DEPARTMENT OF THE AIR FORCE
HEADQUARTERS 628TH AIR BASE WING (AMC)
JOINT BASE CHARLESTON SC

13 March 2026

MEMORANDUM FOR 628 CONS

FROM: 628 CES/CENMP
628th Civil Engineering Squadron
Joint Base Charleston SC 29404

SUBJECT: Contracting Officer's Representative (COR) Data, DKGV 1137999- Repair Naval Reserve Center - B3370

As part of the design process for this project, an asbestos and lead paint survey was conducted on December 2 and 3, 2024. The results indicate that asbestos is present in the exterior caulking associated with the white window caulking around the northeast exterior door, measuring approximately 10 linear feet. Additionally, lead was identified in the gray exterior door and the gray exterior roof paint. Removal of the asbestos is not required for this project, as the amount found is minimal and will not be disturbed during construction. Similarly, the lead-painted areas are also minimal, so we will only need to notify the contractor of their existence on the roof. Please see the attached report for further details.

Jonnathan Vargas-Sanchez, DAF
Project Manager / COR
628 Civil Engineering Squadron

Asbestos & Lead Paint Inspection Report

JBC Building 3370

1050 Remount Road, North Charleston, SC

January 10, 2025 | Report Number: EN247340

Prepared for:

Pond & Company
3500 Parkway Ln Suite 500
Norcross, GA 30092

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January 10, 2025

Pond & Company
3500 Parkway Ln Suite 500
Norcross, GA 30092

Attn: Mr. Glenn Martin
P: (706) 255-0852
E: MartinGI@pondco.com

Re: **Asbestos & Lead Paint Inspection Report**
JBC Building 3370
North Charleston, South Carolina 29406
Terracon Project No. EN247340
Survey Conducted: December 2, 2024 and December 3, 2024

Dear Mr. Martin:

Terracon Consultants, Inc. (Terracon) is pleased to present the results of the asbestos and lead paint inspection performed on the above referenced site. We understand that this survey was requested due to future planned renovations of the building.

Terracon appreciates the opportunity to provide environmental consulting services for the Pond & Company. If you should have any questions regarding this report, or if you need assistance with bid documents or project oversight during the building renovation, please contact the undersigned at (843) 277-8461.

Sincerely,
Terracon Consultants, Inc.

Andrew Mitroka
Project Manager

Norman E. (Gene) Partin, Jr., CHMM
Department Manager

TABLE OF CONTENTS

EXECUTIVE SUMMARY ii

1.0 INTRODUCTION 1

2.0 BUILDING DESCRIPTION 1

3.0 ASBESTOS INPSECTION 1

3.1 Regulatory Overview 1
3.2 Visual Assessment 2
3.3 Physical Assessment 2
3.4 Sample Collection 3
3.5 Sample Analysis 3
3.6 Findings 3
3.7 Recommendations 4

4.0 LEAD PAINT SAMPLING 4

4.1 Regulatory Overview 4
4.2 Sampling and Analytical Protocol 5
4.3 Sample Collection 5
4.4 Findings 5

5.0 LIMITATIONS / GENERAL COMMENTS 6

TABLES

Table 1 - Asbestos Sample Summary
Table 2 - Lead Paint Sample Summary

FIGURES

Figure 1 - Sample Location Diagram

APPENDIX A – PHOTO DOCUMENTATION

APPENDIX B – LABORATORY REPORTS

Asbestos Analytical Laboratory Data
Lead Paint Analytical Laboratory Data

APPENDIX C – INSPECTOR CREDENTIALS

EXECUTIVE SUMMARY

This executive summary is intended as an overview for the convenience of the reader. The report should be reviewed in its entirety prior to making any decisions regarding this site.

Terracon Consultants Inc. (Terracon) conducted an asbestos and lead paint inspection of Building 3370 on Joint Base Charleston in North Charleston, South Carolina. The site structure is approximately 20,000 square-feet (SF). It was our understanding that Pond & Company has planned renovations of the building. The purpose of this inspection was to sample and identify suspect asbestos-containing materials (ACM) and provide information regarding the identity, location, condition and approximate quantities of ACM in both interior and exterior building components. An ACM is defined as containing asbestos at a concentration greater than 1%. The objective of the lead paint inspection was to identify lead containing paint systems on building components that may require special handling and disposal considerations upon demolition of the structure.

The inspection was performed on December 2, 2024 and December 3, 2024 by a South Carolina Department of Environmental Services (SCDES) licensed asbestos inspector in general accordance with our Proposal dated Task Order dated November 7, 2024, and the sampling protocols established in EPA 40 CFR 763 (Asbestos Hazard Emergency Response Act, AHERA) and the SCDES Regulation 61-86.1 Standards of Performance for Asbestos Projects. Paint samples were collected from visible and accessible building components and paint systems and submitted to an Environmental Laboratory Accreditation Program (ELAP) approved laboratory for analysis of lead.

Forty-six (46) bulk samples were collected from homogeneous areas of suspect ACM. Six (6) paint-chip samples were collected from the components of the structure on the site.

Findings

Based on the results of laboratory analysis:

Asbestos

- Exterior Caulking (2% Chrysotile) associated with white window caulking of the exterior door on the northeast side of the building, approximately 10 linear-feet (LF).

Lead Paint

- Lead was not identified above SCDES regulation limits in any of paint chip samples. However, lead was identified above laboratory detection limits in the following samples
- Gray exterior door paint (0.052% by wt)
- Gray exterior roof paint (0.018% by wt)

Recommendations

Based on the scope of services, limitations, and findings of this assessment:

- Terracon recommends removal of the asbestos-containing materials by a South Carolina licensed asbestos abatement contractor.
- Inform contractors of lead containing paints. The OSHA lead in Construction Standard will need to be followed to protect workers during renovation activities that may disturb lead painted systems.

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos and lead paint inspection of Building 3370 on Joint Based Charleston in North Charleston, South Carolina. The inspection was conducted on December 2, 2024 and December 3, 2024, by a SCDES licensed building inspector in general accordance with our proposal dated November 7, 2024. We understand the asbestos and lead paint inspection was requested due to the planned renovation of the structure.

2.0 BUILDING DESCRIPTION

The referenced building is a single-story approximately 20,000 SF office space located on Joint Base Charleston in Charleston, South Carolina. The exterior of the building is a brick façade with metal exterior doors and windows. The roof is a flat rolled roofing system with metal capped parapet walls. Interior flooring consists of carpeted areas, vinyl floor tiling, and ceramic floor tiling. The walls consisted of CMU block and gypsum wallboard system with a cove base finish. The ceiling is generally a drop ceiling tile system underneath a gypsum ceiling with a spray-applied texture in the halls. Multiple roof-mounted HVAC systems were observed with metal ductwork running throughout the building and above the drop-ceiling.

3.0 ASBESTOS INPSECTION

The asbestos inspection was conducted by SCDES licensed Asbestos Building Inspector Mr. Andrew Mitroka; (License No. BI-01871, exp. 7/13/25). A copy of Mr. Mitroka's license is included in Appendix C. The inspection was conducted on December 2, 2024 & December 3, 2024, in general accordance with the sampling protocols established by EPA Regulation 40 CFR 763 Subpart E 763.86, AHERA and SCDES R61-86.1. A summary of inspection activities is provided below.

3.1 Regulatory Overview

<u>NESHAP</u>
Environmental Protection Agency (EPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), prohibits the release of asbestos fibers to the atmosphere during renovation/demolition activities. NESHAP requires that potentially regulated asbestos-containing building materials be identified, classified and quantified prior to planned disturbances or demolition activities. An ACM is defined as any material containing asbestos of any type in an amount greater than one percent (1%). The asbestos NESHAP regulates asbestos fiber emissions and asbestos waste disposal practices. Under NESHAP, asbestos-containing building materials are classified as either friable, Category I non-friable or Category II non-friable ACM. Friable materials are those that, when dry, may be crumbled, pulverized or reduced to powder by hand pressure. Non-friable materials contain asbestos fibers which have been "locked in" by a bonding agent, coating, binder or other materials so that the asbestos is bound and will not readily release fibers during normal handling or use. Category I non friable ACM includes packing materials, gaskets, resilient floor coverings and asphalt roofing products containing more than 1 percent (%) asbestos. Category II non-friable ACM are non-friable materials other than Category I materials that contain more than 1% asbestos.

Regulated Asbestos Containing material (RACM) includes all friable ACM; Category I non-friable ACM that has become friable or will be or has been subjected to sanding, grinding, cutting, or abrading; and Category II non-

friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder in the course of renovation or demolition activity. RACM must be removed prior to renovation or demolition activities.

South Carolina
In the state of South Carolina, asbestos activities are regulated by the SCDES under the SCDES Regulation 61-86.1 Standards of Performance for Asbestos Projects. The SCDES require that any asbestos-related activity conducted in a public building be performed by personnel licensed by the SCDES. The owner or operator must provide the SCDES with written notification of planned abatement and removal activities prior to the commencement of those activities. The SCDES requires 4-day notification for non-friable projects and 10 day notification for RACM projects. Asbestos abatement must be performed by SCDES -licensed asbestos abatement contractors. A SCDES -licensed Project Designer shall prepare a written abatement design for each abatement renovation project involving the removal of greater than 3,000 square, 1,500 linear, or 656 cubic feet of RACM. Third-party air monitoring must be conducted during the abatement of friable (regulated) ACM. The SCDES asbestos regulations can be found at https://scdhec.gov/environment/your-home/asbestos/asbestos-regulations.

The SCDES defines a renovation as, "altering a facility or one or more facility components in any way, including the stripping or removal of RACM from any facility component." A demolition is defined as, "Wrecking or taking out any load-supporting structural member of a facility together with any related handling operations, the burning of any facility, or moving of a structure."

OSHA
The Occupational Safety and Health Administration (OSHA) Asbestos Standard for Construction Industry (29 CFR 1926.1101) regulates workplace exposure to asbestos. The OSHA standard requires that employee exposure to airborne asbestos fibers be 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. A full copy of the OSHA asbestos standard for general industry may be found at OSHA's website (www.osha.gov) and should be referenced for specific information.

3.2 Visual Assessment

Our inspection activities began with visual observation of the interior and exterior of the building to identify apparent homogeneous areas of suspect ACM. A homogeneous area consists of building materials, which appear similar throughout in terms of color, texture and date of application. Building materials which were not identified as concrete, glass, wood, masonry, metal or rubber were considered suspect ACM. Although reasonable effort was made to survey accessible suspect materials, additional suspect but un-sampled materials could be located in walls, in voids or in other concealed areas.

3.3 Physical Assessment

A physical assessment of each homogeneous area of suspect ACM was conducted to assess the friability and condition of the materials. A friable material is defined by the EPA as a material, which can be crumbled, pulverized or reduced to powder by hand pressure when dry. Non-friable materials contain asbestos fibers which have been "locked in" by a bonding agent, coating, binder or other materials so that the asbestos is bound and will not readily release fibers during normal handling or use. Friability was assessed by physically touching suspect materials.

3.4 Sample Collection

Based on the results of the visual sampling, bulk samples of suspect ACM were collected in general accordance with the sampling protocols outlined in EPA Regulation 40 CFR 763 Subpart E763.86 (Asbestos Hazard Emergency Response Act, AHERA) and SCDES sample collection protocols. Random samples of suspect materials were collected in each homogeneous area. Bulk samples were collected using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker. The SCDES bulk sampling requirements are defined as follows:

Category	Quantity of Suspect Material	Required Minimum Samples
Surfacing	$\leq$ 1,000 ft^2 or $\leq$ 1,000 ft	3
	>1,000 ft^2 and $\leq$ 5,000 ft^2 **OR** > 1,000 ft and $\leq$ 5,000 ft	5
	> 5,000 ft^2 **OR** > 5,000 ft	7
Thermal System Insulation	N/A	3
Miscellaneous	N/A	3

The selection of sample locations and frequency of sampling was based on Terracon's observations and the assumption that materials in the same area are homogeneous in content.

Forty-six (46) bulk samples were collected from fourteen (14) homogeneous areas of suspect ACM in the building. A summary of the suspect ACM samples collected during the survey is presented in Table 1. Sample locations are depicted on the Sample Location Diagram (Figure 1).

3.5 Sample Analysis

Bulk samples were submitted under chain of custody to EMSL Laboratories (EMSL) of Pineville, North Carolina for analysis by Polarized Light Microscopy (PLM) with dispersion staining techniques per EPA EPA/600/R-93/116. The percentage of asbestos, where applicable, was determined by microscopical visual estimation. EMSL is accredited under the National Voluntary Laboratory Accreditation Program. Layered analysis of samples was conducted by the lab to separate the tile and ceramic tile, grout, and mortar.

Per the SCDES Regulation 61-86.1 Standards of Performance for Asbestos Projects, negative results for non-friable organically bound (NOB) materials such as flooring, mastics, and roofing shall be verified with at least one TEM analysis. The additional analysis was performed by TEM in accordance with EPA/600/R-93/116 Section 2.5.5.1.

Fourteen (14) NOB materials tested negative for asbestos by PLM analysis and thus were submitted and analyzed by TEM analysis. Samples requiring TEM analysis are identified on Table 1.

3.6 Findings

Based on the results of laboratory analysis, the following materials were identified as asbestos containing materials (ACMs) defined as containing >1% asbestos:

- Exterior Caulking (2% Chrysotile) associated with white window caulking of the exterior door on the northeast side of the building, approximately 10 LF.

Table 1 summarizes the results of the visual inspection, estimated quantities, and laboratory analyses. Asbestos laboratory analytical reports are included in Appendix B.

3.7 Recommendations

Based on the scope of services, limitations, and findings of this assessment:

- Terracon recommends removal of the asbestos-containing materials by a South Carolina licensed asbestos abatement contractor.

In accordance with OSHA's Asbestos Standard, the employer shall notify affected employees and contractors of the presence and location of asbestos-containing materials and test results. A full copy of the OSHA asbestos standard for general industry may be found at OSHA's website (www.osha.gov) and should be referenced for specific information.

It should be noted that suspect materials, other than those identified during the December 2, 2024 and December 3, 2024 survey may exist within the structure. Should suspect materials other than those which were identified during this survey be uncovered during or prior to the abatement and demolition process, those materials should be assumed asbestos-containing until sampling and analysis can confirm or refute their asbestos content. Should future sampling indicate that the other material is asbestos containing, Terracon recommends removal of the asbestos-containing materials by a South Carolina licensed asbestos abatement contractor prior to renovation/demolition of the building.

4.0 LEAD PAINT SAMPLING

The objective of the lead paint sampling was to identify lead containing paint systems on building components that may require special handling and disposal considerations upon renovation of the structure. SCDES regulates solid waste disposal under Regulation 61-107.19 as noted below. Testing was performed to meet specific State disposal requirements and does not comply with all parts of the Occupational Health and Safety Administrations (OSHA) lead regulations. Testing to comply with OSHA regulations are not covered in our scope of work since it is the responsibility of the contractor to protect its employees.

4.1 Regulatory Overview

Lead is regulated by the EPA, SCDES and OSHA. The EPA and SCDES regulate lead use, removal, and disposal, and OSHA regulates lead exposure to workers. The EPA defines LBP as paint, varnish, stain, or other applied coating that contains lead equal to or greater than 1.0 mg/cm^2, 5,000 mg/kg, or 0.5% by dry weight as determined by laboratory analysis. The SCDES regulations 61-107.19 require that painted demolition debris with a lead concentration greater than 0.06% by weight be disposed in a permitted Class II landfill. For the purpose of the OSHA lead standard, lead includes metallic lead, all inorganic lead compounds, and organic lead soaps. The complete OSHA standard for compliance can be found on OSHA's website (www.osha.gov). A synopsis of the OSHA regulations (29 CFR 1926.62) and the applicability are as follows:

The OSHA *Lead Standard for Construction* (29 CFR 1926.62) applies to all construction work where an employee may be occupationally exposed to lead. All work related to construction, alteration, or repair (including painting and decorating) is included. The lead-in-construction standard applies to any detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending upon on the method of removal and other workplace conditions. Under this standard, construction includes, but is not limited to, the following:

- Demolition or salvage of structures where lead or materials containing lead are present
- Removal or encapsulation of materials containing lead
- New construction, alteration, repair, or renovation of structures, substrates, or portions containing lead, or materials containing lead
- Installation of products containing lead
- Lead contamination/emergency clean-up
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed
- Maintenance operations associated with construction activities described above

4.2 Sampling and Analytical Protocol

Mr. Andrew Mitroka of Terracon conducted the lead paint (LP) sampling on December 2, 2024 and December 3, 2024. The LP sampling was conducted by collecting paint chip samples. The paint chip samples were collected from painted or lacquered surfaces of building components likely to contain LP, based on apparent date of application. The paint samples were collected down to the surface substrate so as to include any underlying paint systems in the analysis. The random paint chip samples were selected based on current paint schemes and may not be inclusive of old paint systems covered with paneling, or existing painted systems. The paint chip samples were submitted to an ELAP approved laboratory for analysis of lead by NIOSH Method 7082M (atomic absorption).

4.3 Sample Collection

Six (6) paint samples were collected from interior and exterior painted surfaces on the buildings. Paint sampled included:

- Interior Walls (White)
- Interior (Beige)
- Exterior (Yellow)
- Exterior Door (Gray)
- Roof (Gray)
- HVAC (Yellow)

4.4 Findings

- Based on the results of laboratory analysis, lead was not identified above SCDES regulation limits in any of paint chip samples. However, lead was identified above laboratory detection limits in the following samples

- Gray exterior door paint (0.052% by wt)
- Gray exterior roof paint (0.018% by wt)

5.0 LIMITATIONS / GENERAL COMMENTS

Terracon did not perform sampling which required demolition or destructive activities such as knocking holes in walls, ceiling and dismantling of equipment or removal of protective coverings. Reasonable efforts to access suspect materials within known areas of restricted access (e.g. crawl spaces and attics) were made; however, confined spaces or areas which may pose a health or safety risk to Terracon personnel were not sampled. Sampling did not include materials which could not be safely reached with available ladders.

This 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, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the building. 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 Pond & Company for specific application to their project as discussed. Terracon 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, express or implied is made.

This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary.

TABLES

TABLE 1 - Asbestos Sample Summary
JBC Building 3370
North Charleston, South Carolina
Project No. EN247340

HA	Sample ID	Approx. Quantity*	Samples Collected	Description	Material Location	Lab Result	Category	Condition
1	WB-01/05	4,000 SF	5	Wallboard and Joint Compound	Interior Walls	NAD	W.B.-Misc. J.C.-Surf.	Good
2	PC-01/05	2,000 SF	5	Popcorn Ceiling	Ceiling - Halls	NAD	Surf.	Good
3	**EC-01/03**	**10 SF**	**3**	**Exterior Caulking**	**Northeast Door**	**2% Chrys.**	**Cat. II**	Good
4	PW-01/03	500 LF	3	Pipe Wrap	Roof mechanical room	NAD	Misc.	Good
5	FT1-01/03	5,000 SF	3	Floor Tile and Mastic	Interior Floor	NAD	Misc.	Good
6	CFT-01/03	2,000 SF	3	Ceramic Floor Tile	Interior Floor, Restrooms	NAD	Misc.	Good
7	CT1-01/03	10,000 SF	3	Ceiling Tile 2x4	Ceiling - Halls	NAD	Misc.	Good
8	CT2-01/03	2,000 SF	3	Ceiling Tile	Ceiling - Halls	NAD	Misc.	Good
9	RB1-01/03	20,000 SF	3	Roof Bottom Layer	Roof	NAD	Misc.	Good
10	RF-01/03	5,000 SF	3	Roof Flashing	Roof Flashing	NAD	Misc.	Good
11	RM-01/03	2,000 SF	3	Roof Mastic	Roof	NAD	Misc.	Good
12	RC-01/03	20,000 SF	3	Roof Core	Roof	NAD	Misc.	Good
13	SP-01/03	5,000 SF	3	Silver Paint	Roof Seams	NAD	Misc.	Good
14	CB-01/03	5,000 LF	3	Covebase and Mastic	Base of Walls	NAD	Misc.	Good

Notes

Due to planned renovation all materials have a high potential for disturbance

* **Quantities should not be used for bidding purposes.**
Materials hidden and not observed due to access restrictions and/or enclosed spaces can change actual quantities. Contractors are strongly encouraged to collect their own measurements prior to submitting bids to verify quantities provided above.

Homogeneous Materials 3, 4, 5, 9, 10, 11, 12, 13, 14 are NOB materials.
Negative PLM results were confirmed with TEM analyses.

Refer to Figure 1 for approximate sample locations

HA	Homogeneous Area		
NAD	No Asbestos Detected		
Surf.	Surfacing Material		
Misc.	Miscellaneous Material		
F	Friable	NF	Non-Friable
LF	Linear Feet	SF	Square Feet
Cat. I	asbestos-containing packings, gaskets, asphaltic roofing products, resilient flooring, pliable sealants and pliable mastics		
Cat. II	non-friable materials other than Category I		
RACM	Regulated Asbestos-Containing Material		

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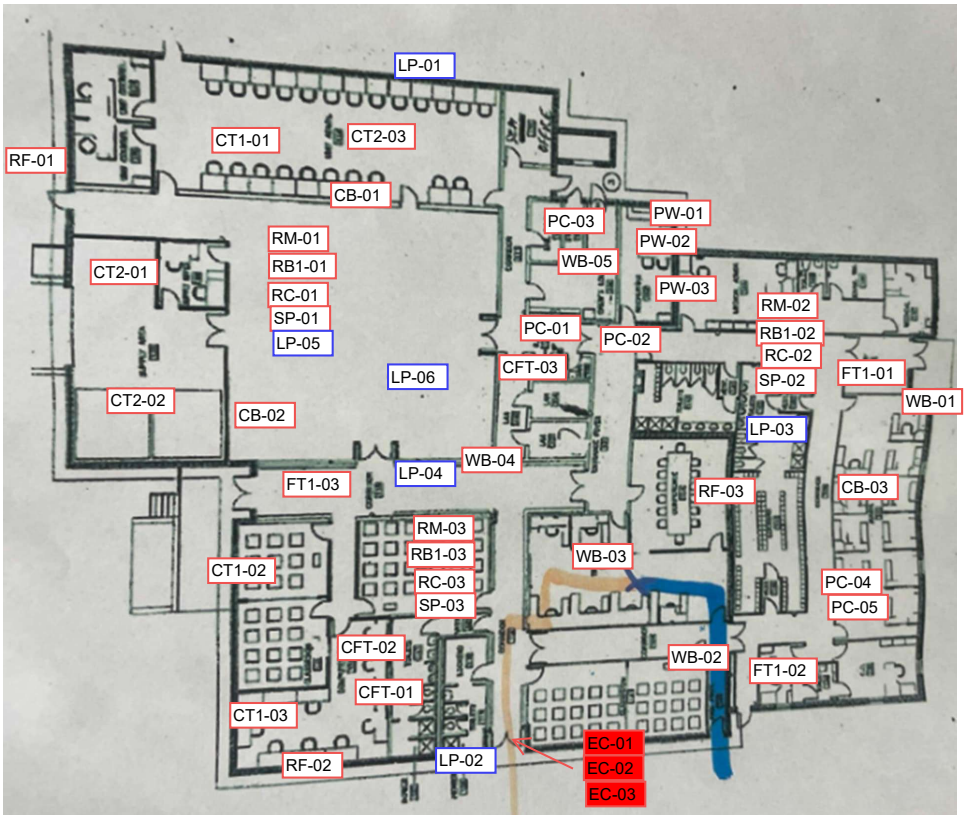
TABLE 2 - Lead Paint Sample Summary
JBC Building 3370
North Charleston, South Carolina
Project No. EN247340

Sample Number	Description	Location	Lab Result
LP-1	Yellow	Exterior	<0.008 % wt
LP-2	Gray Door	Exterior	0.052 % wt
LP-3	Beige	Interior	<0.010 % wt
LP-4	White	Interior Wall	<0.008 % wt
LP-5	Gray	Exterior Roof	0.018 % wt
LP-6	Yellow	HVAC	<0.009 % wt

FIGURES

Site diagram with sample locations



- Asbestos Sample (Positive)
- Asbestos Sample (Negative)
- Lead Based Paint (Positive)
- Lead Based Paint (Negative)

N°

PM:	AJM	Project No.	EN247340
Drawn By:	AJM	Scale:	N.T.S
Checked By:	GP	File Path:	
Approved By:	GP	Date:	12/17/2024

Terracon

1800 Reynolds Avenue North Charleston, SC 29405
Phone: (843) 277 8461 Fax: (843) 884 9234

Sample Location Diagram

JBC Building 3370
North Charleston, South Carolina

Figure
1

APPENDIX A

Photo Documentation

Building 3370
Terracon Project No. EN247340
Date Photos Taken: 12/2/24

#1 View of Site.

#2 View of HA-03: Exterior Caulk

#3 View of Roof.

#4 View of LP-04: Gray Door Paint

#5 View of LP-05: Gray Roof Paint

APPENDIX B

Laboratory reports

EMSL Analytical, Inc.

10801 Southern Loop Blvd Pineville, NC 28134

Tel/Fax: (704) 525-2205 / (704) 525-2382

http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412414031
Customer ID: WPCE62
Customer PO: EN247340
Project ID:

Attention: Andrew Mitroka
Terracon Consultants, Inc.
1800 Reynolds Avenue
North Charleston, SC 29405

Project: EN247340

Phone: (843) 884-1234
Fax: (843) 884-9234
Received Date: 12/06/2024 9:45 AM
Analysis Date: 12/06/2024 - 12/07/2024
Collected Date:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
WB-01-Joint Compound *412414031-0001*	WB - Joint Comp.	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
WB-01-Wallboard *412414031-0001A*	WB - Joint Comp.	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
WB-02-Joint Compound *412414031-0002* *No wallboard present.*	WB - Joint Comp.	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
WB-03-Mastic *412414031-0003*	WB - Joint Comp.	Tan Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
WB-03-Joint Compound *412414031-0003A*	WB - Joint Comp.	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
WB-03-Wallboard *412414031-0003B*	WB - Joint Comp.	White Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
WB-04-Joint Compound *412414031-0004*	WB - Joint Comp.	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
WB-04-Wallboard *412414031-0004A*	WB - Joint Comp.	White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
WB-05-Joint Compound *412414031-0005* *No wallboard present.*	WB - Joint Comp.	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
WB-06 *412414031-0006*	WB - Joint Comp.				**Not Submitted**
WB-07 *412414031-0007*	WB - Joint Comp.				**Not Submitted**
PC-01 *412414031-0008*	Popcorn Ceiling	White Non-Fibrous Homogeneous		40% Ca Carbonate 10% Perlite 50% Non-fibrous (Other)	None Detected
PC-02 *412414031-0009*	Popcorn Ceiling	White Non-Fibrous Homogeneous		40% Ca Carbonate 10% Perlite 50% Non-fibrous (Other)	None Detected
PC-03 *412414031-0010*	Popcorn Ceiling	White Non-Fibrous Homogeneous		40% Ca Carbonate 10% Perlite 50% Non-fibrous (Other)	None Detected
PC-04 *412414031-0011*	Popcorn Ceiling	White Non-Fibrous Homogeneous		20% Ca Carbonate 10% Perlite 70% Non-fibrous (Other)	None Detected

Initial report from: 12/11/2024 07:48:46

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412414031
Customer ID: WPCE62
Customer PO: EN247340
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
PC-05 *412414031-0012*	Popcorn Ceiling	White Non-Fibrous Homogeneous		20% Ca Carbonate 10% Perlite 70% Non-fibrous (Other)	None Detected
EC-01-Gray Caulk *412414031-0013*	Ext. Caulk	Gray/Rust Non-Fibrous Homogeneous		2% Quartz 98% Non-fibrous (Other)	None Detected
EC-01-White Caulk *412414031-0013A*	Ext. Caulk	White/Rust Non-Fibrous Homogeneous		40% Ca Carbonate 58% Non-fibrous (Other)	**2% Chrysotile**
EC-02-Gray Caulk *412414031-0014* *Result includes a small amount of inseparable attached paint.*	Ext. Caulk	Gray Non-Fibrous Heterogeneous		2% Quartz 5% Ca Carbonate 93% Non-fibrous (Other)	None Detected
EC-02-White Caulk *412414031-0014A*	Ext. Caulk	White/Rust Non-Fibrous Homogeneous		25% Ca Carbonate 73% Non-fibrous (Other)	**2% Chrysotile**
PW-01-Mastic *412414031-0016*	Pipe Wrap	White Non-Fibrous Homogeneous	5% Synthetic	5% Quartz 5% Ca Carbonate 85% Non-fibrous (Other)	None Detected
PW-01-Wrap *412414031-0016A*	Pipe Wrap	White/Silver Fibrous Homogeneous	60% Cellulose 15% Glass	25% Non-fibrous (Other)	None Detected
PW-01-Insulation *412414031-0016B*	Pipe Wrap	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (Other)	None Detected
PW-02-Mastic *412414031-0017*	Pipe Wrap	White Non-Fibrous Homogeneous	3% Cellulose	5% Quartz 92% Non-fibrous (Other)	None Detected
PW-02-Wrap *412414031-0017A*	Pipe Wrap	White/Silver Non-Fibrous Homogeneous	70% Cellulose 10% Glass	20% Non-fibrous (Other)	None Detected
PW-02-Insulation *412414031-0017B*	Pipe Wrap	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (Other)	None Detected
PW-03-Wrap *412414031-0018B*	Pipe Wrap	Beige Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
PW-03-Insulation *412414031-0018C*	Pipe Wrap	Yellow Fibrous Homogeneous	99% Glass	1% Non-fibrous (Other)	None Detected
FT1-01-Floor Tile *412414031-0019*	Floor Tile & Mastic	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
FT1-01-Mastic *412414031-0019A*	Floor Tile & Mastic	Yellow Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
FT1-02-Floor Tile *412414031-0020*	Floor Tile & Mastic	Gray Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
FT1-02-Mastic *412414031-0020A*	Floor Tile & Mastic	Yellow Non-Fibrous Homogeneous		<1% Ca Carbonate 100% Non-fibrous (Other)	None Detected
CFT-01-Ceramic Floor Tile *412414031-0022*	Ceramic Floor Tile	Red Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected

Initial report from: 12/11/2024 07:48:46

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412414031
Customer ID: WPCE62
Customer PO: EN247340
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
CFT-01-Grout *412414031-0022A*	Ceramic Floor Tile	Tan Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
CFT-02-Ceramic Floor Tile *412414031-0023*	Ceramic Floor Tile	Red Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
CFT-02-Grout *412414031-0023A*	Ceramic Floor Tile	Tan Non-Fibrous Homogeneous		30% Quartz 70% Non-fibrous (Other)	None Detected
CFT-02-Caulk *412414031-0023B*	Ceramic Floor Tile	Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
CFT-02-Mortar *412414031-0023C*	Ceramic Floor Tile	White Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
CFT-02-Mastic *412414031-0023D*	Ceramic Floor Tile	Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
CFT-03-Ceramic Floor Tile *412414031-0024*	Ceramic Floor Tile	Red Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
CFT-03-Grout *412414031-0024A*	Ceramic Floor Tile	Tan Non-Fibrous Homogeneous		25% Quartz 75% Non-fibrous (Other)	None Detected
CT1-01 *412414031-0025*	Ceiling Tile 2x4	White/Beige Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
CT1-02 *412414031-0026*	Ceiling Tile 2x4	White/Beige Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
CT1-03 *412414031-0027*	Ceiling Tile 2x4	White/Beige Fibrous Homogeneous	60% Cellulose 15% Min. Wool	20% Perlite 5% Non-fibrous (Other)	None Detected
CT2-01 *412414031-0028*	Ceiling Tile	Tan/Beige Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
CT2-02 *412414031-0029*	Ceiling Tile	Tan/Beige Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
CT2-03 *412414031-0030*	Ceiling Tile	Tan Fibrous Homogeneous	50% Cellulose 30% Min. Wool	10% Perlite 10% Non-fibrous (Other)	None Detected
RBL-01-Roofing *412414031-0031*	Roof Bottom Layer	Black Fibrous Homogeneous	5% Glass	2% Quartz 93% Non-fibrous (Other)	None Detected
RBL-01-Foam/Backing *412414031-0031A*	Roof Bottom Layer	Red/Beige Fibrous Homogeneous	40% Cellulose 5% Glass	55% Non-fibrous (Other)	None Detected
RBL-02-Roofing *412414031-0032*	Roof Bottom Layer	Black Non-Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
RBL-02-Foam/Backing *412414031-0032A*	Roof Bottom Layer	Gray/Red/Beige Fibrous Heterogeneous	60% Cellulose 5% Glass	35% Non-fibrous (Other)	None Detected

Initial report from: 12/11/2024 07:48:46

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EMSL Order: 412414031
Customer ID: WPCE62
Customer PO: EN247340
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
RBL-03-Foam/Backing *412414031-0032B*	Roof Bottom Layer	Gray/Red/Beige Fibrous Homogeneous	60% Cellulose 5% Glass	35% Non-fibrous (Other)	None Detected
RF-01 *412414031-0034*	Roof Felt	Black Fibrous Homogeneous	20% Synthetic	10% Ca Carbonate 70% Non-fibrous (Other)	None Detected
RF-02 *412414031-0035*	Roof Felt	White/Black Fibrous Homogeneous	10% Glass	15% Quartz 15% Ca Carbonate 60% Non-fibrous (Other)	None Detected
RF-03-Insulation *412414031-0035A*	Roof Felt	Brown/Gray Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (Other)	None Detected
RM-01 *412414031-0037*	Roof Mastic	Black Non-Fibrous Homogeneous	10% Cellulose	10% Ca Carbonate 80% Non-fibrous (Other)	None Detected
RM-02 *412414031-0038*	Roof Mastic	Black Non-Fibrous Homogeneous	20% Cellulose	10% Ca Carbonate 70% Non-fibrous (Other)	None Detected
RC-01-Roofing *412414031-0040*	Roof Core	White/Black Fibrous Homogeneous	10% Glass	10% Quartz 20% Ca Carbonate 60% Non-fibrous (Other)	None Detected
RC-01-Insulation *412414031-0040A*	Roof Core	Brown/White Fibrous Homogeneous	80% Cellulose	15% Perlite 5% Non-fibrous (Other)	None Detected
RC-01-Foam *412414031-0040B*	Roof Core	Gray/Beige Non-Fibrous Homogeneous	15% Cellulose 3% Glass	82% Non-fibrous (Other)	None Detected
RC-02-Roofing *412414031-0041*	Roof Core	Gray/White/Black Fibrous Homogeneous	10% Glass	3% Quartz 20% Ca Carbonate 67% Non-fibrous (Other)	None Detected
RC-02-Insulation *412414031-0041A*	Roof Core	Brown Fibrous Homogeneous	80% Cellulose	15% Perlite 5% Non-fibrous (Other)	None Detected
RC-02-Foam *412414031-0041B*	Roof Core	Brown/Beige Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
RC-03-Insulation *412414031-0041C*	Roof Core	Brown Fibrous Homogeneous	80% Cellulose	15% Perlite 5% Non-fibrous (Other)	None Detected
RC-03-Foam *412414031-0041D*	Roof Core	Brown/Yellow/Beige Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
SP-01-Silver Paint *412414031-0043*	Silver Paint	Silver Non-Fibrous Homogeneous	3% Cellulose 2% Synthetic 2% Wollastonite	93% Non-fibrous (Other)	None Detected
SP-01-Tar *412414031-0043A*	Silver Paint	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
SP-02-Silver Paint *412414031-0044*	Silver Paint	Silver Non-Fibrous Homogeneous	<1% Cellulose 3% Fibrous (Other)	10% Ca Carbonate 87% Non-fibrous (Other)	None Detected
SP-02-Tar *412414031-0044A* *Result includes a small amount of inseparable attached roofing.*	Silver Paint	Black Non-Fibrous Heterogeneous	10% Cellulose	3% Quartz 87% Non-fibrous (Other)	None Detected
CB-01-Cove Base *412414031-0046*		Gray Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected

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EMSL Order: 412414031
Customer ID: WPCE62
Customer PO: EN247340
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
CB-01-Mastic *412414031-0046A*		Beige Non-Fibrous Homogeneous		5% Ca Carbonate 95% Non-fibrous (Other)	None Detected
CB-02-Cove Base *412414031-0047*		Gray Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
CB-02-Mastic *412414031-0047A*		Tan/Yellow/Beige Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected

Analyst(s)

Ashley Hill (9)
Jessica Glover (37)
Kelsie Dwyer (25)

Lee Plumley, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc. Pineville, NC NVLAP Lab Code 200841-0, VA 3333 00312

Initial report from: 12/11/2024 07:48:46

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
Tel/Fax: (704) 525-2205 / (704) 525-2382
http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412414031
Customer ID: WPCE62
Customer PO: EN247340
Project ID:

Attention: Andrew Mitroka
Terracon Consultants, Inc.
1800 Reynolds Avenue
North Charleston, SC 29405

Project: EN247340

Phone: (843) 884-1234
Fax: (843) 884-9234
Received Date: 12/06/2024 9:45 AM
Analysis Date: 12/10/2024
Collected Date:

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
EC-03-Gray Caulk *412414031-0015*	Ext. Caulk	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
EC-03-White Caulk *412414031-0015A*	Ext. Caulk				
Positive Stop (Not Analyzed)					
PW-03-White Mastic/Wrap *412414031-0018*	Pipe Wrap	Tan/White Fibrous Heterogeneous	100.0 Other	None	No Asbestos Detected
PW-03-Beige Mastic *412414031-0018A*	Pipe Wrap	Beige Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
FT1-03-Floor Tile *412414031-0021*	Floor Tile & Mastic	Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
FT1-03-Mastic *412414031-0021A*	Floor Tile & Mastic	Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
CFT-03-Mastic *412414031-0024B*	Ceramic Floor Tile	Tan Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
CFT-03-Caulk *412414031-0024C*	Ceramic Floor Tile				
Insufficient Material					
RBL-03-Roofing *412414031-0033*	Roof Bottom Layer	Black Non-Fibrous Heterogeneous	100.0 Other	None	No Asbestos Detected
RF-03 *412414031-0036*	Roof Felt	Black Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
RM-03 *412414031-0039*	Roof Mastic	Black Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
RC-03-Roofing *412414031-0042*	Roof Core	Black Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 12/11/2024 07:48:44

EMSL Analytical, Inc.
10801 Southern Loop Blvd Pineville, NC 28134
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http://www.EMSL.com / charlottelab@emsl.com

EMSL Order: 412414031
Customer ID: WPCE62
Customer PO: EN247340
Project ID:

Attention: Andrew Mitroka
Terracon Consultants, Inc.
1800 Reynolds Avenue
North Charleston, SC 29405

Project: EN247340

Phone: (843) 884-1234
Fax: (843) 884-9234
Received Date: 12/06/2024 9:45 AM
Analysis Date: 12/10/2024
Collected Date:

Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM via EPA/600/R-93/116 Section 2.5.5.1

Sample ID	Description	Appearance	% Matrix Material	% Non-Asbestos Fibers	Asbestos Types
SP-03-Silver Paint *412414031-0045*	Silver Paint	Silver Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
SP-03-Tar *412414031-0045A*	Silver Paint	Black Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
CB-03-Cove Base *412414031-0048*		Gray Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
CB-03-Mastic *412414031-0048A*		Tan Non-Fibrous Homogeneous	100.0 Other	None	No Asbestos Detected
WB-03-Mastic *412414031-0048B*					
Insufficient Material					

Analyst(s)
Sarah Breneman (14)

Lee Plumley, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Pineville, NC

Initial report from: 12/11/2024 07:48:44

OrderID: 412414031

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only: 412414031

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnAsblab@EMSL.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Terracon	Company Name:	
Contact Name:		Billing Contact:	
Street Address:		Street Address:	
City, State, Zip:	Country:	City, State, Zip:	Country:
Phone:		Phone:	
Email(s) for Report:		Email(s) for Invoice:	

Project Information

Project Name/No:	EN247340	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected.	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxable)
Sampled By Name:	Andrew Mitola	Sampled By Signature:	Date Sampled: / No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

Test Selection

PLM - Bulk (reporting limit)

- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)
- ☐ POINT COUNT
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ POINT COUNT w/ GRAVIMETRIC
  - ☐ 400 (<0.25%) ☐ 1,000 (<0.1%)
- ☐ NIOSH 9002 (<1%)
- ☐ NYS 198.1 (Friable - NY)
- ☐ NYS 198.6 NOB (Non-Friable - NY)
- ☐ NYS 198.6 (Vermiculite SM-V)

TEM - Bulk

- ☒ TEM EPA NOB
- ☐ NYS NOB 198.4 (Non-Friable - NY)
- ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%)

Other Tests (please specify)

RUN TEM'S SAME TIME

☐ Positive Stop - Clearly Identified Homogeneous Areas (HA)

Sample Number	HA Number	Sample Location	Material Description
WB-01/07			WB / Joint Comp
PC-01/05			popcorn ceiling
EC-01/03			ext. caulk
PW-01/03			pipe wrap
FTI-01/03			Floor tile & Mastic
CFT-01/03			ceramic floor tile
CTI-01/03			ceiling tile 2x4
CT2-01/03			ceiling tile
RBL-01/03			Roof bottom layer
RF-01/03			Roof Felt

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	FedEx	Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by: KLN - Fx 7915 6217 0450	Date/Time 12/6/24 9:45A
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - Asbestos Bulk R7 9/14/2021

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

OrderID: 412414031

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

141031

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnAsblab@EMSL.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	HA Number	Sample Location	Material Description
RM-01/03			Roof Mastic
RC-01/03			Roof Core
SP-01/03			Silver Paint

Method of Shipment:		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document - Asbestos Bulk R7 09/14/2021

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EMSL Analytical, Inc.

10801 Southern Loop Blvd, Pineville, NC, 28134
Telephone: (704) 525-2205 Fax:(704) 525-2382
EMSL-CT-41

EMSL Order ID: 412450653
LIMS Reference ID: LC50653
EMSL Customer ID: WPCE62

Attention: Andrew Mitroka
Terracon Consultants, Inc. [WPCE62]
1800 Reynolds Avenue
North Charleston, SC 29405
(843) 884-1234
andrew.mitroka@terracon.com

Project Name: EN247340

Customer PO: EN247340
EMSL Sales Rep: Jason McDonald
Received: 12/06/2024 09:45
Reported: 12/09/2024 09:14

Analytical Results

Analyte	Results	RL	Weight(g)	Prep Date & Tech	Prep Method	Analysis Date & Analyst	Analytical Method	Q	DF
Client Sample ID: LP-1/Ext. Yellow								**Date Sampled: 12/01/24**	
Matrix: Chips								**LIMS Reference ID: LC50653-01**	
Lead	<0.008 % wt	0.008 % wt	0.2783	12/06/24 EH2	SW-846 3050B	12/06/24 EH	SW 846-7000B		1
Sample Comments:									
Client Sample ID: LP-2/Ext. Gray Door								**Date Sampled: 12/01/24**	
Matrix: Chips								**LIMS Reference ID: LC50653-02**	
Lead	0.052 % wt	0.008 % wt	0.2666	12/06/24 EH2	SW-846 3050B	12/06/24 EH	SW 846-7000B		1
Sample Comments:									
Client Sample ID: LP-3/Beige Int								**Date Sampled: 12/01/24**	
Matrix: Chips								**LIMS Reference ID: LC50653-03**	
Lead	<0.010 % wt	0.010 % wt	0.2095	12/06/24 EH2	SW-846 3050B	12/06/24 EH	SW 846-7000B		1
Sample Comments:									
Client Sample ID: LP-4/White Int Wall								**Date Sampled: 12/01/24**	
Matrix: Chips								**LIMS Reference ID: LC50653-04**	
Lead	<0.008 % wt	0.008 % wt	0.2424	12/06/24 EH2	SW-846 3050B	12/06/24 EH	SW 846-7000B		1
Sample Comments:									
Client Sample ID: LP-5/Gray Ext. Roof								**Date Sampled: 12/01/24**	
Matrix: Chips								**LIMS Reference ID: LC50653-05**	
Lead	0.018 % wt	0.008 % wt	0.2885	12/06/24 EH2	SW-846 3050B	12/06/24 EH	SW 846-7000B		1
Sample Comments:									
Client Sample ID: LP-6/Yellow HVAC								**Date Sampled: 12/01/24**	
Matrix: Chips								**LIMS Reference ID: LC50653-06**	
Lead	<0.009 % wt	0.009 % wt	0.2168	12/06/24 EH2	SW-846 3050B	12/06/24 EH	SW 846-7000B		1
Sample Comments:									

EMSL Analytical, Inc.

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Telephone: (704) 525-2205 Fax:(704) 525-2382
EMSL-CT-41

EMSL Order ID: 412450653
LIMS Reference ID: LC50653
EMSL Customer ID: WPCE62

Attention: Andrew Mitroka
Terracon Consultants, Inc. [WPCE62]
1800 Reynolds Avenue
North Charleston, SC 29405
(843) 884-1234
andrew.mitroka@terracon.com

Project Name: EN247340

Customer PO: EN247340
EMSL Sales Rep: Jason McDonald
Received: 12/06/2024 09:45
Reported: 12/09/2024 09:14

Certified Analyses included in this Report

Analyte	Certifications
SW 846-7000B in Chips	
Lead	41-AIHA ELLAP

List of Certifications

Code	Description	Number	Expires
41-AIHA ELLAP	American Industrial Hygiene Association (AIHA-LAP) - ELLAP	192283	12/01/2024
41-AIHA EMLAP	American Industrial Hygiene Association (AIHA-LAP) - EMLAP	192283	12/01/2024
41-AIHA IHLAP	American Industrial Hygiene Association (AIHA-LAP) - IHLAP	192283	12/01/2024

Please see the specific Field of Testing (FOT) on www.emsl.com <http://www.emsl.com> for a complete listing of parameters for which EMSL is certified.

Notes and Definitions

Item	Definition
(Dig)	For metals analysis, sample was digested.
[2C]	Reported from the second channel in dual column analysis.
DF	Dilution Factor
MDL	Method Detection Limit.
ND	Analyte was NOT DETECTED at or above the detection limit.
NR	Spike/Surrogate showed no recovery.
Q	Qualifier
RL	Reporting Limit
Wet	Sample is not dry weight corrected.

Measurement of uncertainty and any applicable definitions of method modifications are available upon request. Per EPA NLLAP policy, sample results are not blank corrected.

EMSL Analytical, Inc.

10801 Southern Loop Blvd, Pineville, NC, 28134
Telephone: (704) 525-2205 Fax:(704) 525-2382
EMSL-CT-41

EMSL Order ID: 412450653
LIMS Reference ID: LC50653
EMSL Customer ID: WPCE62

Attention: Andrew Mitroka
Terracon Consultants, Inc. [WPCE62]
1800 Reynolds Avenue
North Charleston, SC 29405
(843) 884-1234
andrew.mitroka@terracon.com

Project Name: EN247340

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Aaron Hartley Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. QC sample results are within quality control criteria and met method specifications unless otherwise noted. All results for soil samples are reported on a dry weight basis, unless otherwise noted.

Analysis following EMSL SOP for the Determination of Environmental Lead by FLAA. The laboratory has a reporting limit of 0.008% by wt., based upon a minimum sample weight of 0.25g submitted to the lab, and is not responsible for any result or reporting limit provided in mg/cm2 since it is dependent upon an area value provided by non-lab personnel. A "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty and definitions of modifications are available upon request. Results in this report are not blank corrected unless specified.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

LC50653

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Customer Information		Billing Information	
Customer ID:		Billing ID:	
Company Name:	Tellacom	Company Name:	
Contact Name:		Billing Contact:	
Street Address:		Street Address:	
City, State, Zip:	Country:	City, State, Zip:	Country:
Phone:		Phone:	
Email(s) for Report:		Email(s) for Invoice:	

Project Information

Project Name/No:	EN247340	Purchase Order:	
EMSL LIMS Project ID: (If applicable, EMSL will provide)		US State where samples collected:	State of Connecticut (CT) must select project location: ☐ Commercial (Taxable) ☐ Residential (Non-Taxab'e)
Sampled By Name:	Andrew Mitcle	Sampled By Signature:	No. of Samples in Shipment

Turn-Around-Time (TAT)

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☒ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am.

MATRIX	METHOD	INSTRUMENT	REPORTING LIMIT	SELECTION
CHIPS* ☒ % by wt. ☐ ppm (mg/kg) ☐ mg/cm² *Chips reporting Limit based on a minimum 0.25g sample weight. Not appropriate for Ceramic Tiles - XRF is recommended. *Sample Area Required below for mg/cm²	SW 846-7000B	Flame Atomic Absorption	*Please select reporting limit on left. -0.008% -80 ppm -mg/cm² - RL is Variable	☒
	SW 846-6010D*	ICP-OES	*Please select reporting limit. on left. -0.0004% -40 ppm -mg/cm² - RL is Variable	☐
AIR	NIOSH 7082	Flame Atomic Absorption	4µg/filter	☐
	NIOSH 7303M	ICP-OES	1.0µg/filter	☐
	NIOSH 7303M	ICP-MS	0.05µg/filter	☐
WIPE ☐ ASTM ☐ NON-ASTM *If no box is checked, non-ASTM Wipe is assumed	SW 846-7000B	Flame Atomic Absorption	10µg/wipe	☐
	SW 846-6010D*	ICP-OES	1.0µg/wipe	☐
TCLP	SW 846-1311 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1311 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
SPLP	SW 846-1312 / 7000B / SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	SW 846-1312 / SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
TTLC	22 CCR App. II, 7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
STLC	22 CCR App. II, 7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	22 CCR App. II, SW 846-6010D*	ICP-OES	0.1 mg/L (ppm)	☐
Soil	SW 846-7000B	Flame Atomic Absorption	40mg/kg (ppm)	☐
	SW 846-6010D*	ICP-OES	2mg/kg (ppm)	☐
Wastewater Unpreserved ☐ Preserved with HNO3 ☐ PH<2	SM 3111B / SW 846-7000B	Flame Atomic Absorption	0.4 mg/L (ppm)	☐
	EPA 200.7	ICP-OES	0.020 mg/L (ppm)	☐
Drinking Water Unpreserved ☐ Preserved with HNO3 ☐ PH<2	EPA 200.5	ICP-OES	0.003 mg/L (ppm)	☐
	EPA 200.8	ICP-MS	0.001 mg/L (ppm)	☐
TSP/SPM Filter	40 CFR Part 50	ICP-OES	12 µg/filter	☐
Other:				☐

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
LP-1	Ext. yellow		12/1/24
LP-2	Ext gray door		
LP-3	Beige Int		
LP-4	white Int wall		
LP-5	Gray exte. roof		

Method of Shipment:	FedEx	Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by: Kyle Nl +x 7815621 0450	Date/Time 12/6/24 9:45Am
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document COC-25 Lead R19 08/19/2024

*6010C Available Upon Request

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL A acceptance and acknowledgment of all terms and conditions by Customer.

EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Lead Chain of Custody

EMSL Order Number / Lab Use Only

L50653

EMSL Analytical, Inc.
200 Route 130 North
Cinnaminson, NJ 08077

PHONE: (800) 220-3675
EMAIL: CinnaminsonLeadLab@emsl.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Sample Number	Sample Location	Volume / Area	Date / Time Sampled
LP-06	yellow HVAC		↓

Method of Shipment: FedEx		Sample Condition Upon Receipt:	
Relinquished by:	Date/Time:	Received by:	Date/Time
Relinquished by:	Date/Time:	Received by:	Date/Time

Controlled Document COC-25 Lead R19 08/19/2024

☐ AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

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APPENDIX C

Inspector credentials

Terracon

SCDES ISSUED

Asbestos ID Card

Andrew Mitroka

		Expiration Date:
AIRSAMPLER	AS-00605	07/09/25
CONSULTBI	BI-01871	07/10/25
SUPERAHERA	SA-03255	07/09/25