



REPORT DATE: March 15, 2024
MID-ATLANTIC PROJECT #: R3950.00

NESHAP ASBESTOS SURVEY REPORT

**409, 411, 419 GOLDSBORO STREET SOUTH, 408 AND
410 JONES STREET SOUTH**
Wilson, Wilson County, North Carolina

ENGINEERING & ENVIRONMENTAL SOLUTIONS

PREPARED FOR:

City of Wilson
PO Box 10
Wilson, North Carolina 27894

PREPARED BY:

Mid-Atlantic Associates, Inc.
409 Rogers View Court
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1.0 INTRODUCTION

Mid-Atlantic Associates, Inc. (Mid-Atlantic) conducted a National Emissions Standards for Hazardous Air Pollutants (NESHAP, Environmental Protection Agency (EPA) regulation 40 CFR 61, Subpart M) asbestos survey of multiple commercial structures located at 409, 411, 419 Goldsboro Street South, 408 and 410 Jones Street South in Wilson, Wilson County, North Carolina (the "Subject Property"). A Site Map illustrating the location of the Subject Property is provided as [Drawing 1](#).

This assessment was conducted under the Town of Wilson's Brownfields Cooperative Agreement number 4B-02D32422-0 and in accordance with the approved Site Specific Quality Assurance Plan. The objective of our scope of services was to identify the potential presence of asbestos-containing materials (ACM) at the Subject Property.

2.0 DEFINITIONS

2.1 Asbestos-Containing Material

Friable: Friable asbestos-containing material (ACM) is defined by the Asbestos NESHAP as any material containing more than one percent (>1%) asbestos as determined using Polarized Light Microscopy (PLM) analysis or equivalent NESHAP approved methods, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Non-friable: Non-friable ACM is any material containing >1% asbestos as determined using PLM analysis or equivalent NESHAP approved methods, that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. EPA also defines two categories of non-friable ACM, Category I and Category II. Category I non-friable ACM includes packings, gaskets, resilient floor coverings, and asphalt roofing products. Category II includes any material other than those included in Category I which do not meet the definition of friable.

Regulated Asbestos-Containing Material: Regulated Asbestos-Containing Material (RACM) is categorized as friable ACM, Category I non-friable ACM that has become friable, Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Trace ($\leq 1\%$) Asbestos Containing Material: Materials that contain $\leq 1\%$ asbestos are not considered "asbestos-containing material" under the NESHAP standard; however, materials containing $\leq 1\%$ asbestos are covered by the Occupational Safety and Health Administration's (OSHA's) asbestos construction standard (29 CFR 1926.1101).

PLM Point-Count: When a friable or non-friable asbestos-containing material is estimated to contain less than 10 percent asbestos by a method other than point counting, such as visual estimation, the EPA recommends that the determination be repeated using point counting techniques with PLM. Where binders or like materials are present, appropriate sample preparation methods such as gravimetric reduction must be followed to eliminate the effects of interfering substances.

Non-friable Organically Bound: Five bulk materials have been categorized by the EPA that are very difficult to analyze by Polarized Light Microscopy (PLM). These materials are dominantly non-friable and fall into the following categories: Vinyl material (i.e. floor tiles, sheetings), viscous matrix products (i.e. caulks/sealants, adhesives, coatings, joint compound/spackle), cementitious material (i.e. pipes, sheetings), asphaltic roofing materials (i.e. shingles, roof rollings), and miscellaneous products (i.e. frictions plates, gaskets). The EPA recommends that these materials be analyzed by Transmission Electron Microscopy (TEM) when PLM results are inconclusive (EPA600/R-93/116, Appendix D).

2.2 Asbestos Survey

Asbestos Survey: An asbestos survey requires destructive sampling to determine the presence, location, condition, and estimated quantity of ACM in or on a structure, building, or facility for the purpose of general hazard awareness, due diligence, future renovation, or future demolition activities. An asbestos survey is performed when there is no information, or insufficient information, as to the existence of ACM in or on a structure, building, or facility. An asbestos survey satisfies the EPA NESHAP requirements for renovation or demolition to “thoroughly inspect the affected facility” or the requirements of governmental agencies for issuance of a building demolition permit. An asbestos survey is comprehensive and satisfies the NESHAP requirements for complete building demolition activities unless otherwise noted as a "limited asbestos survey".

2.3 Limited Asbestos Survey

Limited Asbestos Survey: A limited asbestos survey requires destructive sampling to determine the presence, location, condition, and estimated quantity of ACM in or on a structure, building, facility, or remnant structure for the purpose of general hazard awareness, due diligence, or future renovation activities. A limited asbestos survey is determined when limitations are encountered in or on a structure, building, facility, or remnant structure that may prevent the identification of ACM in or on a structure, building, facility, or remnant structure. A limited asbestos survey is not comprehensive and may not satisfy the NESHAP requirements for complete building demolition activities; however, a limited asbestos survey may satisfy the requirements of governmental agencies for issuance of a building permit for specific building renovation activities.

3.0 DESCRIPTION OF BUILDINGS

During this assessment, the Subject Property consisted of five parcels each developed with at least one commercial structure. Specific details pertaining to each structure are listed below:

409 Goldsboro Street South:

- One single-story commercial structure was observed at the above-referenced address during this assessment. According to the Wilson County GIS website (<https://gis.wilson-co.com/maps/>), the building totals approximately 2,800-square feet and was constructed in 1973.
- The commercial structure consisted of a wood/metal frame construction with metal siding and a sloped metal roof. Interior finishes consisted of wallboard and plywood walls, a metal ceiling decking, and a concrete slab with areas finished with various sheet floorings.

411 Goldsboro Street South:

- One single-story commercial structure was observed at the above-referenced address during this assessment. According to the Wilson County GIS website, the structure totals approximately 4,760-square feet and was constructed in 1945.
- The commercial structure consisted of a brick and mortar/concrete masonry unit (CMU) block construction and a sloped metal roof. Interior finishes consisted of wallboard walls and ceilings, and a concrete slab floor.

419 Goldsboro Street South:

- One single-story commercial structure was observed at the above-referenced address during this assessment. According to the Wilson County GIS website, the structure totals approximately 2,762-square feet and was constructed in 1960.
- The commercial structure consisted of a brick and mortar/CMU block construction and a flat rubber membrane over wood decking roof. Interior finishes consisted of wallboard and plaster walls, and a concrete slab floor with areas finished with various floor tiles and sheet floorings.

408 Jones Street South:

- One single-story commercial structure was observed at the above-referenced address during this assessment. According to the Wilson County GIS website, the structure totals approximately 21,570-square feet and was constructed in 1930.

- The commercial structure consisted of a brick and mortar construction and a sloped rubber membrane over wood decking roof. Interior finishes consisted of wood panel walls, various drop-tile ceilings, and a concrete slab floor with areas finished with carpet and various floor tiles and sheet floorings.

410 Jones Street South:

- One single-story warehouse structure was located at the above-referenced address during this assessment. According to the Wilson County GIS website (<https://gis.wilson-co.com/maps/>), the warehouse structure totals approximately 10,800-square feet and was constructed in 1950.
- The commercial structure consisted of a concrete masonry unit (CMU) block and metal frame construction, flat and sloped rubber membrane over wood decking roofs, and flat and sloped metal roofs. Interior finishes consisted of metal frame walls and an unfinished concrete slab floor.

4.0 FIELD ACTIVITIES

The field work for this NESHAP asbestos survey was conducted by Mr. Colton Gotshall (North Carolina Asbestos Building Inspector Accreditation No. 13317) on February 15, 16, and March 6, 2024. This survey was conducted in general accordance with the sample collection protocols established in EPA regulation 40 CFR 763, Asbestos Hazard Emergency Response Act (AHERA). A summary of survey activities is provided below.

4.1 Visual Assessment

Mid-Atlantic's survey activities began with a visual observation of the on-site commercial structures to identify apparent homogeneous areas (HAs) of suspect ACM. An HA consists of building materials that appear similar throughout in terms of color, texture, use, and date of application. This asbestos survey was performed on visually accessible areas on the interior, exterior, and roof of the structures. Building materials identified as concrete, glass, wood, masonry, metal or rubber are not considered suspect ACM.

During this assessment, Mid-Atlantic did not identify suspect ACM at the 410 Jones Street South commercial structure. According to the owner of the building, Mr. Darren Skinner, the roof of the building was removed and replaced approximately 10-15 years ago. As previously stated, the structures roof currently consists of flat and sloped rubber membrane/metal over wood decking.

4.2 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to investigate the friability and condition of the materials at the time of this asbestos survey. Friability was assessed by physically touching suspect materials. For more detailed information on friable and non-friable building materials, please refer to [Section 2.0 - Definitions](#) of this report.

4.3 Sample Collection

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with AHERA protocols. Random samples of suspect materials were collected in each homogeneous area. After collection, samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. Sample locations were then recorded in the field in order to identify the locations of ACM once the laboratory results were generated. During this asbestos assessment, we collected 101 bulk samples of suspect ACM from 43 HAs. The Asbestos Survey Forms and Analytical Results are included as [Appendix A](#).

4.4 Sample Analysis

Suspect ACM samples were submitted under chain of custody control to the Eurofins CEI Labs, Inc. (ECEI) laboratory in Cary, North Carolina for analysis. The suspect ACM samples were analyzed by Polarized Light Microscopy (PLM) with dispersion staining techniques per EPA methodology (40 CFR 763, Subpart F) with positive-stop requested. The percentage of asbestos, where applicable, was determined by microscopical visual estimation. ECEI is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP Accreditation No. 101768-0).

A comprehensive list of building materials sampled, locations, friability, and estimated quantities can be found in the Asbestos Survey Forms and Analytical Results included as [Appendix A](#). Samples identified as containing >1% asbestos are bolded and highlighted. A copy of the full ECEI analytical report is included in [Appendix B](#). Photographs of ACM identified during this investigation are included in [Appendix C](#). A copy of the North Carolina Asbestos Inspector's Certification is included in [Appendix D](#).

5.0 FINDINGS AND RECOMMENDATIONS

Laboratory analytical results identified ACM in the following building materials:

409 Goldsboro Street South

- Large Stone Pattern Sheet Flooring and its associated Yellow Mastic

411 Goldsboro Street South

- Silver Coating and its associated Black Tar

419 Goldsboro Street South

- Off-White Interior Window Frame Caulk
- Gray Exterior Window Frame Caulk beneath White Caulk
- Black tar

408 Jones Street South

- Black Sink Coating
- 9" x 9" Brown/Tan Floor Tile and its associated Black Mastic
- Tan/Brown Mastic and its associated Off-White Backing Material over Tan/Yellow Mastic over 12" x 12" White/Off-White Floor Tile over Beige/Tan Floor Tile over Black Mastic
- 9" x 9" Brown/Tan Floor Tile and its associated Black Mastic over Black/Brown Felt Paper

Additional information regarding the identified ACM is illustrated in the Survey Forms provided as [Appendix A](#). Maps showing the location of ACM identified on each parcel are included as [Drawings 2-6](#). At the time of this survey, non-friable and friable ACM were observed to be in good condition, with the exception of 9" x 9" Brown/Tan Floor Tile and its associated Black Mastic located in the 408 Jones Street South commercial structure. Mid-Atlantic recommends that the identified ACM be removed by professionals qualified in asbestos abatement prior to renovation/demolition activities. If these materials are to remain in place, we recommend they be managed in accordance with a written Operations and Maintenance Plan.

6.0 REGULATORY OVERVIEW

The asbestos NESHAP regulates asbestos fiber emissions (prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities) and asbestos waste disposal practices. NESHAP requires the identification and classification of existing building materials prior to demolition or renovation activity. The EPA recommends that all Regulated ACM (RACM) be removed by a certified asbestos contractor prior to any renovation or demolition activities that may impact the material. In the absence of planned renovation/demolition activities, the EPA recommends that ACM be managed in place whenever asbestos is identified in a building. Any damaged ACM should be removed, repaired, encapsulated, or enclosed. ACM that is not damaged may be managed in place in accordance with a written Operations and Maintenance Program.

In North Carolina, asbestos activities are regulated by the North Carolina Health Hazards Control Unit (HHCU). The HHCU requires that any asbestos-related activity conducted in a public building be performed by personnel licensed by the State of North Carolina. According to the guidelines, RACM must be removed prior to conducting any renovation or demolition activities which will disturb those materials. The owner or operator must provide the HHCU with written notification of planned removal activities at least ten working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by a State of North Carolina licensed asbestos abatement contractor. In addition, third party air monitoring must be performed following the abatement.

The OSHA Asbestos standard for construction (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers is maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. States which administer their own Federally approved OSHA programs may require additional precautions.

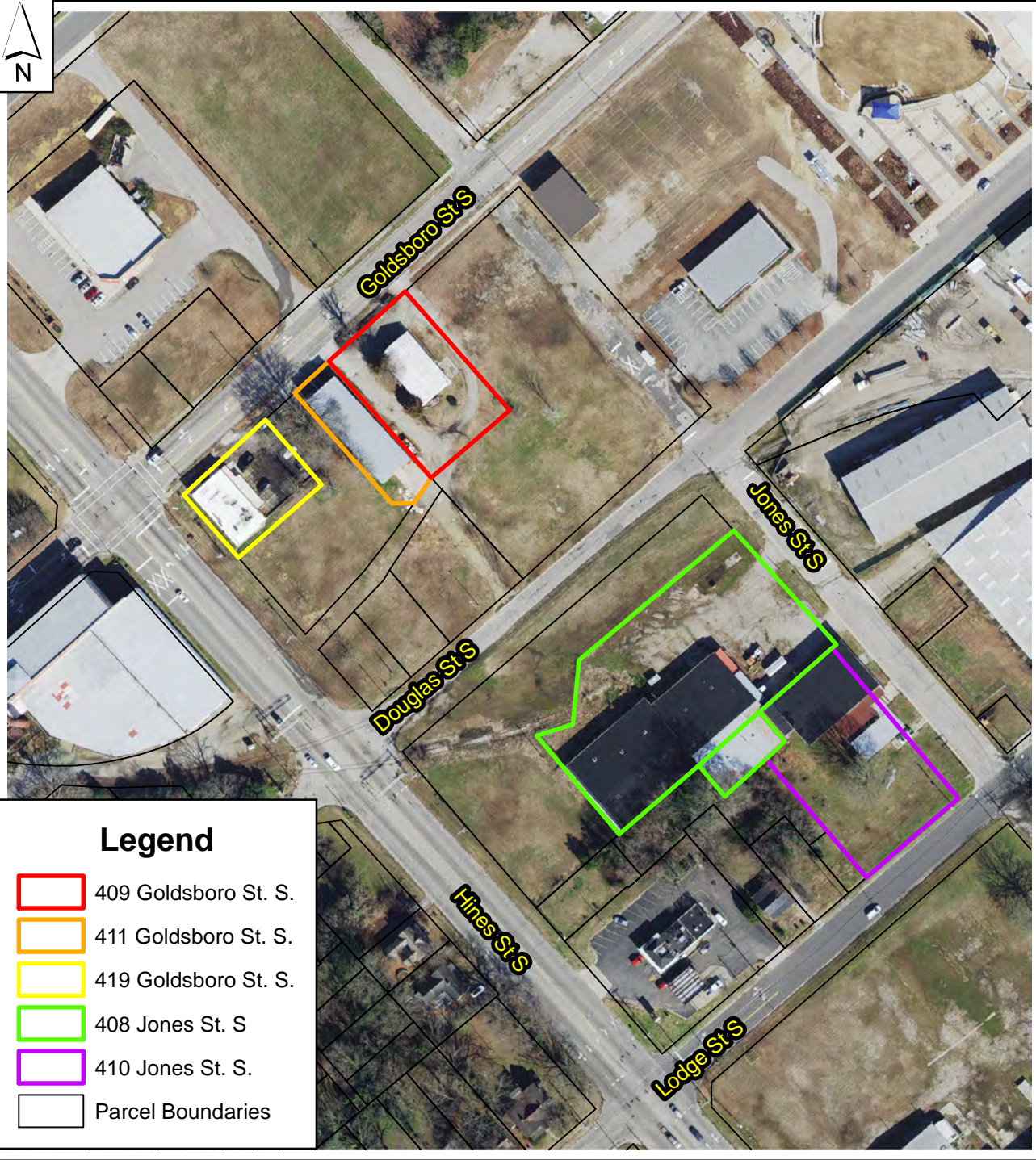
7.0 LIMITATIONS

The potential exists for additional suspect ACM to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for asbestos content prior to any renovation and/or demolition activities that could impact these materials.

This NESHAP asbestos survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, and recommendations expressed in this report are based on conditions observed during our survey. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by the City of Wilson for specific application to their project. This report is not a bidding document.

Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or any remediation deemed necessary. Mid-Atlantic does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, expressed or implied, is made.

DRAWINGS



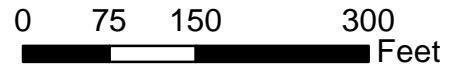
Legend

	409 Goldsboro St. S.
	411 Goldsboro St. S.
	419 Goldsboro St. S.
	408 Jones St. S.
	410 Jones St. S.
	Parcel Boundaries

REFERENCES:

1. 2021 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC FIELD NOTES AND SUMMARIZED DOCUMENTS

SCALE:1:2,000



SITE MAP
 409, 411, 419 GOLDSBORO ST. S.,
 408 JONES ST. S., 410 JONES ST. S.
 WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: MARCH 2024
DRAFT CHECK:	JOB NO: R3950.00
ENG. CHECK:	GIS NO: 04G-R3950.00-1
APPROVAL: DMM	DWG NO: 1





Goldsboro St. S



**Large Stone Pattern Sheet
Flooring over Yellow Mastic
(HA 409-5)**

Legend

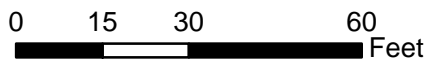
 Subject Property

 Parcel Boundaries

REFERENCES:

1. 2021 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC FIELD NOTES AND SUMMARIZED DOCUMENTS

SCALE:1:400



ACM LOCATION MAP
409 GOLDSBORO ST. S.
WILSON, NORTH CAROLINA

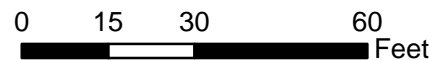
DRAWN BY: CAG	DATE: FEBRUARY 2024
DRAFT CHECK:	JOB NO: R3950.00
ENG. CHECK:	GIS NO: 04G-R3950.00-2
APPROVAL: DMM	DWG NO: 2



REFERENCES:

1. 2021 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC FIELD NOTES AND SUMMARIZED DOCUMENTS

SCALE:1:400





ACM LOCATION MAP
411 GOLDSBORO ST. S.
WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: FEBRUARY 2024
DRAFT CHECK:	JOB NO: R3950.00
ENG. CHECK:	GIS NO: 04G-R3950.00-3
APPROVAL: DMM	DWG NO: 3



Legend

 Subject Property

 Parcel Boundaries

REFERENCES:

1. 2021 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC FIELD NOTES AND SUMMARIZED DOCUMENTS

SCALE:1:400





ACM LOCATION MAP
419 GOLDSBORO ST. S.
WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: FEBRUARY 2024
DRAFT CHECK:	JOB NO: R3950.00
ENG. CHECK:	GIS NO: 04G-R3950.00-4
APPROVAL: DMM	DWG NO: 4



Legend

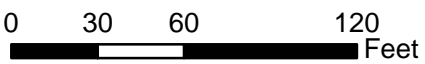
 Subject Property


 Parcel Boundaries

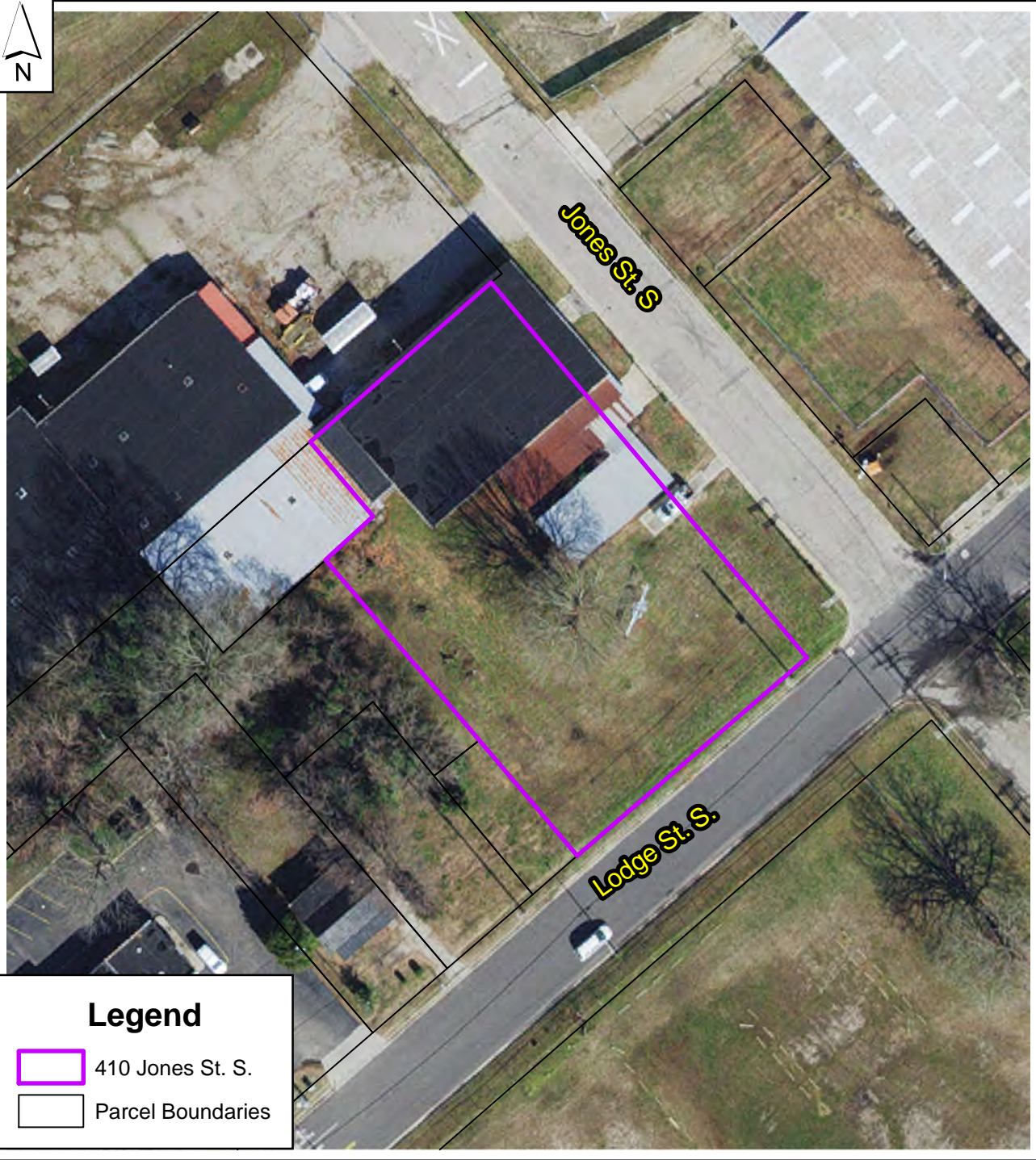
REFERENCES:

1. 2021 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC FIELD NOTES AND SUMMARIZED DOCUMENTS


SCALE:1:800




	ACM LOCATION MAP 408 JONES ST. S. WILSON, NORTH CAROLINA	DRAWN BY: CAG	DATE: FEBRUARY 2024
		DRAFT CHECK:	JOB NO: R3950.00
		ENG. CHECK:	GIS NO: 04G-R3950.00-5
		APPROVAL: DMM	DWG NO: 5



Legend

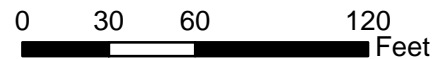
 410 Jones St. S.

 Parcel Boundaries

REFERENCES:

1. 2021 AERIAL IMAGERY FROM NC ONEMAP
2. COUNTY INFORMATION FROM WILSON COUNTY GIS
3. MID-ATLANTIC FIELD NOTES AND SUMMARIZED DOCUMENTS

SCALE:1:800



ACM LOCATION MAP
 410 JONES ST. S.
 WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: MARCH 2024
DRAFT CHECK:	JOB NO: R3950.00
ENG. CHECK:	GIS NO: 04G-R3950.00-6
APPROVAL: DMM	DWG NO: 6

APPENDIX A - ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
 License Number: (NC) 13317
 Survey Date: 2/15/2024

Project Name: 409 Goldsboro Street South
 Project Number: R3950.00
 Location: 409 Goldsboro Street South
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
409-1-1	Floral Pattern Sheet Flooring	Northern Entrance Area	Good	300 ft ²	Non-Friable	None Detected
409-1-2		Northern Entrance Area				None Detected
409-2-1	Gravel Pattern Sheet Flooring	Northern Entrance Hallway	Good	80 ft ²	Non-Friable	None Detected
409-2-2		Northern Entrance Hallway				None Detected
409-3-1	Popcorn Texture over Plywood	Main Warehouse Area	Good	900 ft ²	Friable	None Detected
409-3-2		Main Warehouse Area				None Detected
409-3-3		Main Warehouse Area				None Detected
409-4-1	Popcorn Texture over Wallboard	North Entrance Hallway	Good	1,000 ft ²	Friable	None Detected
409-4-2		North Entrance Hallway				None Detected
409-4-3		Warehouse Restroom				None Detected
409-5-1	Large Stone Pattern Sheet Flooring over Yellow Mastic	Warehouse Restroom	Good	60 ft ²	Non-Friable	Sheet Flooring: 20% Chrysotile Yellow Mastic: 2% Chrysotile
409-5-2		Warehouse Restroom				
409-6-1	Gray Roofing Mastic over Foam Insulation	Roof	Good	2,800 ft ²	Non-Friable	None Detected
409-6-2		Roof				None Detected

Bolded and Highlighted Text: Asbestos-Containing Material >1%

Condition: Based on a percentage of the building material remaining intact at time of survey

Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey

* Quantities are estimated.

NOTES:

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
 License Number: (NC) 13317
 Survey Date: 2/15/2024

Project Name: 411 Goldsboro Street South
 Project Number: R3950.00
 Location: 411 Goldsboro Street South
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
411-1-1	Wallboard & Joint Compound	Eastern Office Area	Good	700 ft ²	Friable	None Detected
411-1-2		Northern Office Area				None Detected
411-2-1	Popcorn Texture over Wallboard	Northern Office Area	Good	500 ft ²	Friable	None Detected
411-2-2		Central Office Area				None Detected
411-2-3		Eastern Office Area				None Detected
411-3-1	Silver Coating over Black Tar over Brick	Northern Roof Parapet Wall	Good	35 ft	Non-Friable	Silver Coating: 2% Chrysotile
411-3-2		Northern Roof Parapet Wall				Black Tar: 10% Chrysotile
411-3-3		Northern Roof Parapet Wall				Assumed >1% Chrysotile

Bolded and Highlighted Text: Asbestos-Containing Material >1%

Condition: Based on a percentage of the building material remaining intact at time of survey.

Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey.

* Quantities are estimated.

NOTES: Fiberglass pipe wrap insulation observed on the building's interior.

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
 License Number: (NC) 13317
 Survey Date: 2/15/2024

Project Name: 419 Goldsboro Street South
 Project Number: R3950.00
 Location: 419 Goldsboro Street South
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
419-1-1	12" x 12" Off-White with Blue Streaks Floor Tile over Tan Mastic	Main Area	Good	900 ft ²	Non-Friable	None Detected
419-1-2		Electrical Closet				None Detected
419-2-1	12" x 12" Black with White Streaks Floor Tile over Tan Mastic	Main Area	Good	1,000 ft	Non-Friable	None Detected
419-2-2		Electrical Closet				None Detected
419-3-1	Off-White Interior Window Frame Caulk	Main Area	Good	35 ft (1 Large Window)	Non-Friable	10% Chrysotile
419-3-2		Main Area				Assumed >1% Asbestos
419-4-1	Faux Hardwood Sheet Flooring over Tan Mastic	Northern Office Area	Good	60 ft ²	Non-Friable	None Detected
419-4-2		Northern Office Area				None Detected
419-5-1	Wallboard & Joint Compound	Northwest Office Area	Good	2,000 ft ²	Friable	None Detected
419-5-2		Electrical Closet				None Detected
419-6-1	Plaster	Northwest Office Area	Good	1,400 ft ²	Non-Friable	None Detected
419-6-2		Electrical Closet				None Detected
419-6-3		Main Area - East Wall				None Detected
419-6-4		Main Area - East Wall				None Detected
419-6-5		Main Area - East Wall				None Detected
419-7-1	4" Gray Covebase over Tan Mastic	Restroom	Good	200 ft	Non-Friable	None Detected
419-7-2		Electrical Closet				None Detected
419-8-1	12" x 12" White with Brown Streaks Floor Tile over Tan Mastic	Kitchen	Good	550 ft ²	Non-Friable	None Detected
419-8-2		Kitchen				None Detected
419-9-1	12" x 12" Light Blue with Blue Streaks Floor Tile over Tan Mastic	Rear Storage Area	Good	270 ft ²	Non-Friable	None Detected
419-9-2		Rear Storage Area				None Detected
419-10-1	Red Interior Firestop	Rear Storage Area	Good	2 ft	Non-Friable	None Detected
419-10-2		Rear Storage Area				None Detected
419-11-1	White Caulk over Gray Exterior Window Frame Caulk	Northern Exterior Window	Good	70 ft (2 Large Windows)	Non-Friable	White Caulk: None Detected Gray Caulk: 10% Chrysotile
419-11-2		Northern Exterior Window				Assumed >1% Asbestos
419-12-1	Red Exterior Firestop	Western Exterior	Good	2 ft	Non-Friable	None Detected
419-12-2		Western Exterior				None Detected
419-13-1	White Exterior Door Frame Caulk	Western Exterior	Good	160 ft (4 Doors)	Non-Friable	None Detected
419-13-2		Eastern Exterior				None Detected
419-14-1	Black Waterproofing	Southern Exterior	Good	35 ft	Friable	None Detected
419-14-2		Southern Exterior				None Detected
419-14-3		Southern Exterior				None Detected

Bolded and Highlighted Text: Asbestos-Containing Material >1%

Condition: Based on a percentage of the building material remaining intact at time of survey

Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey

* Quantities are estimated.

NOTES:

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
 License Number: (NC) 13317
 Survey Date: 2/15/2024

Project Name: 419 Goldsboro Street South
 Project Number: R3950.00
 Location: 419 Goldsboro Street South
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
419-15-1	White Exterior Window Glazing	Southern Exterior	Good	30 ft (2 Small Windows)	Friable	None Detected
419-15-2		Southern Exterior				None Detected
419-15-3		Southern Exterior				None Detected
419-16-1	Roof Flashing	Roof	Good	220 ft	Non-Friable	None Detected
419-16-2		Roof				None Detected
419-17-1	Roof Membrane	Roof	Good	3,000 ft ²	Non-Friable	None Detected
419-17-2		Roof				None Detected
419-18-1	Black Tar	Roof Parapet Wall	Good	170 ft	Non-Friable	10% Chrysotile
419-18-2		Roof Parapet Wall				Assumed >1% Asbestos
419-19-1	Black Penetration Caulk	Roof Penetration	Good	2 Penetrations	Non-Friable	None Detected
419-19-2		Roof Penetration				None Detected
419-20-1	White Roof Caulk	Roof Parapet Wall	Good	170 ft	Non-Friable	None Detected
419-20-2		Roof Parapet Wall				None Detected

Bolded and Highlighted Text: Asbestos-Containing Material >1%

Condition: Based on a percentage of the building material remaining intact at time of survey

Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey

* Quantities are estimated.

NOTES:

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
 License Number: (NC) 13317
 Survey Date: 2/16/2024

Project Name: 408 Jones Street South
 Project Number: R3950.00
 Location: 408 Jones Street South
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
408-1-1	Silver Coating over Metal	Northern Exterior	Damaged	4,500 ft ²	Friable	None Detected
408-1-2		Northern Exterior				None Detected
408-1-3		Northern Exterior				None Detected
408-1-4		Eastern Exterior				None Detected
408-1-5		Eastern Exterior				None Detected
408-1-6		Southern Exterior				None Detected
408-1-7		Southern Exterior				None Detected
408-2-1	White Exterior Window Frame Caulk	Eastern Exterior	Good	40 ft (4 Windows)	Non-Friable	None Detected
408-2-2		Eastern Exterior				None Detected
408-3-1	White Exterior Door Frame Caulk	Eastern Exterior	Good	40 ft (1 Door)	Non-Friable	None Detected
408-3-2		Eastern Exterior				None Detected
408-4-1	Silver Coating over Brick	Western Interior Wall	Damaged	650 ft ²	Friable	None Detected
408-4-2		Western Interior Wall				None Detected
408-4-3		Western Interior Wall				None Detected
408-5-1	2' x 2' Pinhole & Fissure Ceiling Tile	Northern Office Area	Good	160 ft ²	Non-Friable	None Detected
408-5-2		Northern Office Area				None Detected
408-6-1	Faux Hardwood Sheet Flooring over Clear Mastic	Northern Warehouse Restroom	Good	20 ft ²	Non-Friable	None Detected
408-6-2		Northern Warehouse Restroom				None Detected
408-7-1	Black Sink Coating	Northern Warehouse Area	Good	1 Sink	Friable	2% Chrysotile
408-7-2		Northern Warehouse Area				Assumed >1% Chrysotile
408-7-3		Northern Warehouse Area				Assumed >1% Chrysotile
408-8-1	9" x 9" Brown/Tan Floor Tile over Black Mastic	Northern Warehouse Closet	Damaged	20 ft ²	Non-Friable	Brown/Tan Floor Tile: 3% Chrysotile
408-8-2		Northern Warehouse Closet				Black Mastic: 2% Chrysotile
408-9-1	10" x 10" White Ceiling Tile	Northern Office Area	Good	650 ft ²	Non-Friable	None Detected
408-9-2		Northern Office Area				None Detected
408-10-1	2' x 2' Pinhole Ceiling Tile	Northern Office Area	Good	100 ft ²	Non-Friable	None Detected
408-10-2		Northern Office Area				None Detected

Bolded and Highlighted Text: Asbestos-Containing Material >1%

Condition: Based on a percentage of the building material remaining intact at time of survey

Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey

* Quantities are estimated.

NOTES:

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
 License Number: (NC) 13317
 Survey Date: 2/16/2024

Project Name: 408 Jones Street South
 Project Number: R3950.00
 Location: 408 Jones Street South
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
408-11-1	Tan/Brown Mastic over Off-White Backing Material over Tan/Yellow Mastic over 12" x 12" White/Off-White Floor Tile over Clear Mastic over Beige/Tan Floor Tile over Black Mastic over Black/Brown Tarpaper	Northern Office Area	Good	600 ft ²	Non-Friable	Tan/Brown Mastic: 2% Chrysotile Off-White/Cream Backing Material: 35% Chrysotile Tan/Yellow Mastic: 2% Chrysotile White/Off-White Floor Tile: 3% Chrysotile Clear Mastic: None Detected Beige/Tan Floor Tile: 3% Chrysotile Black Mastic: 2% Chrysotile Black/Brown Tarpaper: None Detected
408-11-2		Northern Office Area				Assumed >1% Chrysotile
408-12-1	White Square Patterned Sheet Flooring over Off-White Leveling Compound over Tan Sheet Flooring over Off-White Leveling Compound	Northern Office Restroom	Good	20 ft ²	Non-Friable	None Detected
408-12-2		Northern Office Restroom				None Detected
408-13-1	9" x 9" Brown/Tan Floor Tile over Black Mastic over Black/Brown Felt Paper	Northern Office Storage Room	Good	50 ft ²	Non-Friable	Brown/Tan Floor Tile: 3% Chrysotile Black Mastic: 2% Chrysotile Black/Brown Felt Paper: None Detected
408-13-2		Northern Office Storage Room				Assumed >1% Chrysotile
408-14-1	12" x 12" Blue Floor Tile over Tan Mastic	Eastern Entrance Room	Good	225 ft ²	Non-Friable	None Detected
408-14-2		Eastern Entrance Room				None Detected

Bolded and Highlighted Text: Asbestos-Containing Material >1%

Condition: Based on a percentage of the building material remaining intact at time of survey

Friability: Classification of building material's ability to become broken, crushed, or pulverized with hand pressure at time of survey

* Quantities are estimated.

NOTES: HA-11 located beneath carpet throughout majority of office area.

Roof was rubber membrane over fiberboard insulation over wood. No suspicious building materials observed on the roof

APPENDIX B - LABORATORY ANALYTICAL RESULTS

February 21, 2024

Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

CLIENT PROJECT: City of Wilson, R3950.00
CEI LAB CODE: B243401

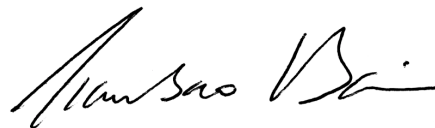
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on February 19, 2024. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

Mid-Atlantic Associates, Inc.

CLIENT PROJECT: City of Wilson, R3950.00

LAB CODE: B243401

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 02/21/24

TOTAL SAMPLES ANALYZED: 129

SAMPLES >1% ASBESTOS: 23



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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: City of Wilson, R3950.00

LAB CODE: B243401

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
409-1-1		B243401.001	Floral Pattern	Sheet Flooring	None Detected
409-1-2		B243401.002	Floral Pattern	Sheet Flooring	None Detected
409-2-1		B243401.003	Gravel Pattern	Sheet Flooring	None Detected
409-2-2		B243401.004	Gravel Pattern	Sheet Flooring	None Detected
409-3-1		B243401.005	White	Popcorn Texture	None Detected
409-3-2		B243401.006	White	Popcorn Texture	None Detected
409-3-3		B243401.007	White	Popcorn Texture	None Detected
409-4-1	Layer 1	B243401.008	White	Popcorn Texture	None Detected
	Layer 2	B243401.008	Gray,Brown	Wallboard	None Detected
409-4-2	Layer 1	B243401.009	White	Popcorn Texture	None Detected
	Layer 2	B243401.009	Gray,Brown	Wallboard	None Detected
409-4-3	Layer 1	B243401.010	White	Popcorn Texture	None Detected
	Layer 2	B243401.010	Gray,Brown	Wallboard	None Detected
409-5-1		B243401.011A	Large Stone Pattern	Sheet Flooring	Chrysotile 20%
		B243401.011B	Yellow	Mastic	Chrysotile 2%
409-5-2		B243401.012		Sample Not Analyzed per COC	
409-6-1	Layer 1	B243401.013	Gray	Roofing Mastic	None Detected
	Layer 2	B243401.013	Yellow	Foam Insulation	None Detected
409-6-2	Layer 1	B243401.014	Gray	Roofing Mastic	None Detected
	Layer 2	B243401.014	Yellow	Foam Insulation	None Detected
411-1-1		B243401.015	White	Wallboard/Joint Compound	None Detected
411-1-2		B243401.016	White	Wallboard/Joint Compound	None Detected
411-2-1	Layer 1	B243401.017	White	Popcorn Texture	None Detected
	Layer 2	B243401.017	Gray,Brown	Wallboard	None Detected
411-2-2	Layer 1	B243401.018	White	Popcorn Texture	None Detected
	Layer 2	B243401.018	Gray,Brown	Wallboard	None Detected
411-2-3	Layer 1	B243401.019	White	Popcorn Texture	None Detected
	Layer 2	B243401.019	Gray,Brown	Wallboard	None Detected
411-3-1	Layer 1	B243401.020	Silver	Coating	Chrysotile 2%
	Layer 2	B243401.020	Black	Tar	Chrysotile 10%



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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: City of Wilson, R3950.00

LAB CODE: B243401

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
411-3-2		B243401.021		Sample Not Analyzed per COC	
411-3-3		B243401.022		Sample Not Analyzed per COC	
419-1-1		B243401.023A	Off-white,Blue Streaks	Floor Tile	None Detected
		B243401.023B	Tan	Mastic	None Detected
419-1-2		B243401.024A	Off-white,Blue Streaks	Floor Tile	None Detected
		B243401.024B	Tan	Mastic	None Detected
419-2-1		B243401.025A	Black,White Streaks	Floor Tile	None Detected
		B243401.025B	Tan	Mastic	None Detected
419-2-2		B243401.026A	Black,White Streaks	Floor Tile	None Detected
		B243401.026B	Tan	Mastic	None Detected
419-3-1		B243401.027	Off-white	Interior Window Caulk	Chrysotile 10%
419-3-2		B243401.028		Sample Not Analyzed per COC	
419-4-1		B243401.029A	Faux Hardwood	Sheet Flooring	None Detected
		B243401.029B	Tan	Mastic	None Detected
419-4-2		B243401.030A	Faux Hardwood	Sheet Flooring	None Detected
		B243401.030B	Tan	Mastic	None Detected
419-5-1		B243401.031	White	Wallboard/Joint Compound	None Detected
419-5-2		B243401.032	White	Wallboard/Joint Compound	None Detected
419-6-1	Layer 1	B243401.033	White	Plaster Skim Coat	None Detected
	Layer 2	B243401.033	Gray	Plaster Base Coat	None Detected
419-6-2		B243401.034	White	Plaster	None Detected
419-6-3		B243401.035	White	Plaster	None Detected
419-6-4	Layer 1	B243401.036	White	Plaster Skim Coat	None Detected
	Layer 2	B243401.036	Gray	Plaster Base Coat	None Detected
419-6-5	Layer 1	B243401.037	White	Plaster Skim Coat	None Detected
	Layer 2	B243401.037	Gray	Plaster Base Coat	None Detected
419-7-1		B243401.038A	Gray	Covebase	None Detected
		B243401.038B	Tan	Mastic	None Detected



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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: City of Wilson, R3950.00

LAB CODE: B243401

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
419-7-2		B243401.039A	Gray	Covebase	None Detected
		B243401.039B	Tan	Mastic	None Detected
419-8-1		B243401.040A	White,Brown Streaks	Floor Tile	None Detected
		B243401.040B	Tan	Mastic	None Detected
419-8-2		B243401.041A	White,Brown Streaks	Floor Tile	None Detected
		B243401.041B	Tan	Mastic	None Detected
419-9-1		B243401.042A	Light Blue,Blue Streaks	Floor Tile	None Detected
		B243401.042B	Tan	Mastic	None Detected
419-9-2		B243401.043A	Light Blue,Blue Streaks	Floor Tile	None Detected
		B243401.043B	Tan	Mastic	None Detected
419-10-1		B243401.044	Red	Interior Firestop	None Detected
419-10-2		B243401.045	Red	Interior Firestop	None Detected
419-11-1	Layer 1	B243401.046	White	Exterior Window Frame Caulk	None Detected
	Layer 2	B243401.046	Gray	Exterior Window Frame Caulk	Chrysotile 10%
419-11-2		B243401.047		Sample Not Analyzed per COC	
419-12-1		B243401.048	Red	Exterior Firestop	None Detected
419-12-2		B243401.049	Red	Exterior Firestop	None Detected
419-13-1		B243401.050	White	Exterior Door Frame Caulk	None Detected
419-13-2		B243401.051	White	Exterior Door Frame Caulk	None Detected
419-14-1		B243401.052	Black	Waterproofing	None Detected
419-14-2		B243401.053	Black	Waterproofing	None Detected
419-14-3		B243401.054	Black	Waterproofing	None Detected
419-15-1		B243401.055	White	Exterior Window Glazing	None Detected
419-15-2		B243401.056	White	Exterior Window Glazing	None Detected
419-15-3		B243401.057	White	Exterior Window Glazing	None Detected
419-16-1	Layer 1	B243401.058	White,Gray	Roof Flashing - Membrane	None Detected
	Layer 2	B243401.058	Gray	Roof Flashing - Paper	None Detected
	Layer 3	B243401.058	Yellow	Roof Flashing - Foam	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: City of Wilson, R3950.00

LAB CODE: B243401

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
419-16-2	Layer 1	B243401.059	White,Gray	Roof Flashing - Membrane	None Detected
	Layer 2	B243401.059	Gray	Roof Flashing - Paper	None Detected
	Layer 3	B243401.059	Yellow	Roof Flashing - Foam	None Detected
419-17-1	Layer 1	B243401.060	White,Gray	Roof Membrane - Membrane	None Detected
	Layer 2	B243401.060	Gray	Roof Membrane - Paper	None Detected
	Layer 3	B243401.060	Yellow	Roof Membrane - Foam	None Detected
419-17-2	Layer 1	B243401.061	White,Gray	Roof Membrane - Membrane	None Detected
	Layer 2	B243401.061	Gray	Roof Membrane - Paper	None Detected
	Layer 3	B243401.061	Yellow	Roof Membrane - Foam	None Detected
419-18-1		B243401.062	Black	Tar	Chrysotile 10%
419-18-2		B243401.063		Sample Not Analyzed per COC	
419-19-1		B243401.064	Black	Penetration Caulk	None Detected
419-19-2		B243401.065	Black	Penetration Caulk	None Detected
419-20-1		B243401.066	White	Roof Caulk	None Detected
419-20-2		B243401.067	White	Roof Caulk	None Detected
408-1-1		B243401.068	Silver	Coating	None Detected
408-1-2		B243401.069	Silver	Coating	None Detected
408-1-3		B243401.070	Silver	Coating	None Detected
408-1-4		B243401.071	Silver	Coating	None Detected
408-1-5		B243401.072	Silver	Coating	None Detected
408-1-6		B243401.073	Silver	Coating	None Detected
408-1-7		B243401.074	Silver	Coating	None Detected
408-2-1		B243401.075	Off-white,White	Window Caulking	None Detected
408-2-2		B243401.076	Off-white,White	Window Caulking	None Detected
408-3-1		B243401.077	Off-white,White	Door Caulking	None Detected
408-3-2		B243401.078	Off-white,White	Door Caulking	None Detected
408-4-1		B243401.079	Silver	Coating	None Detected
408-4-2		B243401.080	Silver	Coating	None Detected
408-4-3		B243401.081	Silver	Coating	None Detected
408-5-1		B243401.082	Off-white,Gray	Ceiling Tile	None Detected
408-5-2		B243401.083	Off-white,Gray	Ceiling Tile	None Detected



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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: City of Wilson, R3950.00

LAB CODE: B243401

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
408-6-1		B243401.084A	Brown,Off-white	Sheet Flooring	None Detected
		B243401.084B	Clear	Mastic	None Detected
408-6-2		B243401.085A	Brown,Off-white	Sheet Flooring	None Detected
		B243401.085B	Clear	Mastic	None Detected
408-7-1		B243401.086	Black	Sink Coating	Chrysotile 2%
408-7-2		B243401.087		Sample Not Analyzed per COC	
408-7-3		B243401.088		Sample Not Analyzed per COC	
408-8-1		B243401.089A	Brown,Tan	Floor Tile	Chrysotile 3%
		B243401.089B	Black	Mastic	Chrysotile 2%
408-8-2		B243401.090		Sample Not Analyzed per COC	
408-9-1		B243401.091	Off-white,Brown	Ceiling Tile	None Detected
408-9-2		B243401.092	Off-white,Brown	Ceiling Tile	None Detected
408-10-1		B243401.093	Off-white,Gray	Ceiling Tile	None Detected
408-10-2		B243401.094	Off-white,Gray	Ceiling Tile	None Detected
408-11-1	Layer 1	B243401.095A	Tan,Brown	Mastic	Chrysotile 2%
	Layer 2	B243401.095A	Off-white, Cream	Backing Material	Chrysotile 35%
	Layer 3	B243401.095A	Tan,Yellow	Mastic	Chrysotile 2%
	Layer 4	B243401.095A	White,Off-white	Floor Tile	Chrysotile 3%
		B243401.095B	Clear	Mastic	None Detected
		B243401.095C	Beige,Tan	Floor Tile	Chrysotile 3%
	Layer 1	B243401.095D	Black	Mastic	Chrysotile 2%
	Layer 2	B243401.095D	Black,Brown	Tarpaper	None Detected
408-11-2		B243401.096A		Sample Not Analyzed per COC	
		B243401.096B	Clear	Mastic	None Detected
		B243401.096C		Sample Not Analyzed per COC	
		B243401.096D		Sample Not Analyzed per COC	
408-12-1		B243401.097A	White,Cream	Sheet Flooring	None Detected
		B243401.097B	Off-white,Gray	Mastic/ Leveling Compound	None Detected
		B243401.097C	Tan,Cream	Sheet Flooring	None Detected
		B243401.097D	Off-white,Gray	Mastic/ Leveling Compound	None Detected



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Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: City of Wilson, R3950.00

LAB CODE: B243401

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
408-12-2		B243401.098A	White,Cream	Sheet Flooring	None Detected
		B243401.098B	Off-white,Gray	Mastic/ Leveling Compound	None Detected
		B243401.098C	Tan,Cream	Sheet Flooring	None Detected
		B243401.098D	Off-white,Gray	Mastic/ Leveling Compound	None Detected
408-13-1		B243401.099A	Brown,Tan	Floor Tile	Chrysotile 3%
	Layer 1	B243401.099B	Black	Mastic	Chrysotile 2%
	Layer 2	B243401.099B	Black,Brown	Felt Paper	None Detected
408-13-2		B243401.100		Sample Not Analyzed per COC	
408-14-1		B243401.101A	Blue,Navy	Floor Tile	None Detected
		B243401.101B	Tan,Brown	Mastic	None Detected
408-14-2		B243401.102A	Blue,Navy	Floor Tile	None Detected
		B243401.102B	Tan,Brown	Mastic	None Detected
310-1-1		B243401.103A	Blue,Navy	Floor Tile	None Detected
		B243401.103B	Black	Mastic	Chrysotile 2%
310-1-2		B243401.104A	Blue,Navy	Floor Tile	None Detected
		B243401.104B		Sample Not Analyzed per COC	
310-2-1		B243401.105	Off-white,White	Wallboard/Joint Compound	None Detected
310-2-2		B243401.106	Off-white,White	Wallboard/Joint Compound	None Detected
310-3-1		B243401.107A	Tan,Beige	Covebase	None Detected
	Layer 1	B243401.107B	Off-white, Cream	Mastic	None Detected
	Layer 2	B243401.107B	Off-white,White	Mud	None Detected
310-3-2		B243401.108A	Tan,Beige	Covebase	None Detected
	Layer 1	B243401.108B	Off-white, Cream	Mastic	None Detected
	Layer 2	B243401.108B	Off-white,White	Mud	None Detected
310-4-1		B243401.109	Off-white,Gray	Ceiling Tile	None Detected
310-4-2		B243401.110	Off-white,Gray	Ceiling Tile	None Detected
310-5-1		B243401.111	White,Off-white	HVAC Mastic	None Detected
310-5-2		B243401.112	White,Off-white	HVAC Mastic	None Detected
310-6-1		B243401.113	Black	Fire Stop	Chrysotile 7%
310-6-2		B243401.114		Sample Not Analyzed per COC	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
 409 Rogers View Court
 Raleigh, NC 27610

Lab Code: B243401
Date Received: 02-19-24
Date Analyzed: 02-21-24
Date Reported: 02-21-24

Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
409-1-1 B243401.001	Sheet Flooring	Heterogeneous Floral Pattern Fibrous Bound	100%	Vinyl		None Detected
Samples B243401.001 - B243401.067 analyzed by R.Steele.						
409-1-2 B243401.002	Sheet Flooring	Heterogeneous Floral Pattern Fibrous Bound	100%	Vinyl		None Detected
409-2-1 B243401.003	Sheet Flooring	Heterogeneous Gravel Pattern Fibrous Bound	50%	Cellulose	50%	Vinyl None Detected
409-2-2 B243401.004	Sheet Flooring	Heterogeneous Gravel Pattern Fibrous Bound	50%	Cellulose	50%	Vinyl None Detected
409-3-1 B243401.005	Popcorn Texture	Heterogeneous White Non-fibrous Bound	50%	Binder	30% 20%	Calc Carb Vermiculite None Detected
409-3-2 B243401.006	Popcorn Texture	Heterogeneous White Non-fibrous Bound	50%	Binder	30% 20%	Calc Carb Vermiculite None Detected
409-3-3 B243401.007	Popcorn Texture	Heterogeneous White Non-fibrous Bound	50%	Binder	30% 20%	Calc Carb Vermiculite None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
 409 Rogers View Court
 Raleigh, NC 27610

Lab Code: B243401
Date Received: 02-19-24
Date Analyzed: 02-21-24
Date Reported: 02-21-24

Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
409-4-1 Layer 1 B243401.008	Popcorn Texture	Heterogeneous	50%	Binder	30%	Calc Carb	None Detected
		White	30%	Calc Carb	20%	Vermiculite	
		Non-fibrous	20%	Vermiculite			
		Bound					
Layer 2 B243401.008	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray,Brown					
		Fibrous					
		Bound					
409-4-2 Layer 1 B243401.009	Popcorn Texture	Heterogeneous	50%	Binder	30%	Calc Carb	None Detected
		White	30%	Calc Carb	20%	Vermiculite	
		Non-fibrous	20%	Vermiculite			
		Bound					
Layer 2 B243401.009	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray,Brown					
		Fibrous					
		Bound					
409-4-3 Layer 1 B243401.010	Popcorn Texture	Heterogeneous	50%	Binder	30%	Calc Carb	None Detected
		White	30%	Calc Carb	20%	Vermiculite	
		Non-fibrous	20%	Vermiculite			
		Bound					
Layer 2 B243401.010	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray,Brown					
		Fibrous					
		Bound					
409-5-1 B243401.011A	Sheet Flooring	Heterogeneous	30%	Cellulose	50%	Vinyl	20% Chrysotile
		Large Stone					
		Pattern					
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
 409 Rogers View Court
 Raleigh, NC 27610

Lab Code: B243401
Date Received: 02-19-24
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Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B243401.011B	Mastic	Homogeneous Yellow Non-fibrous Bound	98%	Mastic	2% Chrysotile
Analyst opinion: Contamination from adjacent sheet flooring.					
409-5-2 B243401.012	Sample Not Analyzed per COC				
409-6-1 Layer 1 B243401.013	Roofing Mastic	Homogeneous Gray Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 B243401.013	Foam Insulation	Homogeneous Yellow Non-fibrous Bound	100%	Foam	None Detected
409-6-2 Layer 1 B243401.014	Roofing Mastic	Homogeneous Gray Non-fibrous Bound	100%	Mastic	None Detected
Layer 2 B243401.014	Foam Insulation	Homogeneous Yellow Non-fibrous Bound	100%	Foam	None Detected
411-1-1 B243401.015	Wallboard/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose 75% Gypsum 10% Calc Carb	None Detected
411-1-2 B243401.016	Wallboard/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose 75% Gypsum 10% Calc Carb	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
411-2-1 Layer 1 B243401.017	Popcorn Texture	Heterogeneous	50%	Binder	None Detected		
		White	30%	Calc Carb			
		Non-fibrous	20%	Foam			
		Bound					
Layer 2 B243401.017	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray,Brown					
		Fibrous					
		Bound					
411-2-2 Layer 1 B243401.018	Popcorn Texture	Heterogeneous	50%	Binder	None Detected		
		White	30%	Calc Carb			
		Non-fibrous	20%	Foam			
		Bound					
Layer 2 B243401.018	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray,Brown					
		Fibrous					
		Bound					
411-2-3 Layer 1 B243401.019	Popcorn Texture	Heterogeneous	50%	Binder	None Detected		
		White	30%	Calc Carb			
		Non-fibrous	20%	Foam			
		Bound					
Layer 2 B243401.019	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		Gray,Brown					
		Fibrous					
		Bound					
411-3-1 Layer 1 B243401.020	Coating	Homogeneous	78%	Paint	2% Chrysotile		
		Silver	20%	Tar			
		Non-fibrous					
		Bound					

Analyst opinion: Possible contamination from adjacent tar.

ASBESTOS BULK ANALYSIS

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Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 B243401.020	Tar	Homogeneous Black Non-fibrous Bound	90%	Tar	10% Chrysotile
411-3-2 B243401.021	Sample Not Analyzed per COC				
411-3-3 B243401.022	Sample Not Analyzed per COC				
419-1-1 B243401.023A	Floor Tile	Homogeneous Off-white,Blue Streaks Non-fibrous Tightly Bound	100%	Vinyl	None Detected
B243401.023B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-1-2 B243401.024A	Floor Tile	Homogeneous Off-white,Blue Streaks Non-fibrous Tightly Bound	100%	Vinyl	None Detected
B243401.024B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-2-1 B243401.025A	Floor Tile	Homogeneous Black,White Streaks Non-fibrous Tightly Bound	100%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

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Date Analyzed: 02-21-24
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Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B243401.025B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-2-2 B243401.026A	Floor Tile	Homogeneous Black,White Streaks Non-fibrous Tightly Bound	100%	Vinyl	None Detected
B243401.026B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-3-1 B243401.027	Interior Window Caulk	Homogeneous Off-white Non-fibrous Bound	90%	Caulk	10% Chrysotile
419-3-2 B243401.028	Sample Not Analyzed per COC				
419-4-1 B243401.029A	Sheet Flooring	Homogeneous Faux Hardwood Fibrous Bound	10%	Fiberglass	90% Vinyl None Detected
B243401.029B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-4-2 B243401.030A	Sheet Flooring	Homogeneous Faux Hardwood Fibrous Bound	10%	Fiberglass	90% Vinyl None Detected

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Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B243401.030B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-5-1 B243401.031	Wallboard/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose 73% Gypsum 10% Calc Carb 2% Paint	None Detected
419-5-2 B243401.032	Wallboard/Joint Compound	Heterogeneous White Fibrous Bound	15%	Cellulose 73% Gypsum 10% Calc Carb 2% Paint	None Detected
419-6-1 Layer 1 B243401.033	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound		78% Binder 20% Calc Carb 2% Paint	None Detected
Layer 2 B243401.033	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound		70% Silicates 30% Binder	None Detected
419-6-2 B243401.034	Plaster	Heterogeneous White Non-fibrous Bound		78% Binder 20% Calc Carb 2% Paint	None Detected
419-6-3 B243401.035	Plaster	Heterogeneous White Non-fibrous Bound		78% Binder 20% Calc Carb 2% Paint	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS		ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous	%
419-6-4 Layer 1 B243401.036	Plaster Skim Coat	Heterogeneous	78%	Binder	None Detected
		White	20%	Calc Carb	
		Non-fibrous	2%	Paint	
		Bound			
Layer 2 B243401.036	Plaster Base Coat	Homogeneous	70%	Silicates	None Detected
		Gray	30%	Binder	
		Non-fibrous			
		Bound			
419-6-5 Layer 1 B243401.037	Plaster Skim Coat	Heterogeneous	78%	Binder	None Detected
		White	20%	Calc Carb	
		Non-fibrous	2%	Paint	
		Bound			
Layer 2 B243401.037	Plaster Base Coat	Homogeneous	70%	Silicates	None Detected
		Gray	30%	Binder	
		Non-fibrous			
		Bound			
419-7-1 B243401.038A	Covebase	Homogeneous	100%	Vinyl	None Detected
		Gray			
		Non-fibrous			
		Bound			
B243401.038B	Mastic	Homogeneous	100%	Mastic	None Detected
		Tan			
		Non-fibrous			
		Bound			
419-7-2 B243401.039A	Covebase	Homogeneous	100%	Vinyl	None Detected
		Gray			
		Non-fibrous			
		Bound			

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B243401.039B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-8-1 B243401.040A	Floor Tile	Homogeneous White,Brown Streaks Non-fibrous Tightly Bound	100%	Vinyl	None Detected
B243401.040B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-8-2 B243401.041A	Floor Tile	Homogeneous White,Brown Streaks Non-fibrous Tightly Bound	100%	Vinyl	None Detected
B243401.041B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
419-9-1 B243401.042A	Floor Tile	Homogeneous Light Blue,Blue Streaks Non-fibrous Tightly Bound	100%	Vinyl	None Detected
B243401.042B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
419-9-2 B243401.043A	Floor Tile	Homogeneous Light Blue,Blue Streaks Non-fibrous Tightly Bound	100%	Vinyl		None Detected
B243401.043B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic		None Detected
419-10-1 B243401.044	Interior Firestop	Homogeneous Red Fibrous Bound	10%	Fiberglass	90%	Caulk None Detected
419-10-2 B243401.045	Interior Firestop	Homogeneous Red Fibrous Bound	10%	Fiberglass	90%	Caulk None Detected
419-11-1 Layer 1 B243401.046	Exterior Window Frame Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk		None Detected
Layer 2 B243401.046	Exterior Window Frame Caulk	Homogeneous Gray Non-fibrous Bound	90%	Caulk		10% Chrysotile
419-11-2 B243401.047	Sample Not Analyzed per COC					
419-12-1 B243401.048	Exterior Firestop	Homogeneous Red Non-fibrous Bound	100%	Caulk		None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
419-12-2 B243401.049	Exterior Firestop	Homogeneous Red Non-fibrous Bound	100%		Caulk		None Detected
419-13-1 B243401.050	Exterior Door Frame Caulk	Homogeneous White Non-fibrous Bound	100%		Caulk		None Detected
419-13-2 B243401.051	Exterior Door Frame Caulk	Homogeneous White Non-fibrous Bound	100%		Caulk		None Detected
419-14-1 B243401.052	Waterproofing	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
419-14-2 B243401.053	Waterproofing	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
419-14-3 B243401.054	Waterproofing	Homogeneous Black Fibrous Bound	5%	Cellulose	95%	Tar	None Detected
419-15-1 B243401.055	Exterior Window Glazing	Homogeneous White Non-fibrous Bound	80%		Binder		None Detected
			20%		Calc Carb		

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous	Non-Fibrous		
419-15-2 B243401.056	Exterior Window Glazing	Homogeneous	80%	Binder	None Detected	
		White Non-fibrous Bound	20%	Calc Carb		
419-15-3 B243401.057	Exterior Window Glazing	Homogeneous	80%	Binder	None Detected	
		White Non-fibrous Bound	20%	Calc Carb		
419-16-1 Layer 1 B243401.058	Roof Flashing - Membrane	Homogeneous	20%	Synthetic Fiber 80%	Rubber	None Detected
		White, Gray Fibrous Bound				
Layer 2 B243401.058	Roof Flashing - Paper	Homogeneous	100%	Cellulose		None Detected
		Gray Fibrous Bound				
Layer 3 B243401.058	Roof Flashing - Foam	Homogeneous		100%	Foam	None Detected
		Yellow Non-fibrous Bound				
419-16-2 Layer 1 B243401.059	Roof Flashing - Membrane	Homogeneous	20%	Synthetic Fiber 80%	Rubber	None Detected
		White, Gray Fibrous Bound				
Layer 2 B243401.059	Roof Flashing - Paper	Homogeneous	100%	Cellulose		None Detected
		Gray Fibrous Bound				



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ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 3 B243401.059	Roof Flashing - Foam	Homogeneous Yellow Non-fibrous Bound	100%	Foam	None Detected
419-17-1 Layer 1 B243401.060	Roof Membrane - Membrane	Homogeneous White, Gray Fibrous Bound	20%	Synthetic Fiber 80% Rubber	None Detected
Layer 2 B243401.060	Roof Membrane - Paper	Homogeneous Gray Fibrous Bound	100%	Cellulose	None Detected
Layer 3 B243401.060	Roof Membrane - Foam	Homogeneous Yellow Non-fibrous Bound	100%	Foam	None Detected
419-17-2 Layer 1 B243401.061	Roof Membrane - Membrane	Homogeneous White, Gray Fibrous Bound	20%	Synthetic Fiber 80% Rubber	None Detected
Layer 2 B243401.061	Roof Membrane - Paper	Homogeneous Gray Fibrous Bound	100%	Cellulose	None Detected
Layer 3 B243401.061	Roof Membrane - Foam	Homogeneous Yellow Non-fibrous Bound	100%	Foam	None Detected

ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
419-18-1 B243401.062	Tar	Homogeneous Black Fibrous Bound	90%	Tar			10% Chrysotile
419-18-2 B243401.063	Sample Not Analyzed per COC						
419-19-1 B243401.064	Penetration Caulk	Homogeneous Black Non-fibrous Bound	100%	Caulk			None Detected
419-19-2 B243401.065	Penetration Caulk	Homogeneous Black Non-fibrous Bound	100%	Caulk			None Detected
419-20-1 B243401.066	Roof Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk			None Detected
419-20-2 B243401.067	Roof Caulk	Homogeneous White Non-fibrous Bound	100%	Caulk			None Detected
408-1-1 B243401.068	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
Samples B243401.068-B243401.143 analyzed by S. Nicolella.							
408-1-2 B243401.069	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
408-1-3 B243401.070	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-1-4 B243401.071	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-1-5 B243401.072	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-1-6 B243401.073	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-1-7 B243401.074	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-2-1 B243401.075	Window Caulking	Heterogeneous Off-white, White Non-fibrous Bound	2%	Cellulose	5% 93%	Paint Caulk	None Detected
408-2-2 B243401.076	Window Caulking	Heterogeneous Off-white, White Non-fibrous Bound	2%	Cellulose	5% 93%	Paint Caulk	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
408-3-1 B243401.077	Door Caulking	Heterogeneous Off-white, White Non-fibrous Bound	2%	Cellulose	5%	Paint 93% Caulk	None Detected
408-3-2 B243401.078	Door Caulking	Heterogeneous Off-white, White Non-fibrous Bound	2%	Cellulose	5%	Paint 93% Caulk	None Detected
408-4-1 B243401.079	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-4-2 B243401.080	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-4-3 B243401.081	Coating	Homogeneous Silver Non-fibrous Bound	2%	Cellulose	98%	Binder	None Detected
408-5-1 B243401.082	Ceiling Tile	Heterogeneous Off-white, Gray Fibrous Bound	55% 15% 10%	Cellulose Fiberglass Mineral Wool	15% 5%	Perlite Paint	None Detected
408-5-2 B243401.083	Ceiling Tile	Heterogeneous Off-white, Gray Fibrous Bound	55% 15% 10%	Cellulose Fiberglass Mineral Wool	15% 5%	Perlite Paint	None Detected

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
408-6-1 B243401.084A	Sheet Flooring	Heterogeneous	<1%	Cellulose	50%	Vinyl	None Detected
		Brown,Off-white Fibrous Bound	15%	Fiberglass	35%	Foam	
B243401.084B	Mastic	Homogeneous Clear Non-fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
408-6-2 B243401.085A	Sheet Flooring	Heterogeneous	<1%	Cellulose	50%	Vinyl	None Detected
		Brown,Off-white Fibrous Bound	15%	Fiberglass	35%	Foam	
B243401.085B	Mastic	Homogeneous Clear Non-fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
408-7-1 B243401.086	Sink Coating	Heterogeneous	<1%	Cellulose	15%	Silicates	2% Chrysotile
		Black Non-fibrous Bound			83%	Binder	
408-7-2 B243401.087	Sample Not Analyzed per COC						
408-7-3 B243401.088	Sample Not Analyzed per COC						
408-8-1 B243401.089A	Floor Tile	Homogeneous	<1%	Cellulose	97%	Vinyl	3% Chrysotile
		Brown,Tan Non-fibrous Tightly Bound					

ASBESTOS BULK ANALYSIS

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Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
B243401.089B	Mastic	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	98%	Mastic	2% Chrysotile
408-8-2 B243401.090	Sample Not Analyzed per COC						
408-9-1 B243401.091	Ceiling Tile	Heterogeneous Off-white,Brown Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
408-9-2 B243401.092	Ceiling Tile	Heterogeneous Off-white,Brown Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
408-10-1 B243401.093	Ceiling Tile	Heterogeneous Off-white,Gray Fibrous Bound	55% 15% 10%	Cellulose Fiberglass Mineral Wool	5% 15%	Paint Perlite	None Detected
408-10-2 B243401.094	Ceiling Tile	Heterogeneous Off-white,Gray Fibrous Bound	55% 15% 10%	Cellulose Fiberglass Mineral Wool	5% 15%	Paint Perlite	None Detected
408-11-1 Layer 1 B243401.095A	Mastic	Homogeneous Tan,Brown Non-fibrous Bound	3%	Cellulose	95%	Mastic	2% Chrysotile
Analyst Opinion: Cross-contamination from adjacent backing material							
Layer 2 B243401.095A	Backing Material	Homogeneous Off-white,Cream Fibrous Bound	65%	Cellulose			35% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
 409 Rogers View Court
 Raleigh, NC 27610

Lab Code: B243401
Date Received: 02-19-24
Date Analyzed: 02-21-24
Date Reported: 02-21-24

Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
Layer 3 B243401.095A	Mastic	Homogeneous Tan, Yellow Non-fibrous Bound	3%	Cellulose	95%	Mastic	2% Chrysotile
Analyst Opinion: Cross-contamination from adjacent backing material							
Layer 4 B243401.095A	Floor Tile	Homogeneous White, Off-white Non-fibrous Tightly Bound	<1%	Cellulose	97%	Vinyl	3% Chrysotile
B243401.095B	Mastic	Homogeneous Clear Non-fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
B243401.095C	Floor Tile	Homogeneous Beige, Tan Non-fibrous Tightly Bound	<1%	Cellulose	97%	Vinyl	3% Chrysotile
Layer 1 B243401.095D	Mastic	Homogeneous Black Non-fibrous Bound	2%	Cellulose	96%	Mastic	2% Chrysotile
Layer 2 B243401.095D	Tarpaper	Homogeneous Black, Brown Fibrous Bound	70%	Cellulose	30%	Tar	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B243401
Date Received: 02-19-24
Date Analyzed: 02-21-24
Date Reported: 02-21-24

Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous	Non-Fibrous			%
408-11-2 B243401.096A	Sample Not Analyzed per COC						
B243401.096B	Mastic	Homogeneous Clear Non-fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
B243401.096C	Sample Not Analyzed per COC						
B243401.096D	Sample Not Analyzed per COC						
408-12-1 B243401.097A	Sheet Flooring	Heterogeneous White, Cream Fibrous Bound	35%	Cellulose	50%	Vinyl	None Detected
			15%	Fiberglass			
B243401.097B	Mastic/ Leveling Compound	Homogeneous Off-white, Gray Fibrous Bound	10%	Cellulose	50%	Mastic	None Detected
					20%	Silicates	
					20%	Binder	
	Mastic and leveling compound could not be separated						
B243401.097C	Sheet Flooring	Heterogeneous Tan, Cream Fibrous Bound	35%	Cellulose	50%	Vinyl	None Detected
			15%	Fiberglass			
B243401.097D	Mastic/ Leveling Compound	Homogeneous Off-white, Gray Fibrous Bound	10%	Cellulose	50%	Mastic	None Detected
					20%	Silicates	
					20%	Binder	
	Mastic and leveling compound could not be separated						

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
 409 Rogers View Court
 Raleigh, NC 27610

Lab Code: B243401
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Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
408-12-2 B243401.098A	Sheet Flooring	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		White, Cream Fibrous Bound	15%	Fiberglass			
B243401.098B	Mastic/ Leveling Compound	Homogeneous Off-white, Gray Fibrous Bound	10%	Cellulose	50%	Mastic 20% Silicates 20% Binder	None Detected
Mastic and leveling compound could not be separated							
B243401.098C	Sheet Flooring	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		Tan, Cream Fibrous Bound	15%	Fiberglass			
B243401.098D	Mastic/ Leveling Compound	Homogeneous Off-white, Gray Fibrous Bound	10%	Cellulose	50%	Mastic 20% Silicates 20% Binder	None Detected
Mastic and leveling compound could not be separated							
408-13-1 B243401.099A	Floor Tile	Homogeneous Brown, Tan Non-fibrous Tightly Bound	<1%	Cellulose	97%	Vinyl	3% Chrysotile
Layer 1 B243401.099B	Mastic	Homogeneous Black Non-fibrous Bound	<1%	Cellulose	98%	Mastic	2% Chrysotile



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ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: Mid-Atlantic Associates, Inc.
409 Rogers View Court
Raleigh, NC 27610

Lab Code: B243401
Date Received: 02-19-24
Date Analyzed: 02-21-24
Date Reported: 02-21-24

Project: City of Wilson, R3950.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
Layer 2 B243401.099B	Felt Paper	Homogeneous Black,Brown Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
408-13-2 B243401.100	Sample Not Analyzed per COC						
408-14-1 B243401.101A	Floor Tile	Homogeneous Blue,Navy Non-fibrous Tightly Bound	<1%	Cellulose	100%	Vinyl	None Detected
B243401.101B	Mastic	Homogeneous Tan,Brown Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected
408-14-2 B243401.102A	Floor Tile	Homogeneous Blue,Navy Non-fibrous Tightly Bound	<1%	Cellulose	100%	Vinyl	None Detected
B243401.102B	Mastic	Homogeneous Tan,Brown Non-fibrous Bound	<1%	Cellulose	100%	Mastic	None Detected

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
Non-Trem = Non-Asbestiform Tremolite
Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

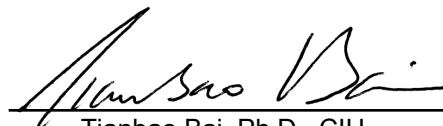
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Information provided by customer includes customer sample ID and sample description.

ANALYST:


Ryan Steele

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director



Santi Nicolella

APPENDIX C - PHOTOGRAPHS



View of the 409 Goldsboro Street South commercial structure



View of asbestos-containing Large Stone Pattern Sheet Flooring and its associated Yellow Mastic (HA 409-5)



View of the 411 Goldsboro Street South commercial structure



View of asbestos-containing Silver Coating and its associated Black Tar (HA 411-3)



View of the 419 Goldsboro Street South commercial structure



View of asbestos-containing Off-White Interior Window Frame Caulk (HA 419-3)



General view of asbestos-containing Gray Exterior Window Frame Caulk beneath White Caulk (HA 419-11)



View of asbestos-containing Black Tar located behind rubber membrane on the parapet wall of the roof (HA 419-18)



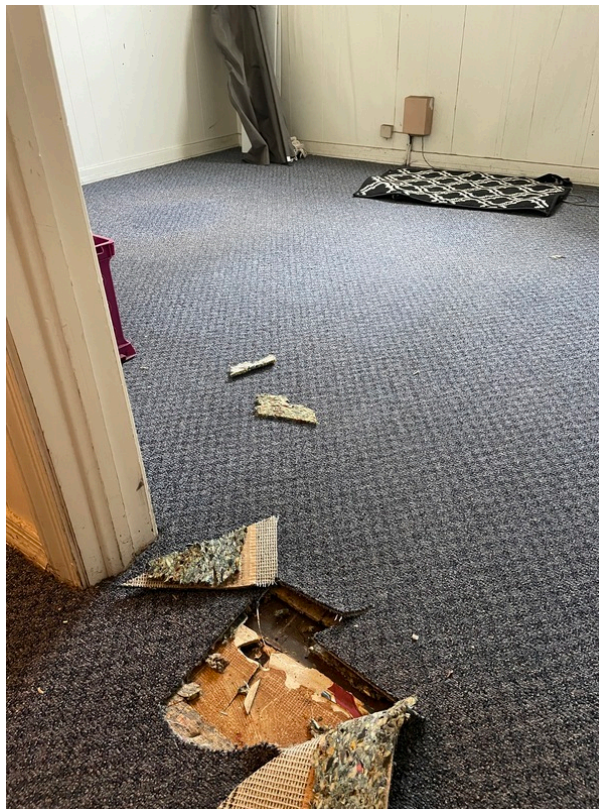
View of the 408 Jones Street South commercial structure



View of asbestos-containing Black Sink Coating (HA 408-7)



View of asbestos-containing 9" x 9"
Brown/Tan Floor Tile and its associated
Black Mastic (HA 408-8)



General view of asbestos-containing Tan/
Brown Mastic and its associated Off-White
Backing Material over Tan/Yellow Mastic
over 12" x 12" White/Off-White Floor Tile
over Beige/Tan Floor Tile over Black
Mastic (HA 408-11)



View of asbestos-containing 9" x 9"
Brown/Tan Floor Tile and its
associated Black Mastic
(HA 408-13)



View of the 410 Jones Street South
commercial structure



General view of the interior of the 410 Jones Street South commercial structure



General view of the interior of the 410 Jones Street South commercial structure

APPENDIX D - ASBESTOS INSPECTOR CERTIFICATION

North Carolina Asbestos Accreditation



Colton A Gotshall
4045 Needham Rd
Bailey, NC 27807

142710

EXPIRATION			
01-31-2025			
DOB	SEX	HT	WT
03-31-1995	M	6'0"	200
CLASS		#	EXP
INSPECTOR		13317	01-25