



REPORT DATE: October 16, 2023
MID-ATLANTIC PROJECT #: R4446.00

NESHAP ASBESTOS SURVEY REPORT

WILSON RESIDENTIAL ASSEMBLAGE

1419 Corbett Avenue, 927 & 929 Carolina Street, and 209 Maplewood Avenue,
Wilson, Wilson County, North Carolina

ENGINEERING & ENVIRONMENTAL SOLUTIONS

PREPARED FOR:

City of Wilson
112 Goldsboro Street East
Wilson, North Carolina 27893

PREPARED BY:

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

TABLE OF CONTENTS

1.0 INTRODUCTION	1
2.0 DEFINITIONS	1
2.1 <u>Asbestos-Containing Material</u>	1
2.2 <u>Asbestos Survey</u>	2
2.3 <u>Limited Asbestos Survey</u>	2
3.0 DESCRIPTION OF BUILDINGS	3
4.0 FIELD ACTIVITIES	4
4.1 <u>Visual Assessment</u>	4
4.2 <u>Physical Assessment</u>	4
4.3 <u>Sample Collection</u>	4
4.4 <u>Sample Analysis</u>	5
5.0 FINDINGS AND RECOMMENDATIONS	5
6.0 REGULATORY OVERVIEW	6
7.0 LIMITATIONS	6
DRAWINGS	
APPENDIX A - ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS	
APPENDIX B - LABORATORY ANALYTICAL REPORT	
APPENDIX C - PHOTOGRAPHS	
APPENDIX D - ASBESTOS INSPECTOR CERTIFICATION	

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 four residential structures located at 1419 Corbett Avenue, 927 Carolina Street, 929 Carolina Street, and 209 Maplewood Avenue in Wilson, Wilson County, North Carolina (the "Subject Property"). A site map illustrating the location of the Subject Property is provided as [Drawing 1](#). The objective of our scope of services was to identify the potential presence of asbestos-containing materials (ACM) at the Subject Property. This asbestos survey was completed as part of future planned demolition activities 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

The Subject Property consisted of four unoccupied single-story residential structures during this assessment. Maps illustrating the structures locations are included in [Drawings 1-4](#). Specific details pertaining to each structure are listed below:

1419 Corbett Avenue:

- One single-story residential 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 structure totals approximately 1,156 square feet and was constructed in 1958.
- The residential structure consisted of a brick and mortar construction and a sloped asphaltic shingle over felt paper roof. Interior finishes consisted of plaster walls and ceilings, and hardwood floors with areas finished with carpet and various sheet floorings.

927 Carolina Street:

- One single-story residential 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 structure totals approximately 526 square feet and was constructed in 1925.
- The residential structure consisted of a wood frame construction and a sloped metal roof. Interior finishes consisted of plaster walls and ceilings, and hardwood floors finished with carpet and various sheet floorings.

929 Carolina Street:

- One single-story residential 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 structure totals approximately 672 square feet and was constructed in 1925.
- The residential structure consisted of a wood frame construction and a sloped metal roof. Interior finishes consisted of plaster walls and ceilings, and hardwood floors finished with carpet and various sheet floorings.

209 Maplewood Avenue:

- One single-story residential 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 structure totals approximately 1,030 square feet and was constructed in 1930.

- The residential structure consisted of a wood frame construction and a sloped asphaltic shingle over felt paper roof. Interior finishes consisted of plaster walls, texture over wallboard ceilings, and hardwood floors with areas finished with parquet flooring and various floor tiles.

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 October 3, 2023. The 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 residential 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 of the interior, exterior, and roof of the buildings. Building materials identified as concrete, glass, wood, masonry, metal and/or rubber are not considered suspect ACM.

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 56 bulk samples of suspect ACM from 23 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). 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 Form and Analytical Results included as [Appendix A](#). Samples identified as containing >1% asbestos are bolded and highlighted, and samples identified as containing ≤1% asbestos are bolded and italicized. A copy of the ECEI analytical report is included in [Appendix B](#). Photographs of ACM identified during this assessment are included in [Appendix C](#). A copy of the North Carolina Asbestos Inspectors Certification is included in [Appendix D](#).

5.0 FINDINGS AND RECOMMENDATIONS

Laboratory analytical results identified ACM in the following building materials:

1419 Corbett Avenue

- White Exterior Window Glazing (≤1%)
- White Sink Coating
- Black Chimney Tar

927 Carolina Street

- Silver Paint Coating

929 Carolina Street

- Black Chimney Tar

209 Maplewood Avenue

- Transite Siding
- White Exterior Window Glazing (≤1%)
- 12" x 12" Tan Floor Tile
- Tan Floor Tile beneath Parquet Flooring and Off-White Floor Tile
- Gray/Black Chimney Tar

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

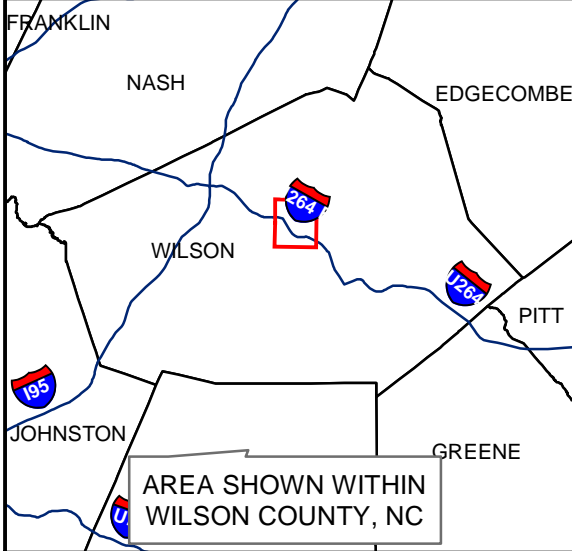
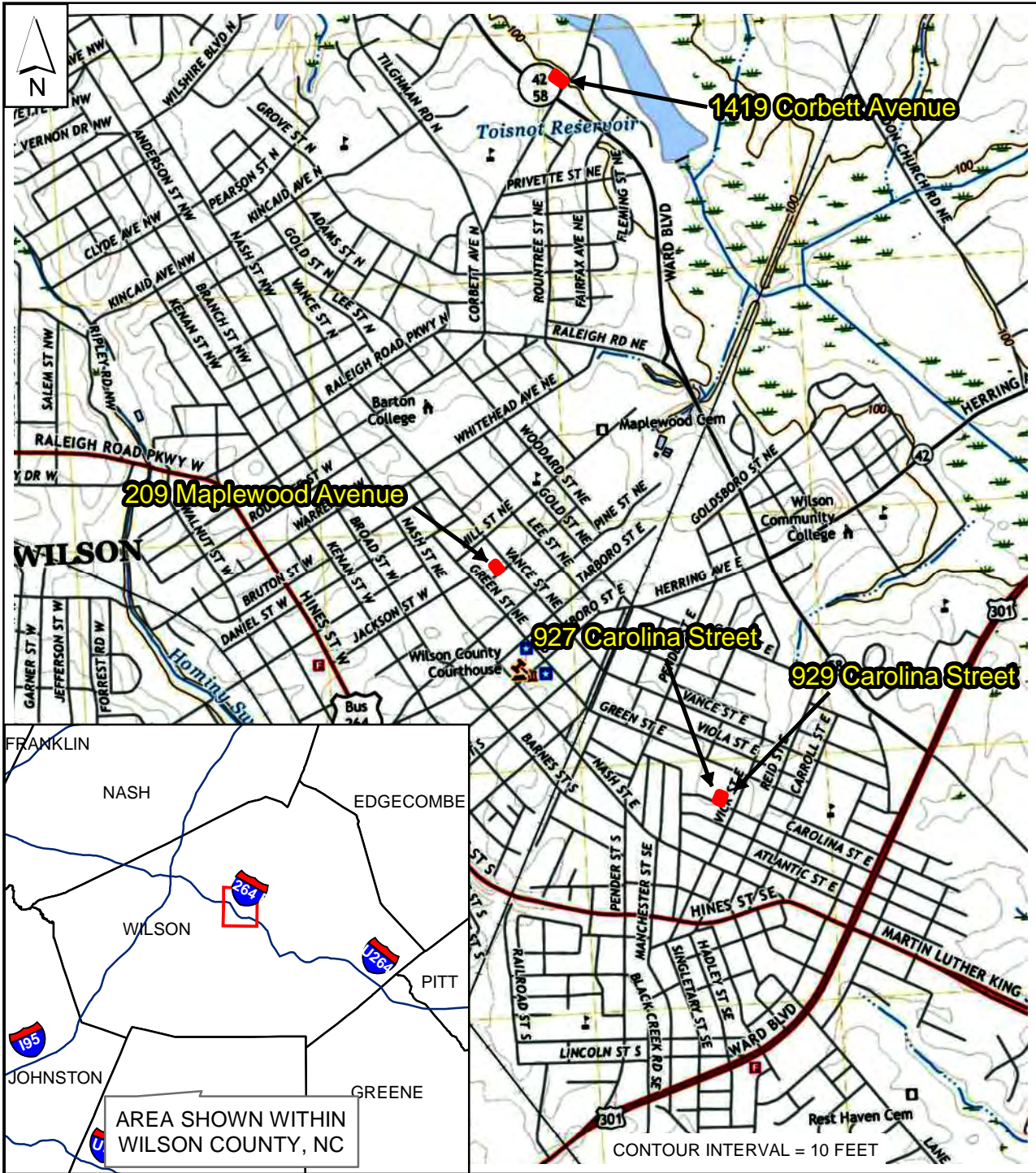
The potential exists for additional suspect ACM to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for asbestos content prior to any renovation and/or demolition activities that could impact these materials.

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.

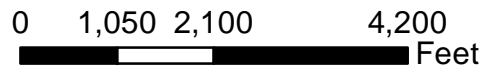
DRAWINGS



REFERENCES:

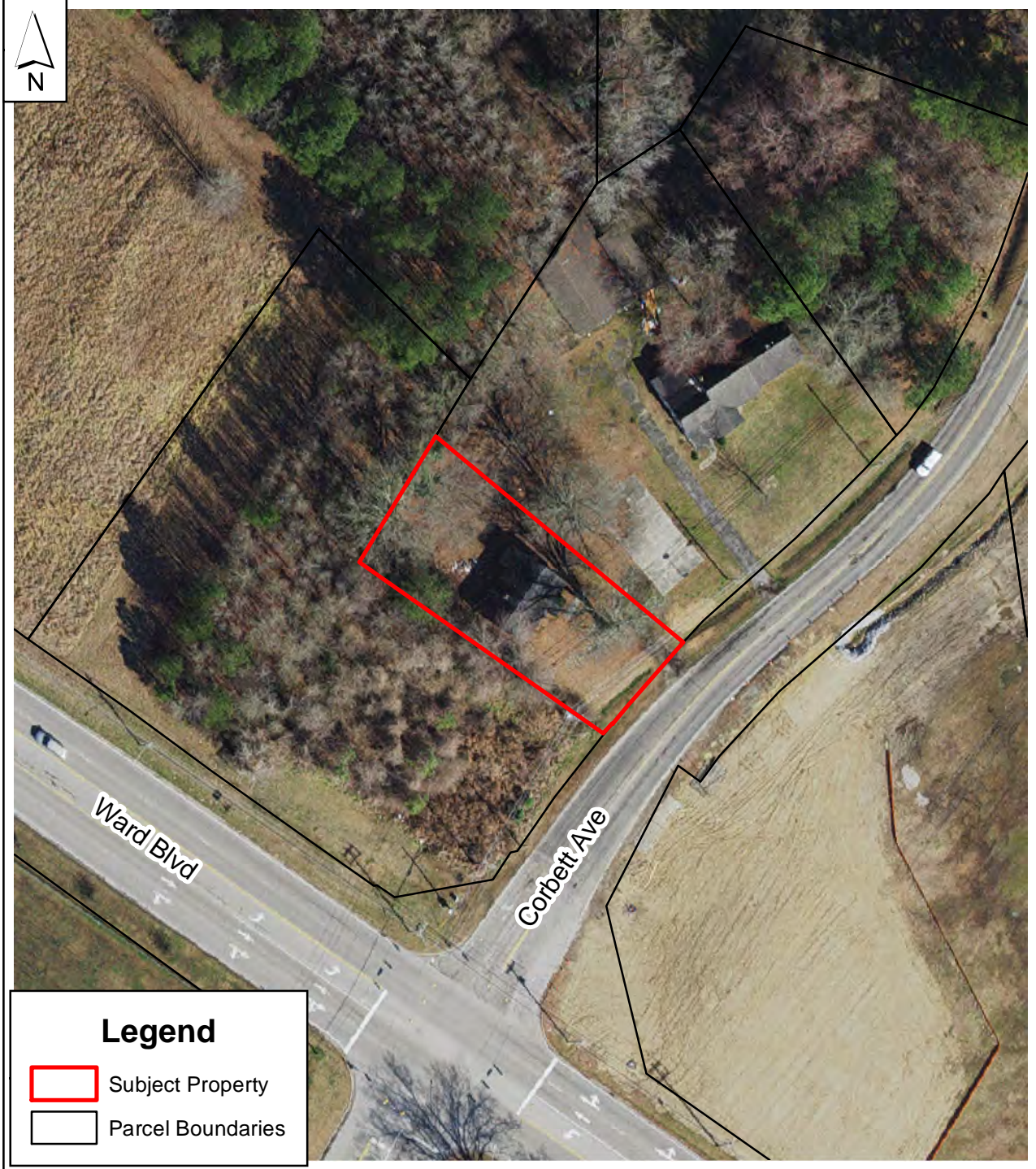
1. WILSON, NC DIGITAL RASTER GRAPHICS, USGS, SCANNED FROM 1:24,000-SCALE WILSON COUNTY, NC TOPOGRAPHIC MAPS, PUBLISHED 2022, USGS.
2. INSET MAP DATA DOWNLOADED FROM ARCGIS ONLINE.

SCALE:1:25,000



SITE MAP
WILSON RESIDENTIAL ASSEMBLAGE
WILSON, NORTH CAROLINA

DRAWN BY:	CAG	DATE:	OCTOBER 2023
DRAFT CHECK:		JOB NO:	R4446.00
ENG. CHECK:		GIS NO: 04G-R4446.00-1	
APPROVAL:	DMM	DWG NO:	1



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

SCALE:1:1,000



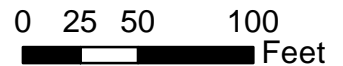
	SUBJECT PROPERTY LOCATION MAP 1419 CORBETT AVENUE WILSON, NORTH CAROLINA		DRAWN BY: CAG	DATE: OCTOBER 2023
			DRAFT CHECK:	JOB NO: R4446.00
			ENG. CHECK:	GIS NO: 04G-R4446.00-2
			APPROVAL: DMM	DWG NO: 2



REFERENCES:

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

SCALE:1:1,000



SUBJECT PROPERTY LOCATION MAP
927 & 929 CAROLINA STREET
WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: OCTOBER 2023
DRAFT CHECK:	JOB NO: R4446.00
ENG. CHECK:	GIS NO: 04G-R4446.00-3
APPROVAL: DMM	DWG NO: 3



Legend

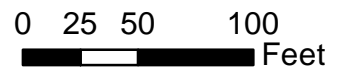
Subject Property

Parcel Boundaries

REFERENCES:

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

SCALE:1:1,000



SUBJECT PROPERTY LOCATION MAP
 209 MAPLEWOOD AVENUE
 WILSON, NORTH CAROLINA

DRAWN BY: CAG	DATE: OCTOBER 2023
DRAFT CHECK:	JOB NO: R4446.00
ENG. CHECK:	GIS NO: 04G-R4446.00-4
APPROVAL: DMM	DWG NO: 4

APPENDIX A - ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

ASBESTOS SURVEY FORMS AND ANALYTICAL RESULTS

Inspector name: Colton Gotshall
 License Number: (NC) 13317
 Survey Date: 10/3/2023

Project Name: Wilson Residential Assemblage - ACM
 Project Number: R4446.00
 Location: 1419 Corbett Ave., 927 & 929 Carolina St., 209 Maplewood Ave.
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
1419-1-1	White Exterior Window Glazing	North Window	Significantly Damaged	40 ft (10 Windows)	Friable	None Detected
1419-1-2		East Window				None Detected
1419-1-3		South Window				<1% Chrysotile
1419-2-1	Tan Sheet Flooring	Kitchen	Good	100 ft ²	Non-Friable	None Detected
1419-2-2		Kitchen				None Detected
1419-3-1	Off-White Sheet Flooring	Restroom	Good	40 ft ²	Non-Friable	None Detected
1419-3-2		Restroom				None Detected
1419-4-1	Plaster	Living Room	Good	3,000 ft ²	Non-Friable	None Detected
1419-4-2		Bedroom				None Detected
1419-4-3		Kitchen				None Detected
1419-4-4		Kitchen				None Detected
1419-4-5		Hallway				None Detected
1419-5-1	White Sink Coating	Kitchen	Good	1 Sink	Friable	2% Chrysotile
1419-5-2		Kitchen				2% Chrysotile
1419-6-1	White Exterior Window Frame Caulk	West Window	Damaged	100 ft (10 Windows)	Non-Friable	None Detected
1419-6-2		North Window				None Detected
1419-7-1	Black Chimney Tar	Roof	Good	10 ft (1 Chimney)	Non-Friable	3% Chrysotile
1419-7-2		Roof				3% Chrysotile
1419-8-1	Black Shingle over Black Felt Paper	Roof	Good	1,400 ft ²	Non-Friable	None Detected
1419-8-2		Roof				None Detected
927-1-1	Plaster	Living Room	Good	600 ft ²	Non-Friable	None Detected
927-1-2		Kitchen				None Detected
927-1-3		Fireplace Area				None Detected
927-2-1	Green Sheet Flooring	Kitchen	Good	100 ft ²	Non-Friable	None Detected
927-2-2		Restroom				None Detected
927-3-1	Silver Paint Coating	Roof	Good	700 ft ²	Friable	2% Chrysotile
927-3-2		Roof				2% Chrysotile
927-3-3		Roof				2% Chrysotile
929-1-1	Plaster	Living Room	Good	600 ft ²	Non-Friable	None Detected
929-1-2		Fireplace Area				None Detected
929-1-3		Kitchen				None Detected
929-2-1	Brown Sheet Flooring	Kitchen	Damaged	100 ft ²	Non-Friable	None Detected
929-2-2		Restroom				None Detected
929-3-1	Black Chimney Tar	Roof	Good	10 ft (1 Chimney)	Non-Friable	3% Chrysotile
929-3-2		Roof				3% Chrysotile

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

Italicized and Highlighted Text: Asbestos-Containing Materials >0% but <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: 10/3/2023

Project Name: Wilson Residential Assemblage - ACM
 Project Number: R4446.00
 Location: 1419 Corbett Ave., 927 & 929 Carolina St., 209 Maplewood Ave.
Wilson, North Carolina

Sample Number	Homogeneous Material	Sample Location	Condition	Quantity *	Friability	Results
209-1-1	Transite Siding over Black Felt Paper	South Exterior	Good	1,400 ft ²	Non-Friable	15% Chrysotile
209-1-2		West Exterior				15% Chrysotile
209-2-1	White Texture over Wallboard	Living Room Ceiling	Good	500 ft ²	Friable	None Detected
209-2-2		Dining Room Ceiling				None Detected
209-2-3		Bedroom Ceiling				None Detected
209-3-1	Plaster	Living Room	Good	1,200 ft ²	Non-Friable	None Detected
209-3-2		Dining Room				None Detected
209-3-3		Kitchen				None Detected
209-4-1	White Exterior Window Glazing	Living Room	Good	400 ft (10 Windows)	Friable	None Detected
209-4-2		Dining Room				None Detected
209-4-3		Kitchen				<1% Chrysotile
209-5-1	12" x 12" Tan Floor Tile over Tan Mastic	Kitchen	Significantly Damaged	20 ft ²	Non-Friable	Tan Floor Tile: 2% Chrysotile Tan Mastic: None Detected
209-5-2		Hallway				Tan Floor Tile: 2% Chrysotile Tan Mastic: None Detected
209-6-1	Parquet Flooring over Floor Tile over Second Layer of Floor Tile over Black Mastic over Black Tarpaper	Dining Room	Good	100 ft ²	Non-Friable	Gray/Orange Flooring: None Detected Yellow Mastic: None Detected Off-White Floor Tile: None Detected Tan Mastic: None Detected Tan Floor Tile: 5% Chrysotile Black Mastic: None Detected Black Tarpaper: None Detected
209-6-2		Dining Room				Gray/Orange Flooring: None Detected Yellow Mastic: None Detected Off-White Floor Tile: None Detected Tan Mastic: None Detected Tan Floor Tile: 5% Chrysotile Black Mastic: None Detected Black Tarpaper: None Detected
209-7-1	Red Floor Tile over Black Felt Paper over Brown Mastic	Kitchen	Good	80 ft ²	Non-Friable	None Detected
209-7-2		Kitchen				None Detected
209-8-1	Red Shingle over Black Shingle over Black Felt Paper	Roof	Good	1,000 ft ²	Non-Friable	None Detected
209-8-2		Roof				None Detected
209-9-1	Gray/Black Chimney Tar	Roof	Good	10 ft (1 Chimney)	Non-Friable	3% Chrysotile
209-9-2		Roof				3% Chrysotile

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

Italicized and Highlighted Text: Asbestos-Containing Materials >0% but <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:

APPENDIX B - LABORATORY ANALYTICAL REPORT

October 11, 2023

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

CLIENT PROJECT: Wilson Residential Assemblage, R4446.00
CEI LAB CODE: B2321262

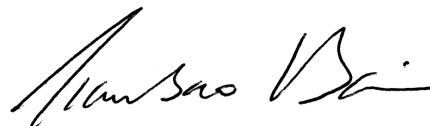
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 4, 2023. 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: Wilson Residential Assemblage, R4446.00

LAB CODE: B2321262

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

REPORT DATE: 10/11/23

TOTAL SAMPLES ANALYZED: 56

SAMPLES >1% ASBESTOS: 17

PROJECT: Wilson Residential Assemblage, R4446.00 **LAB CODE:** B2321262

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1419-1-1		B2321262.01	White	Window Glazing	None Detected
1419-1-2		B2321262.02	White	Window Glazing	None Detected
1419-1-3		B2321262.03	Off-white,Tan	Window Glazing	Chrysotile <1%
1419-2-1		B2321262.04A	Tan	Sheet Flooring	None Detected
		B2321262.04B	Off-white	Mastic	None Detected
1419-2-2		B2321262.05A	Tan	Sheet Flooring	None Detected
		B2321262.05B	Off-white	Mastic	None Detected
1419-3-1		B2321262.06	Off-white,Tan	Sheet Flooring	None Detected
1419-3-2		B2321262.07	Off-white,Tan	Sheet Flooring	None Detected
1419-4-1	Layer 1	B2321262.08	Gray,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.08	Tan	Plaster Base Coat	None Detected
1419-4-2	Layer 1	B2321262.09	Gray,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.09	Tan	Plaster Base Coat	None Detected
1419-4-3	Layer 1	B2321262.10	Gray,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.10	Tan	Plaster Base Coat	None Detected
1419-4-4	Layer 1	B2321262.11	Gray,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.11	Tan	Plaster Base Coat	None Detected
1419-4-5	Layer 1	B2321262.12	Gray,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.12	Tan	Plaster Base Coat	None Detected
1419-5-1		B2321262.13	White	Sink Coating	Chrysotile 2%
1419-5-2		B2321262.14	White	Sink Coating	Chrysotile 2%
1419-6-1		B2321262.15	White	Caulking	None Detected
1419-6-2		B2321262.16	White	Caulking	None Detected
1419-7-1		B2321262.17	Black	Chimney Tar	Chrysotile 3%
1419-7-2		B2321262.18	Black	Chimney Tar	Chrysotile 3%
1419-8-1	Layer 1	B2321262.19	Black	Shingle	None Detected
	Layer 2	B2321262.19	Black	Felt Paper	None Detected
1419-8-2	Layer 1	B2321262.20	Black	Shingle	None Detected
	Layer 2	B2321262.20	Black	Felt Paper	None Detected
927-1-1	Layer 1	B2321262.21	Green,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.21	Tan	Plaster Base Coat	None Detected

PROJECT: Wilson Residential Assemblage, R4446.00 **LAB CODE:** B2321262

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
927-1-2	Layer 1	B2321262.22	Green,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.22	Tan	Plaster Base Coat	None Detected
927-1-3	Layer 1	B2321262.23	Green,White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.23	Tan	Plaster Base Coat	None Detected
927-2-1		B2321262.24	Green,White	Sheet Flooring	None Detected
927-2-2		B2321262.25	Green,White	Sheet Flooring	None Detected
927-3-1		B2321262.26	Silver	Silver Paint	Chrysotile 2%
927-3-2		B2321262.27	Silver	Silver Paint	Chrysotile 2%
927-3-3		B2321262.28	Silver	Silver Paint	Chrysotile 2%
929-1-1	Layer 1	B2321262.29	White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.29	Tan	Plaster Base Coat	None Detected
929-1-2	Layer 1	B2321262.30	White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.30	Tan	Plaster Base Coat	None Detected
929-1-3	Layer 1	B2321262.31	White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.31	Tan	Plaster Base Coat	None Detected
929-2-1		B2321262.32	Brown,Gray	Sheet Flooring	None Detected
929-2-2		B2321262.33	Brown,Gray	Sheet Flooring	None Detected
929-3-1		B2321262.34	Black	Chimney Tar	Chrysotile 3%
929-3-2		B2321262.35	Black	Chimney Tar	Chrysotile 3%
209-1-1	Layer 1	B2321262.36	White	Siding	Chrysotile 15%
	Layer 2	B2321262.36	Black	Felt Paper	None Detected
209-1-2	Layer 1	B2321262.37	White	Siding	Chrysotile 15%
	Layer 2	B2321262.37	Black	Felt Paper	None Detected
209-2-1	Layer 1	B2321262.38	White	Texture	None Detected
	Layer 2	B2321262.38	White,Tan	Wallboard	None Detected
209-2-2	Layer 1	B2321262.39	White	Texture	None Detected
	Layer 2	B2321262.39	White,Tan	Wallboard	None Detected
209-2-3	Layer 1	B2321262.40	White	Texture	None Detected
	Layer 2	B2321262.40	White,Tan	Wallboard	None Detected
209-3-1	Layer 1	B2321262.41	White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.41	Tan	Plaster Base Coat	None Detected

PROJECT: Wilson Residential Assemblage, R4446.00 **LAB CODE:** B2321262

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
209-3-2	Layer 1	B2321262.42	White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.42	Tan	Plaster Base Coat	None Detected
209-3-3	Layer 1	B2321262.43	White	Plaster Skim Coat	None Detected
	Layer 2	B2321262.43	Tan	Plaster Base Coat	None Detected
209-4-1		B2321262.44	White,Gray	Window Glazing	None Detected
209-4-2		B2321262.45	White,Gray	Window Glazing	None Detected
209-4-3		B2321262.46	White,Off-white	Window Glazing	Chrysotile <1%
209-5-1		B2321262.47A	Tan	Floor Tile	Chrysotile 2%
		B2321262.47B	Tan	Mastic	None Detected
209-5-2		B2321262.48A	Tan	Floor Tile	Chrysotile 2%
		B2321262.48B	Tan	Mastic	None Detected
209-6-1		B2321262.49A	Gray,Orange	Flooring	None Detected
		B2321262.49B	Yellow	Mastic	None Detected
		B2321262.49C	Off-white	Floor Tile	None Detected
		B2321262.49D	Tan	Mastic	None Detected
		B2321262.49E	Tan	Floor Tile	Chrysotile 5%
	Layer 1	B2321262.49F	Black	Mastic	None Detected
	Layer 2	B2321262.49F	Black	Tarpaper	None Detected
209-6-2		B2321262.50A	Gray,Orange	Flooring	None Detected
		B2321262.50B	Yellow	Mastic	None Detected
		B2321262.50C	Off-white	Floor Tile	None Detected
		B2321262.50D	Tan	Mastic	None Detected
		B2321262.50E	Tan	Floor Tile	Chrysotile 5%
	Layer 1	B2321262.50F	Black	Mastic	None Detected
	Layer 2	B2321262.50F	Black	Tarpaper	None Detected
209-7-1	Layer 1	B2321262.51A	Red	Floor Tile	None Detected
	Layer 2	B2321262.51A	Black	Felt Paper	None Detected
		B2321262.51B	Brown	Mastic	None Detected
209-7-2	Layer 1	B2321262.52A	Red	Floor Tile	None Detected
	Layer 2	B2321262.52A	Black	Felt Paper	None Detected
		B2321262.52B	Brown	Mastic	None Detected

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: Wilson Residential Assemblage, R4446.00 **LAB CODE:** B2321262

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
209-8-1	Layer 1	B2321262.53A	Red	Shingle	None Detected
	Layer 2	B2321262.53A	Black	Shingle	None Detected
		B2321262.53B	Black	Felt Paper	None Detected
209-8-2	Layer 1	B2321262.54A	Red	Shingle	None Detected
	Layer 2	B2321262.54A	Black	Shingle	None Detected
		B2321262.54B	Black	Felt Paper	None Detected
209-9-1		B2321262.55	Gray,Black	Chimney Tar	Chrysotile 3%
209-9-2		B2321262.56	Gray,Black	Chimney Tar	Chrysotile 3%

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1419-1-1 B2321262.01	Window Glazing	Homogeneous	<1%	Wollastonite	65%	Binder	None Detected
		White			35%	Calc Carb	
		Non-fibrous Bound					
1419-1-2 B2321262.02	Window Glazing	Homogeneous	<1%	Wollastonite	65%	Binder	None Detected
		White			35%	Calc Carb	
		Non-fibrous Bound					
1419-1-3 B2321262.03	Window Glazing	Heterogeneous	<1%	Talc	65%	Binder	<1% Chrysotile
		Off-white, Tan			30%	Calc Carb	
		Non-fibrous Bound			5%	Paint	
1419-2-1 B2321262.04A	Sheet Flooring	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		Tan	5%	Fiberglass	10%	Binder	
		Fibrous Bound					
B2321262.04B	Mastic	Homogeneous			100%	Mastic	None Detected
		Off-white Non-fibrous Bound					
1419-2-2 B2321262.05A	Sheet Flooring	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		Tan	5%	Fiberglass	10%	Binder	
		Fibrous Bound					
B2321262.05B	Mastic	Homogeneous			100%	Mastic	None Detected
		Off-white Non-fibrous Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1419-3-1 B2321262.06	Sheet Flooring	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		Off-white,Tan Fibrous Bound	5%	Fiberglass	10%	Binder	
1419-3-2 B2321262.07	Sheet Flooring	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		Off-white,Tan Fibrous Bound	5%	Fiberglass	10%	Binder	
1419-4-1 Layer 1 B2321262.08	Plaster Skim Coat	Heterogeneous			60%	Binder	None Detected
		Gray,White Non-fibrous Bound			35%	Calc Carb	
Layer 2 B2321262.08	Plaster Base Coat	Homogeneous	<1%	Cellulose	65%	Silicates	None Detected
		Tan Non-fibrous Bound			35%	Binder	
1419-4-2 Layer 1 B2321262.09	Plaster Skim Coat	Heterogeneous			60%	Binder	None Detected
		Gray,White Non-fibrous Bound			35%	Calc Carb	
Layer 2 B2321262.09	Plaster Base Coat	Homogeneous	<1%	Cellulose	65%	Silicates	None Detected
		Tan Non-fibrous Bound			35%	Binder	
1419-4-3 Layer 1 B2321262.10	Plaster Skim Coat	Heterogeneous			60%	Binder	None Detected
		Gray,White Non-fibrous Bound			35%	Calc Carb	
Layer 2	Plaster Base Coat	Homogeneous	<1%	Cellulose	65%	Silicates	None Detected
		Tan Non-fibrous Bound			35%	Binder	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B2321262.10	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
					35%	Binder	
1419-4-4 Layer 1 B2321262.11	Plaster Skim Coat	Heterogeneous Gray,White Non-fibrous Bound			60%	Binder	None Detected
					35%	Calc Carb	
					5%	Paint	
Layer 2 B2321262.11	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
					35%	Binder	
1419-4-5 Layer 1 B2321262.12	Plaster Skim Coat	Heterogeneous Gray,White Non-fibrous Bound			60%	Binder	None Detected
					35%	Calc Carb	
					5%	Paint	
Layer 2 B2321262.12	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
					35%	Binder	
1419-5-1 B2321262.13	Sink Coating	Homogeneous White Non-fibrous Bound			98%	Binder	2% Chrysotile
1419-5-2 B2321262.14	Sink Coating	Homogeneous White Non-fibrous Bound			98%	Binder	2% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1419-6-1 B2321262.15	Caulking	Heterogeneous	95%	Caulk	5%	Paint	None Detected
		White					
		Non-fibrous					
		Bound					
1419-6-2 B2321262.16	Caulking	Heterogeneous	95%	Caulk	5%	Paint	None Detected
		White					
		Non-fibrous					
		Bound					
1419-7-1 B2321262.17	Chimney Tar	Homogeneous	5%	Cellulose	92%	Tar	3% Chrysotile
		Black					
		Non-fibrous					
		Bound					
1419-7-2 B2321262.18	Chimney Tar	Homogeneous	5%	Cellulose	92%	Tar	3% Chrysotile
		Black					
		Non-fibrous					
		Bound					
1419-8-1 Layer 1 B2321262.19	Shingle	Heterogeneous	50%	Fiberglass	40%	Tar	None Detected
		Black			10%	Gravel	
		Fibrous					
		Bound					
Layer 2 B2321262.19	Felt Paper	Homogeneous	70%	Cellulose	30%	Tar	None Detected
		Black					
		Fibrous					
		Bound					
1419-8-2 Layer 1 B2321262.20	Shingle	Heterogeneous	50%	Fiberglass	40%	Tar	None Detected
		Black			10%	Gravel	
		Fibrous					
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B2321262.20	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
927-1-1 Layer 1 B2321262.21	Plaster Skim Coat	Heterogeneous Green,White Non-fibrous Bound	70%		Binder		None Detected
			25%		Calc Carb		
			5%		Paint		
Layer 2 B2321262.21	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
			<1%	Hair	35%	Binder	
927-1-2 Layer 1 B2321262.22	Plaster Skim Coat	Heterogeneous Green,White Non-fibrous Bound	70%		Binder		None Detected
			25%		Calc Carb		
			5%		Paint		
Layer 2 B2321262.22	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
			<1%	Hair	35%	Binder	
927-1-3 Layer 1 B2321262.23	Plaster Skim Coat	Heterogeneous Green,White Non-fibrous Bound	70%		Binder		None Detected
			25%		Calc Carb		
			5%		Paint		
Layer 2 B2321262.23	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
			<1%	Hair	35%	Binder	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
927-2-1 B2321262.24	Sheet Flooring	Heterogeneous	45%	Cellulose	50%	Vinyl	None Detected
		Green,White Fibrous Bound	5%	Fiberglass			
927-2-2 B2321262.25	Sheet Flooring	Heterogeneous	45%	Cellulose	50%	Vinyl	None Detected
		Green,White Fibrous Bound	5%	Fiberglass			
927-3-1 B2321262.26	Silver Paint	Homogeneous			78%	Paint	2% Chrysotile
		Silver Fibrous Bound			20%	Tar	
927-3-2 B2321262.27	Silver Paint	Homogeneous			78%	Paint	2% Chrysotile
		Silver Fibrous Bound			20%	Tar	
927-3-3 B2321262.28	Silver Paint	Homogeneous			78%	Paint	2% Chrysotile
		Silver Fibrous Bound			20%	Tar	
929-1-1 Layer 1 B2321262.29	Plaster Skim Coat	Homogeneous			65%	Silicates	None Detected
		White Non-fibrous Bound			35%	Binder	
Layer 2 B2321262.29	Plaster Base Coat	Homogeneous	<1%	Cellulose	65%	Silicates	None Detected
		Tan Non-fibrous Bound	<1%	Hair	35%	Binder	

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %
			Fibrous		Non-Fibrous	
929-1-2 Layer 1 B2321262.30	Plaster Skim Coat	Homogeneous			65%	None Detected
		White			35%	
		Non-fibrous				
		Bound				
Layer 2 B2321262.30	Plaster Base Coat	Homogeneous	<1%	Cellulose	65%	None Detected
		Tan	<1%	Hair	35%	
		Non-fibrous				
		Bound				
929-1-3 Layer 1 B2321262.31	Plaster Skim Coat	Heterogeneous			65%	None Detected
		White			30%	
		Non-fibrous			5%	
		Bound				
Layer 2 B2321262.31	Plaster Base Coat	Homogeneous	<1%	Cellulose	65%	None Detected
		Tan	<1%	Hair	35%	
		Non-fibrous				
		Bound				
929-2-1 B2321262.32	Sheet Flooring	Heterogeneous	45%	Cellulose	50%	None Detected
		Brown,Gray	5%	Fiberglass		
		Fibrous				
		Bound				
929-2-2 B2321262.33	Sheet Flooring	Heterogeneous	45%	Cellulose	50%	None Detected
		Brown,Gray	5%	Fiberglass		
		Fibrous				
		Bound				
929-3-1 B2321262.34	Chimney Tar	Homogeneous			97%	3% Chrysotile
		Black				
		Non-fibrous				
		Bound				

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
929-3-2 B2321262.35	Chimney Tar	Homogeneous Black Non-fibrous Bound	97%		Tar	3% Chrysotile	
209-1-1 Layer 1 B2321262.36	Siding	Heterogeneous White Fibrous Bound	80%		Binder	15% Chrysotile	
Layer 2 B2321262.36	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
209-1-2 Layer 1 B2321262.37	Siding	Heterogeneous White Fibrous Bound	80%		Binder	15% Chrysotile	
Layer 2 B2321262.37	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
209-2-1 Layer 1 B2321262.38	Texture	Heterogeneous White Non-fibrous Bound	60%		Binder	None Detected	
Layer 2 B2321262.38	Wallboard	Heterogeneous White, Tan Fibrous Bound	15%	Cellulose	85%	Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
209-2-2 Layer 1 B2321262.39	Texture	Heterogeneous	60%	Binder	None Detected		
		White	35%	Calc Carb			
		Non-fibrous	5%	Paint			
		Bound					
Layer 2 B2321262.39	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		White, Tan					
		Fibrous					
		Bound					
209-2-3 Layer 1 B2321262.40	Texture	Heterogeneous	60%	Binder	None Detected		
		White	35%	Calc Carb			
		Non-fibrous	5%	Paint			
		Bound					
Layer 2 B2321262.40	Wallboard	Heterogeneous	15%	Cellulose	85%	Gypsum	None Detected
		White, Tan					
		Fibrous					
		Bound					
209-3-1 Layer 1 B2321262.41	Plaster Skim Coat	Heterogeneous	60%	Silicates	None Detected		
		White	35%	Binder			
		Non-fibrous	5%	Paint			
		Bound					
Layer 2 B2321262.41	Plaster Base Coat	Homogeneous	<1%	Cellulose	65%	Silicates	None Detected
		Tan	<1%	Hair	35%	Binder	
		Non-fibrous					
		Bound					
209-3-2 Layer 1 B2321262.42	Plaster Skim Coat	Heterogeneous	60%	Silicates	None Detected		
		White	35%	Binder			
		Non-fibrous	5%	Paint			
		Bound					

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B2321262.42	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
			<1%	Hair	35%	Binder	
209-3-3 Layer 1 B2321262.43	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			60%	Silicates	None Detected
					35%	Binder	
					5%	Paint	
Layer 2 B2321262.43	Plaster Base Coat	Homogeneous Tan Non-fibrous Bound	<1%	Cellulose	65%	Silicates	None Detected
			<1%	Hair	35%	Binder	
209-4-1 B2321262.44	Window Glazing	Heterogeneous White, Gray Non-fibrous Bound			60%	Binder	None Detected
					40%	Calc Carb	
209-4-2 B2321262.45	Window Glazing	Heterogeneous White, Gray Non-fibrous Bound			60%	Binder	None Detected
					40%	Calc Carb	
209-4-3 B2321262.46	Window Glazing	Heterogeneous White, Off-white Non-fibrous Bound			60%	Binder	<1% Chrysotile
					40%	Calc Carb	
209-5-1 B2321262.47A	Floor Tile	Homogeneous Tan Non-fibrous Bound			98%	Vinyl	2% Chrysotile

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
B2321262.47B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
209-5-2 B2321262.48A	Floor Tile	Homogeneous Tan Non-fibrous Bound	98%	Vinyl	2% Chrysotile
B2321262.48B	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected
209-6-1 B2321262.49A	Flooring	Homogeneous Gray,Orange Non-fibrous Bound	5% Cellulose	95% Vinyl	None Detected
B2321262.49B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%	Mastic	None Detected
B2321262.49C	Floor Tile	Homogeneous Off-white Non-fibrous Bound	100%	Vinyl	None Detected
B2321262.49D	Mastic	Homogeneous Tan Non-fibrous Bound	100%	Mastic	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B2321262.49E	Floor Tile	Homogeneous Tan Non-fibrous Bound	95%		Vinyl		5% Chrysotile
Layer 1 B2321262.49F	Mastic	Homogeneous Black Non-fibrous Bound	100%		Tar		None Detected
Layer 2 B2321262.49F	Tarpaper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
209-6-2 B2321262.50A	Flooring	Homogeneous Gray,Orange Non-fibrous Bound	5%	Cellulose	95%	Vinyl	None Detected
B2321262.50B	Mastic	Homogeneous Yellow Non-fibrous Bound	100%		Mastic		None Detected
B2321262.50C	Floor Tile	Homogeneous Off-white Non-fibrous Bound	100%		Vinyl		None Detected
B2321262.50D	Mastic	Homogeneous Tan Non-fibrous Bound	100%		Mastic		None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
B2321262.50E	Floor Tile	Homogeneous Tan Non-fibrous Bound	95%		Vinyl		5% Chrysotile
Layer 1 B2321262.50F	Mastic	Homogeneous Black Non-fibrous Bound	100%		Tar		None Detected
Layer 2 B2321262.50F	Tarpaper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
209-7-1 Layer 1 B2321262.51A	Floor Tile	Homogeneous Red Fibrous Bound	60%	Cellulose	40%	Vinyl	None Detected
Layer 2 B2321262.51A	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
B2321262.51B	Mastic	Homogeneous Brown Non-fibrous Bound	100%		Mastic		None Detected
209-7-2 Layer 1 B2321262.52A	Floor Tile	Homogeneous Red Fibrous Bound	60%	Cellulose	40%	Vinyl	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B2321262.52A	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
B2321262.52B	Mastic	Homogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
209-8-1 Layer 1 B2321262.53A	Shingle	Homogeneous Red Fibrous Bound	50%	Fiberglass	40%	Tar Gravel	None Detected
Layer 2 B2321262.53A	Shingle	Homogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected
B2321262.53B	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
209-8-2 Layer 1 B2321262.54A	Shingle	Homogeneous Red Fibrous Bound	50%	Fiberglass	40%	Tar Gravel	None Detected
Layer 2 B2321262.54A	Shingle	Homogeneous Black Fibrous Bound	50%	Cellulose	40%	Tar Gravel	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

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

Lab Code: B2321262
Date Received: 10-04-23
Date Analyzed: 10-11-23
Date Reported: 10-11-23

Project: Wilson Residential Assemblage, R4446.00

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
B2321262.54B	Felt Paper	Homogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
209-9-1 B2321262.55	Chimney Tar	Homogeneous Gray,Black Fibrous Bound			97%	Tar	3% Chrysotile
209-9-2 B2321262.56	Chimney Tar	Homogeneous Gray,Black Fibrous Bound			97%	Tar	3% Chrysotile

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.*


This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

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

ANALYST:


Khrista Petry

APPROVED BY:


Tianbao Bai, Ph.D., CIH
Laboratory Director



APPENDIX C - PHOTOGRAPHS



View of the residential structure located at
1419 Corbett Avenue



View of trace asbestos-containing White
Exterior Window Glazing (HA 1419-1)



View of asbestos-containing White Sink Coating (HA 1419-5)



View of asbestos-containing Black Chimney Tar (HA 1419-7)

*NESHAP Asbestos Survey Report
Wilson Residential Assemblage
Wilson, North Carolina*



View of the residential structure located at
927 Carolina Street



View of asbestos-containing Silver Paint
Coating (HA 927-3)

*NESHAP Asbestos Survey Report
Wilson Residential Assemblage
Wilson, North Carolina*



View of the residential structure located at 929 Carolina Street



View of asbestos-containing Black Chimney Tar (HA 929-3)

*NESHAP Asbestos Survey Report
Wilson Residential Assemblage
Wilson, North Carolina*



View of the residential structure located at
209 Maplewood Avenue



View of asbestos-containing Transite
Siding (HA 209-1)



View of trace asbestos-containing White Exterior Window Glazing (HA 209-4)



View of asbestos-containing 12" x 12" Tan Floor Tile (HA 209-5)

*NESHAP Asbestos Survey Report
Wilson Residential Assemblage
Wilson, North Carolina*



General view of asbestos-containing Tan Floor Tile (HA 209-6)



View of asbestos-containing Gray/Black Chimney Caulk (HA 209-9)

APPENDIX D - ASBESTOS INSPECTOR CERTIFICATION

**North Carolina
Asbestos Accreditation**



Colton A Gotshall
4045 Needham Rd
Bailey, NC 27807

138941

EXPIRATION			
01-31-2024			
DOB	SEX	HT	WT
03-31-1995	M	6'0"	200
CLASS	#		EXP
INSPECTOR	13317		01-24