cust. #: 30B Material: Linoleum-12x12 Square-Cream & Beige Location: Unit 720 Kitchen Appearance: beige, fibrous, nonhomogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Fiberglass - 5% Other - 85% |
| Lab ID #: 104564 - 62 Cust. #: 31A Material: Sink Undercoat-Grey Location: Unit 709 Kitchen Appearance: grey, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Other - 90% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 104564 - 63 Cust. #: 31B Material: Sink Undercoat-Grey Location: Unit 709 Kitchen Appearance: grey, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 10% Other - 90% |
| Lab ID #: 104564 - 64 Cust. #: 32A Material: 12x12 Floor Tile-Cream & White Location: Unit 708 Kitchen Appearance: beige, fibrous, homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 1% Other - 99% |
| Lab ID #: 104564 - 64a Cust. #: 32A Material: Glue Location: Unit 708 Kitchen Appearance: yellow, nonfibrous, homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--------------------------------|
| Lab ID #: 104564 - 65 Cust. #: 32B Material: 12x12 Floor Tile-Cream & White Location: Unit 708 Bathroom Appearance: beige,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 1% Other - 99% |
| Lab ID #: 104564 - 65a Cust. #: 32B Material: Glue Location: Unit 708 Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 66 Cust. #: 33A Material: Textured Paint-White Location: 6th Floor Balcony Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-------------------------------|
| Lab ID #: 104564 - 67 Cust. #: 33B Material: Textured Paint-White Location: 6th Floor Balcony Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 68 Cust. #: 33C Material: Textured Paint-White Location: 6th Floor Balcony Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 1% Other - 99% |
| Lab ID #: 104564 - 69 Cust. #: 33D Material: Textured Paint-White Location: 4th Floor Balcony Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-------------------------------|
| Lab ID #: 104564 - 70 Cust. #: 33E Material: Textured Paint-White Location: 4th Floor Balcony Appearance: white,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 1% Other - 99% |
| Lab ID #: 104564 - 71 Cust. #: 34A Material: Exterior Window Caulk-Brown Location: 6th Floor Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 72 Cust. #: 34B Material: Exterior Window Caulk-Brown Location: 6th Floor Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 73 Cust. #: 35A Material: Railing Glue-Tan Location: 6th Floor Balcony Appearance: beige,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 74 Cust. #: 35B Material: Railing Glue-Tan Location: 6th Floor Balcony Appearance: beige,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 75 Cust. #: 36A Material: 4" Brown Plank Flooring/Floor Tile Location: 607 Bathroom Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 75a Cust. #: 36A Material: Glue Location: 607 Bathroom Appearance: clear,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 76 Cust. #: 36B Material: 4" Brown Plank Flooring/Floor Tile Location: 607 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 76a Cust. #: 36B Material: Glue Location: 607 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 77 Cust. #: 37A Material: 4" Cove Base-White Location: 607 Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 77a Cust. #: 37A Material: Glue Location: 607 Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 78 Cust. #: 37B Material: 4" Cove Base-White Location: 607 Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 78a Cust. #: 37B Material: Glue Location: 607 Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 79 Cust. #: 38A Material: 12x12 Floor Tile-White & Tan Location: Unit 611 Bathroom Appearance: beige,nonfibrous,homogenous Layer: 1 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 79a Cust. #: 38A Material: Clear Glue Location: Unit 611 Bathroom Appearance: clear,nonfibrous,homogenous Layer: 2 of 3 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 79b Cust. #: 38A Material: Beige Floor Tile Location: Unit 611 Bathroom Appearance: beige, fibrous, homogenous Layer: 3 of 3 | Asbestos Present: YES Chrysotile - 2% | Other - 98% |
| Lab ID #: 104564 - 80 Cust. #: 38B Material: 12x12 Floor Tile-White & Tan Location: Unit 611 Kitchen Appearance: beige, nonfibrous, homogenous Layer: 1 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 80a Cust. #: 38B Material: Clear Glue Location: Unit 611 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 80b Cust. #: 38B Material: Beige Floor Tile Location: Unit 611 Kitchen Appearance: Layer: 3 of 4 | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 80c Cust. #: 38B Material: Black Mastic Location: Unit 611 Kitchen Appearance: black,nonfibrous,homogenous Layer: 4 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 81 Cust. #: 39A Material: Brick Mortar-Grey Location: 5th Floor Balcony Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 82 Cust. #: 39B Material: Brick Mortar-Grey Location: 5th Floor Balcony Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 83 Cust. #: 40A Material: Carpet Glue-Yellow Location: 4th Floor Hall Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 84 Cust. #: 40B Material: Carpet Glue-Yellow Location: 4th Floor Hall Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 85 Cust. #: 41A Material: Sink Undercoat-Black Location: Unit 307 Kitchen Appearance: black,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 86 Cust. #: 41B Material: Sink Undercoat-Black Location: Unit 307 Kitchen Appearance: black,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 87 Cust. #: 42A Material: Floor Tile-White w/Spots Location: 2nd Floor Common Room Appearance: beige,fibrous,homogenous Layer: 1 of 2 | Asbestos Present: YES Chrysotile - 2% | Other - 98% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 87a Cust. #: 42A Material: Mastic Location: 2nd Floor Common Room Appearance: black,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 88 Cust. #: 42B Material: Floor Tile-White w/Spots Location: 2nd Floor Common Room Appearance: Layer: 1 of 2 | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 88a Cust. #: 42B Material: Mastic Location: 2nd Floor Common Room Appearance: black,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|--------------------------------|
| Lab ID #: 104564 - 89 Cust. #: 43A Material: Lin.-Cream Squares w/Beige Diamonds Location: Appearance: beige, fibrous, nonhomogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 2% Other - 98% |
| Lab ID #: 104564 - 89a Cust. #: 43A Material: Glue Location: Appearance: yellow, nonfibrous, homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 90 Cust. #: 43B Material: Lin.-Cream Squares w/Beige Diamonds Location: Appearance: beige, fibrous, nonhomogenous Layer: 1 of 2 | Asbestos Present: NO No Asbestos Observed | Fiberglass - 2% Other - 98% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|--|
| Lab ID #: 104564 - 90a Cust. #: 43B Material: Glue Location: Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 91 Cust. #: 44A Material: 2x2 Ceiling Tile-White Orange Peel Location: 1st Floor Hall Appearance: beige,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |
| Lab ID #: 104564 - 92 Cust. #: 44B Material: 2x2 Ceiling Tile-White Orange Peel Location: 1st Floor Hall Appearance: beige,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Cellulose - 40% Mineral Wool - 30% Other - 30% |

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Robert T. Letarte Jr., Laboratory Director

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-----------------------|
| Lab ID #: 104564 - 93 Cust. #: 45A Material: Floor Tile Grout-Grey Location: Office Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 94 Cust. #: 45B Material: Floor Tile Grout-Grey Location: Office Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 95 Cust. #: 46A Material: Sink Undercoat-Silver & Black Location: Office Kitchen Appearance: black,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: YES Chrysotile - 5% | Other - 95% |

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Robert T. Letarte Jr., Laboratory Director

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 96 Cust. #: 46B Material: Sink Undercoat-Silver & Black Location: Office Kitchen Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 97 Cust. #: 47A Material: 12x12 Floor Tile-Green Location: Office Kitchen Closet Appearance: green,nonfibrous,homogenous Layer: 1 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 97a Cust. #: 47A Material: Clear Glue Location: Office Kitchen Closet Appearance: clear,nonfibrous,homogenous Layer: 2 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 97b Cust. #: 47A Material: Beige Floor Tile Location: Office Kitchen Closet Appearance: beige, fibrous, homogenous Layer: 3 of 4 | Asbestos Present: YES Chrysotile - 5% | Other - 95% |
| Lab ID #: 104564 - 97c Cust. #: 47A Material: Black Mastic Location: Office Kitchen Closet Appearance: black, nonfibrous, homogenous Layer: 4 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 98 Cust. #: 47B Material: 12x12 Floor Tile-Green Location: Office Kitchen Closet Appearance: green, nonfibrous, homogenous Layer: 1 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|---|-------------------------------|
| Lab ID #: 104564 - 98a Cust. #: 47B Material: Clear Glue Location: Office Kitchen Closet Appearance: clear,nonfibrous,homogenous Layer: 2 of 4 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 98b Cust. #: 47B Material: Beige Floor Tile Location: Office Kitchen Closet Appearance: Layer: 3 of 4 | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 98c Cust. #: 47B Material: Black Mastic Location: Office Kitchen Closet Appearance: black,nonfibrous,homogenous Layer: 4 of 4 | Asbestos Present: NO No Asbestos Observed | Cellulose - 1% Other - 99% |

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Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 99 Cust. #: 48A Material: Foundation Tar-Black Location: Foundation-East Side Appearance: black, fibrous, homogenous Layer: 1 of 1 | Asbestos Present: YES Chrysotile - 5% | Other - 95% |
| Lab ID #: 104564 - 100 Cust. #: 48B Material: Foundation Tar-Black Location: Foundation-East Side Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |
| Lab ID #: 104564 - 101 Cust. #: 49A Material: A/C Caulk-Tan Location: East Side-A/C Appearance: brown, nonfibrous, homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |

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| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 102 Cust. #: 49B Material: A/C Caulk-Tan Location: East Side-A/C Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 103 Cust. #: 50A Material: Old Door Caulk-Black Location: Doors To Ground Floor Appearance: black,fibrous,homogenous Layer: 1 of 1 | Asbestos Present: YES Chrysotile - 5% | Other - 95% |
| Lab ID #: 104564 - 104 Cust. #: 50B Material: Old Door Caulk-Black Location: Doors To Ground Floor Appearance: Layer: of | Asbestos Present: NOT ANALYZED | |

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

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|--|---|-----------------------|
| Lab ID #: 104564 - 105 Cust. #: 51A Material: New Door Caulk-Grey Location: West Side Door Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 106 Cust. #: 51B Material: New Door Caulk-Grey Location: West Side Door Appearance: grey,nonfibrous,homogenous Layer: 1 of 1 | Asbestos Present: NO No Asbestos Observed | Other - 100% |
| Lab ID #: 104564 - 07a pc Cust. #: 4A Material: Brown Glue Location: 8th Floor Dining Area Appearance: brown,nonfibrous,homogenous Layer: of | Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT | Other - 100% |

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

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)



Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|--|-----------------------|
| Lab ID #: 104564 - 08a pc Cust. #: 4B Material: Brown Glue Location: 8th Floor Dining Area Appearance: brown,nonfibrous,homogenous Layer: of | Asbestos Present: NO Chrysotile - Trace POINT COUNT RESULT | Other - 100% |
| Lab ID #: 104564 - 21pc Cust. #: 11A Material: Ceiling Texture-White Popcorn Location: 8th Floor Storage Closet Appearance: white,fibrous,homogenous Layer: of | Asbestos Present: YES Chrysotile - 1.50% POINT COUNT RESULT | Other - 98.50% |
| Lab ID #: 104564 - 30a pc Cust. #: 15A Material: Joint Compound Location: 8th Floor Heater Room Appearance: beige,fibrous,homogenous Layer: of | Asbestos Present: YES Chrysotile - 1.50% POINT COUNT RESULT | Other - 98.50% |

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

Robert T. Letarte Jr., Laboratory Director

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Project: 600 W. Huron
Project #: 12793

Report To:

Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 23-104564
Date Collected: 05/16/23
Date Received: 05/17/23
Date Analyzed: 05/18/23
Date Reported: 05/22/23

| Sample Information | Asbestos Type/Percent | Non-Asbestos Material |
|---|--|-----------------------|
| Lab ID #: 104564 - 79b pc Cust. #: 38A Material: Beige Floor Tile Location: Unit 611 Bathroom Appearance: beige, fibrous, homogenous Layer: of | Asbestos Present: YES Chrysotile - 1.75% POINT COUNT RESULT | Other - 98.25% |
| Lab ID #: 104564 - 87pc Cust. #: 42A Material: Floor Tile-White w/Spots Location: 2nd Floor Common Room Appearance: beige, fibrous, homogenous Layer: of | Asbestos Present: YES Chrysotile - 1.75% POINT COUNT RESULT | Other - 98.25% |
| Lab ID #: Cust. #: Material: Location: Appearance: Layer: of | Asbestos Present: | |

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

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 40 CFR - Part 763 and/or EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples as submitted and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



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 Phone: 810-225-2800 Fax: _____
 Turn Around Time: (circle one) ***Terms and conditions on the other side.

Date of Survey: 5/16/2023
 Project: 600 W. Huron
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com
 Circle analyses required, indicate type and quantity

Lab Use Only
 Log-In: _____
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 Fax: _____
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 Email: _____

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour _____ 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP no Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|--|--------|------|---------|
| | 1A | Roofing - Black Tar w/ Silver - ROOF | | | |
| | 1B | " " | | | |
| | 2A | Roof Flashing - Gray - ROOF | | | |
| | 2B | " " | | | |
| | 3A | 2x2 Ceiling tile - white w/ Pin holes - 8 th floor lunch Area | | | |
| | 3B | " " | " | | |
| | 4A | 1x1 Ceiling tile - white w/ Brown Glue - 8 th floor Dining Area | | | |
| | 4B | " " | | " | |
| | 5A | 2x4 Ceiling tile - white 2x2 Look - 8 th floor Dining Area | | | |
| | 5B | " " | " | | |
| | 6A | 4" Covebase - Gray - 8 th floor office | | | |
| | 6B | " " | " | | |

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Revision R4 Date: May/2017

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Date of Survey: 5/16/2023
 Project: 600 W. Huron
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com
 Circle analyses required, indicate type and quantity

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Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP / no _____ Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|--|-----------------------|---------|---------|
| | 7A | 4" Cove base - Brown - 8 th floor | Loach | Area | |
| | 7B | " " | | | |
| | 8A | Plank flooring - Brown wood look - 8 th floor | Loach | Area | |
| | 8B | " " | " | | |
| | 9A | 4" Cove base - Tan - 8 th floor | Storage | Closet | |
| | 9B | " " | " | | |
| | 10A | Fire Caulk - Red - 8 th floor | Storage | Closet | |
| | 10B | " " | " | | |
| | 11A | Ceiling texture - White Popcorn - | 8 th floor | Storage | Closet |
| | 11B | ↓ | unit 522 | Bath | Ceiling |
| | 11C | ↓ | unit 123 | Living | Room |

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Date of Survey: 5/16/2023
 Project: 606 W. Huron
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com

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Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ Asbestos: Bulk X Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no _____ Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|--|--------|-----------------------|----------------|
| | 12A | Linoleum - 12x12 square Tan, gray, Brown | | 8 th floor | Restrooms |
| | 12B | " | | " | |
| | 13A | Vibration Damper - Black | | 8 th floor | Heater Room |
| | 13B | " | | " | |
| | 14A | Block Mortar - Gray | | 8 th floor | Heater Room |
| | 14B | " | | " | |
| | 15A | Drywall & Joint compound - white | | 8 th floor | Heater Room |
| | 15B | " | | Unit 522 | Bathroom |
| | 16A | Plank flooring - light Brown | | fox wood | Unit 522 Kit |
| | 16B | " | | " | Unit 522 Entry |
| | 17A | 4" Lumber - Black | | Unit 522 | Kitchen |
| | 17B | " | | " | |

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 Turn Around Time: (circle one) ***Terms and conditions on the other side.

Date of Survey: 5/16/2023
 Project: 600 W. Horizon
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com

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 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ **Asbestos:** Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour **Lead / Cad / Chrome:** Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no _____ **Mold:** Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) **TEM:** Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|--|--------|---------------|---------|
| | 18A | Kitchen & Bath Caulk - white - 522 Bathroom | | | |
| | 18B | " " 522 Kitchen | | | |
| | 19A | Sink Undercont. - white - Unit 522 | | | |
| | 19B | " " | | | |
| | 20A | Linoleum - 6x6 Squares Tan, Cream, Gray w/ white lines - | | 426 Kitchen | |
| | 20B | " " | | 426 Bathroom | |
| | 21A | Window Caulk - white - Unit 426 | | | |
| | 21B | " " | | | |
| | 22A | Linoleum - Tan, Cream faux Stone - Unit | | 305 Kit | |
| | 22B | " " | | Unit 305 Bath | |
| | 23A | Fire Caulk - white - 2nd floor Electrical Room | | | |
| | 23B | " RECEIVED | | | |

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 Phone: 810-225-2800 Fax: _____
 Turn Around Time: (circle one) ***Terms and conditions on the other side.

Date of Survey: 5/16/2023
 Project: 600 W. Huron
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com

Lab Use Only
 Log-In: _____
 Report: _____
 Fax: _____
 Verbal: _____
 Email: _____

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour _____ Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP / no _____ Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|--|--------------------|------------|----------|
| | 24A | Tile Grout - white - Red Red | Unit 225 | Bathub | Surround |
| | 24B | " | " | | |
| | 25A | 9x9 Floor tile - Cream w/ Tan & Brown streaks | Unit 222 | Entry | |
| | 25B | " | " | | |
| | 26A | Linoleum - 6x6 Square White & tan | Faux Stone - 123 | Kitchen | |
| | 26B | " | " | | |
| | 27A | 18x18 Floor tile - Gray, Rust, Tan | Faux Stone - Grand | floor Hall | |
| | 27B | " | " | " | |
| | 28A | 4" Cove base - Gray - Grand | floor | Hall | |
| | 28B | " | " | | |
| | 29A | 2x5 Ceiling tile - white w/ pin holes - Grand | floor | Hall | |
| | 29B | " | " | | |

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 Phone: 810-225-2800 Fax: _____

Date of Survey: 5/16/2023
 Project: 600 W. Huron
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com

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 Log-In: _____
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Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP / no _____ Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|--|-------------|-------------------|---------|
| | 30A | linoleum - 12x12 Square Cream & Beige - Unit 720 Kitchen | | | |
| | 30B | " | " | | |
| | 31A | Sink under Count - Gray - unit | 709 Kitchen | | |
| | 31B | " | " | | |
| | 32A | 12x12 Floor tile - Cream & White - 700 Unit 708 Kitchen | | | |
| | 32B | " | | Unit 708 Bathroom | |
| | 33A | Textured Paint - white - 6" floor | Balcony | | |
| | 33B | ↓ | ↓ | ↓ | |
| | 33C | ↓ | ↓ | ↓ | |
| | 33D | ↓ | 4" floor | Balcony | |
| | 33E | ↓ | ↓ | ↓ | |
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Date of Survey: 5/14/2023
 Project: 600 W. Huron
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com

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Turn Around Time: (circle one) ***Terms and conditions on the other side.

Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour _____ 72 hour _____ Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no _____ Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|---|--------------|------|---------|
| | 34A | Exterior Window Casbk - Brown - 6 th floor | | | |
| | 34B | " " | | | |
| | 35A | Railing Glue - Tan - 6 th floor | Balcony | | |
| | 35B | " " | " | | |
| | 36A | 4" Brown Plank flooring - 607 | Bathroom | | |
| | 36B | " " - 607 | Kitchen | | |
| | 37A | 4" Cove base - white - 607 | Bathroom | | |
| | 37B | " " | " | | |
| | 38A | 12x12 Floor tile - white & Tan - Unit | 611 Bathroom | | |
| | 38B | " " - Unit | 611 Kitchen | | |
| | 39A | Brick Mortar - Gray - 5 th floor | Balcony | | |
| | 39B | " RECEIVED | " | | |

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Date of Survey: 5/16/2023
 Project: 600 W. Huron
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com

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Circle analyses required, indicate type and quantity

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 72 hour Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP yes / no _____ Mold: Bulk _____ Air/Zefon/AlergencoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|---|--------|-------------|---------|
| | 40A | Carpet Glue - Yellow - 4 th floor hall | | | |
| | 40B | " " | | | |
| | 41A | Sink under coat - Black - Unit 307 | | Kitchen | |
| | 41B | " " | | | |
| | 42A | Floor tile - white w/ spots - 2 nd floor | | Common Room | |
| | 42B | " " | | | |
| | 43A | Linoleum - Cream Squares w/ Beige Diamonds | | | |
| | 43B | " " | | | |
| | 44A | 2x2 Ceiling tile - white orange peel - 1 st floor hall | | | |
| | 44B | " " | | | |
| | 45A | Floor tile Grout - Gray - Office Bathroom | | | |
| | 45B | " RECEIVED | | | |

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Date: 5/17/23

Revision R4 Date: May/2017

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Time/Date: 12:00

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Date of Survey: 5/16/2023
 Project: 600 W. Union
 Project # 12793
 Contact Person: Dave Amir
 Email: damir@asti-env.com jschuitema@asti-env.com
Circle analyses required, indicate type and quantity

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 Log-In: _____
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 Fax: _____
 Verbal: _____
 Email: _____

Rush _____ 24 hour _____ Asbestos: Bulk Wipe _____ Point Count _____ PCM _____
 48 hour 12 hour _____ Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO _____ Air _____ Paint _____ Bulk _____
 Other: _____ TTP / no _____ Mold: Bulk _____ Air/Zefon/AlergenCoD _____ BioSIS _____ Tape _____
 Samples received after 3pm (Test Till Positive) TEM: Bulk/NOB _____ NIOSH 7402 _____ EPA Level II _____ Other _____
 logged in next morning

| Lab ID | Customer ID # | Material/Location | Volume | Area | Results |
|--------|---------------|---------------------------------------|-----------|----------------------|---------|
| | 46A | Sink Undercoat - Silver & Black - | Office | Kitchen | |
| | 46B | " " | | | |
| | 47A | 12x12 Floor Film - Green over Beige - | | Office Kit Cabinet | |
| | 47B | " " | | | |
| | 48A | Foundation Tar - Black - | | Foundation East Side | |
| | 48B | " " | | | |
| | 49A | A/c Caulk - Tan - | East Side | A/c | |
| | 49B | " " | " " | | |
| | 50A | Old Door Caulk - Black - | Doors | to Ground Floor | |
| | 50B | " " | " " | | |
| | 51A | New Door Caulk - Gray - | West Side | Door | |
| | 51B | " " | " " | | |

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 Time/Date: _____

Appendix D

Photo Log

PHOTO LOG

600 West Huron Street, Ann Arbor, Michigan



Photo 1. A view of the front of 600 West Huron Street



Photo 2. A view of the 8th floor plank flooring with the asbestos-containing brown floor tile underneath



Photo 3. A view of the asbestos-containing ceiling texture

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600 West Huron Street, Ann Arbor, Michigan



Photo 4. A view of the asbestos-containing drywall joint compound



Photo 5. A view of the asbestos-containing cream with tan & brown streaks 9x9 floor tile



Photo 6. A view of the 12x12 white and tan floor tile with the asbestos-containing beige floor tile underneath

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Photo 7. A view of the asbestos-containing floor tile with white spots



Photo 8. A view of the asbestos-containing silver & black sink undercoat



Photo 9. A view of the asbestos-containing beige 9x9 floor tile

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Photo 10. A view of the asbestos-containing foundation tar



Photo 11. A view of the asbestos-containing old door caulk



Photo 12. A view of the 1x1 ceiling tile with associated glue pods containing less than 1% asbestos

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