ENVIRONMENTAL CONCERNS
of Fayetteville, Inc.

Findings and Recommendations

PROJECT NAME:	Building Demolition	**DATE INSPECTED:**	May 21, 2021
PROJECT #:	PO546526	**INSPECTED BY:**	Rodney D. Sanders
LOCATION:	198 E Jay St Coats, NC	**ACCREDITATION NO:**	10237

Scope of Inspection:

The purpose of this inspection was to identify any possible asbestos containing materials that may be disturbed by the planned demolition of the house located at 198 E. Jay St., Coats, North Carolina.

This building is an older single-story site-built wood frame building over a crawlspace. The building has cement siding and metal panel roofing. The building floor has collapsed, and the entire building is leaning to one side.

The floors are wood throughout. Most of the walls and ceiling are covered with wood fiber boards.

The building has old double hung windows.

Materials Suspect for Asbestos:

Suspect materials are defined as materials that are either known to have contained asbestos during past manufacturing or materials for which the possibility of asbestos content is unknown.

For every type of asbestos containing material produced there are similar materials that while they may appear to be the same, they do not contain asbestos. Therefore, all identified suspect materials must be considered as asbestos containing until the actual asbestos content is determined or disproved by an approved laboratory. Laboratory analysis must be performed by a qualified microscopist.

Typically, any building material used to construct a building can be considered as suspect for asbestos unless they are known to never have been made with asbestos such as wood fiber products, fiberglass insulations, glass, load bearing concrete, etc. All other suspect building materials are required to be sampled to disprove the possibility of asbestos content.

Asbestos Sampling Requirements:

All asbestos inspections performed in North Carolina must be performed by persons accredited by the State on North Carolina. The area in question is visually inspected to identify materials that are suspect for asbestos. Materials that are considered as suspect to contain asbestos are then separated into homogenous areas for sampling. A homogeneous area is an area in which a suspect material has uniform color, texture, age, or other characteristics that indicate the continuity of the material.

Samples sufficient to identify or disprove the presence of asbestos are collected from each homogeneous area. Materials that are not considered to be suspect, such as metal, wood, fiberglass, concrete, carpet, etc. are not sampled. Destructive sampling was not performed so any unexpected materials located inside of walls and chases would not be included in this survey.

By regulation if any of the samples collected from a homogeneous area are found to be positive for asbestos, that entire homogeneous material must be considered as positive for asbestos, unless a determination can

be made that the positive sample(s) are not representative of the entire homogenous area. Additional sampling or different analytical techniques could be required to clarifying unusual or unexplained results.

Asbestos Samples Collected:

There were **three (3)** samples collected during this inspection. Samples are required to be layered during analysis so the laboratory results sometimes will appear to contain additional samples. This is normal and these additional samples are only the different layers that were observed by the laboratory and may be identified in their report by adding letters or descriptions to the sample number assigned by the inspector to indicate analysis of the separate layers. A stop read order was given to laboratory for materials contained in the same homogeneous area. This mean that once a positive result is received and the area determined to asbestos containing the remaining sample are not to be analyzed.

All samples collected were sent to an independent laboratory for analysis by PLM (polarized light microscopy). Laboratory analysis of samples was performed by a qualified microscopist. The **Asbestos Chain of Custody** and the laboratory's **Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy** sheets as well as **Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure** are included and should be reviewed to determine where samples were collected, and the specific details concerning the sample analysis and reported results.

The limit of detection of asbestos by PLM is about one percent by area; samples containing lower levels of asbestos are not reliably detected by this analytical technique. Current EPA regulations consider materials that contain less than 1% asbestos not to be an asbestos containing material. Such materials would be identified in the **Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy** sheets for information purposes but would not have to be considered as asbestos containing materials under EPA rules. The laboratory sheets included in the report give a breakdown of each sample's composition. All samples were analyzed by EMSL Analytical, Inc. in Kernersville, NC. The samples were sent to the laboratory via Federal Express.

Findings:

The **three (3)** samples collected yielded **three (3)** analytical results.

Based upon a review of the laboratory analysis of the samples collected, asbestos, in a concentration greater than 1%, was found in the cement siding on the exterior of the building.

Response Recommendations:

As asbestos was identified by this inspection there will be a need for abatement before the demolition contractor can proceed with the planned demolition of the structures.

Asbestos should be removed by a qualified abatement contractor which employs trained asbestos workers and supervisors. All asbestos waste will need t be properly packaged and labeled as asbestos waste. Waste will need to be properly transported and disposed of at an approved landfill. Transport and disposal is to be properly documented with a State on NC Asbestos Waste Manifest.

Additional information regarding compliance with the North Carolina regulations for asbestos inspections and the removal and disposal of asbestos containing materials during demolitions in North Carolina can be found online at http://epi.publichealth.nc.gov/asbestos/demolition.html. Assistance can also be requested by calling the NC Department of Health and Human Services, Division of Public Health; Health Hazards Control Unit (HHCU) at (919) 707-5950.

Disclaimer:

Environmental Concerns of Fayetteville, Inc. assumes no liability for ACBM that is not included in this inspection due to their being concealed, inaccessible, beyond the scope of the requested inspection, or not normally considered to be a suspect material.

Environmental Concerns of Fayetteville, Inc. assumes no liability for the condition of the materials before, during or after the inspection.

Compliance with current regulations, by persons using this report to plan demolition activities, is the sole responsibility of those persons and not the responsibility of Environmental Concerns of Fayetteville, Inc.

Attachments:

The analytical and credential sheets attached to this report are an integral part of this report and should not be detached. Persons distributing this report to others should be sure that these attachments are also provided.

Attached to this report should be **one (1)** page for the asbestos chain of custody form which lists the samples collected and **one (1)** page for the asbestos laboratory analytical reports. Following these pages there are credentials for the inspector as well as the analytical laboratory that performed the analysis.

If there are any questions concerning this inspection report or a need for additional assistance, please feel free to contact me at (910) 488-1925.

Respectfully Submitted,

Rodney D. Sanders
NC Asbestos Inspector Accreditation # 10237

OrderID: 022104008

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (*Lab Use Only*): 4008

EMSL ANALYTICAL, INC.
706 Gralin Street
Kernersville, NC 27284
PHONE: (336) 992-1025
FAX: (336) 992-4175

Company : Environmental Concerns of Fayetteville, Inc.		**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments**	
Street: P.O. Box 8097		*Third Party Billing requires written authorization from third party*	
City: Fayetteville	**State/Province:** NC	**Zip/Postal Code:** 28311	**Country:** USA
Report To (Name): Rodney Sanders		**Telephone #:** (910) 488-1925	
Email Address: rdsanders1@econcerns.net		**Fax #:** (910) 488-5345	**Purchase Order:** PO546526
Project Name/Number: 198 E Jay St, Coats		**Please Provide Results:** ☐ Fax ☑ Email	
U.S. State Samples Taken: North Carolina		**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt	

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☑ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PLM - Bulk (reporting limit)	TEM – Bulk
☑ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** May 21, 2021

Samplers Name: Rodney D. Sanders, Accreditation # 10237 **Samplers Signature:** Rodney D. Sanders

Sample #	HA #	Sample Location	Material Description
198 -01	1	Exterior - E Wall	Cement Siding
198 -02	1	Exterior - E Wall	Cement Siding
198 -03	2	Exterior - Window	Glazing

Client Sample # (s): 198-01 - 198-03 **Total # of Samples:** 3

Relinquished (Client): Rodney D. Sanders KE **Date:** May 21, 2021 **Time:** 5:00 PM

Received (Lab): **Date:** 5/24/21 **Time:** 9:30

Comments/Special Instructions:

FX 865 1035 9125

Controlled Document – Asbestos COC – RS – 11/29/2012

Page 1 of 1 pages

EMSL Analytical, Inc.
706 Gralin Street Kernersville, NC 27284
Tel/Fax: (336) 992-1025 / (336) 992-4175
http://www.EMSL.com / greensborolab@emsl.com

EMSL Order:	022104008
Customer ID:	ECOF50
Customer PO:	PO546526
Project ID:	

Attention: Rodney D. Sanders
Environ. Concerns of Fayetteville Inc
PO Box 8097
211 S. Broad Street
Fayetteville, NC 28301
Project: 198 E Jay St, Coats

Phone:	(910) 488-1925
Fax:	(910) 488-5345
Received Date:	05/24/2021 9:30 AM
Analysis Date:	05/24/2021
Collected Date:	

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

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
198-01 *022104008-0001*	Cement Siding	Gray Non-Fibrous Homogeneous		20% Ca Carbonate 65% Non-fibrous (Other)	15% Chrysotile
198-02 *022104008-0002*	Cement Siding	Gray Fibrous Homogeneous		8% Ca Carbonate 77% Non-fibrous (Other)	15% Chrysotile
198-03 *022104008-0003*	Glazing	Gray Non-Fibrous Homogeneous	2% Fibrous (Other)	10% Ca Carbonate 88% Non-fibrous (Other)	None Detected

Analyst(s)
Cameron Evans (2)
Ryan Rains (1)

Stephen Bennett, Laboratory Manager
or Other Approved Signatory

Initial report from: 05/25/2021 09:24:18

NC DEPARTMENT OF
HEALTH AND
HUMAN SERVICES

ROY COOPER • Governor

MANDY COHEN, MD, MPH • Secretary

MARK T. BENTON • Assistant Secretary for Public Health,

Division of Public Health

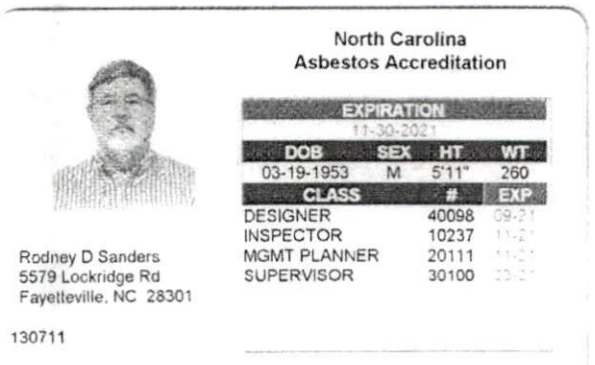
November 23, 2020

Rodney D Sanders
5579 Lockridge Rd
Fayetteville, NC 28301

Dear Mr. Sanders:

Based upon the review of your accreditation application, the Health Hazards Control Unit (HHCU) has determined that you have fulfilled the requirements and are eligible for asbestos accreditation as a(n) INSPECTOR. Your assigned North Carolina accreditation number is 10237, which is reflected on your enclosed North Carolina Accreditation card. Please be sure to take this card with you to any asbestos work site where you are employed. The State requires that all persons conducting asbestos abatement or asbestos management activities be accredited and have their identification card on site.

Your North Carolina Inspector accreditation will expire on NOVEMBER 30, 2021. It is NOT the policy of the HHCU to issue renewal notices. If you wish to continue working as a(n) Inspector after this expiration date, you must successfully complete the required training and submit a completed application to this office prior to November 30, 2021. If you should continue to perform asbestos management activities as a(n) Inspector without a valid North Carolina accreditation, you will be in violation of State regulations and may be cited for noncompliance.



Rodney D Sanders
5579 Lockridge Rd
Fayetteville, NC 28301

130711

North Carolina
Asbestos Accreditation

EXPIRATION			
11-30-2021			
DOB	SEX	HT	WT
03-19-1953	M	5'11"	260
CLASS		#	EXP
DESIGNER		40098	09-21
INSPECTOR		10237	11-21
MGMT PLANNER		20111	11-21
SUPERVISOR		30100	09-21

Sincerely,

Ed Norman
Program Manager
Health Hazards Control Unit

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ilac-MRA

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 102104-0

EMSL Analytical, Inc.

Kernersville, NC

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

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2020-07-01 through 2021-06-30

Effective Dates

DEPARTMENT OF COMMERCE • UNITED STATES OF AMERICA •

For the National Voluntary Laboratory Accreditation Program

National Voluntary
Laboratory Accreditation Program

NVLAP® ilac-MRA

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.
706 Gralin Street
Kernersville, NC 27284
Mr. Stephen Bennett
Phone: 336-992-1025 Fax: 336-992-4175
Email: sbennett@emsl.com
http://www.emsl.com/

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 102104-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Effective 2020-07-01 through 2021-06-30