

Asbestos & Lead Based Paint Assessment

City of Spartanburg 567 Farley Avenue Spartanburg, South Carolina 29301

Prepared for:

The City of Spartanburg 440 South Church St., Suite B Spartanburg, South Carolina 29306

Prepared by:

Apex Environmental Management, Inc. 7 Winchester Court Mauldin, South Carolina 29662

Project Number: 0519-118

July 22, 2019





7 Winchester Court Mauldin, SC 29662 864.404.3210 office 864.404.3213 fax

802 E. Martintown Rd N. Augusta, SC 29841 803.440-2790 office

www.apex-ehs.com

SERVICES

Indoor Air Quality

Mold Remediation

Asbestos & Lead

Industrial Hygiene

Worker Health & Safety

Mold Consulting

Moisture Management Plans

Safety Assessment

Environmental Site Assessments

Hazard Communication

Apex Project Number 0519-118

July 22, 2019

Mr. Jeff Tillerson City of Spartanburg 440 South Church Street, Suite B Spartanburg, SC 29306

Reference: Asbestos and Lead-Based Paint Assessment Services

567 Farley Avenue

Spartanburg, South Carolina 29301

Dear Mr. Tillerson:

Apex Environmental Management, Inc. (Apex) is pleased to provide the results of our assessment services for the referenced property.

This report and the associated attachments summarize our evaluation of the conditions observed at the project site. The findings presented by Apex are based upon sampling performed in the subject building. There is a chance that undetected ACM may exist in the building between walls or in other areas that would only be exposed during demolition or structural renovations. Should material be discovered that could potentially contain asbestos during the demolition process, additional samples of the material should be collected by a licensed asbestos inspector and submitted to an accredited laboratory for analytical interpretation. Our recommendations are based on the guidelines presented in EPA and/or OSHA regulations.

Please note that this document is not a specification for asbestos removal. It does not contain means and methods for abatement. Quantities are estimates and contractors must verify amounts prior to bidding or removal. If you are planning an abatement project, please contact Apex to discuss the requirements. Use of this document without the express written consent of Apex is at the sole risk of the user and or/abatement contractor.

The conclusions and/or recommendations contained in this report are based on our understanding of the applicable standards at the time this report was prepared. No warranty, expressed or implied, is made. If you have any questions please feel free to contact us at (864) 404-3210.

Respectfully submitted,

APEX ENVIRONMENTAL MANAGEMENT, INC.

Tom Oliver

Director of Operations

Appendices

ASBESTOS AND LEAD BASED PAINT ASSESSMENT

CITY OF SPARTANBURG 567 FARLEY AVENUE SPARTANBURG, SOUTH CAROLINA 29301

APEX PROJECT NO. 0519-118

TABLE OF CONTENTS

SECTION

| Asbestos & Lead Evaluation Report |
|--|
| Asbestos & LBP Data Tables |
| Laboratory Analytical Results & Chain of Custody |
| Photographic Log |
| SC DHEC Asbestos Inspector License |
| |

SECTION I

Asbestos & Lead Evaluation Report

ASBESTOS EVALUATION REPORT APEX PROJECT NUMBER: 0519-118

Date: 7/22/2019 Page Number: 1 of 4

Number:

Assessment:

Number:

Client: City of Spartanburg Client Contact: Mr. Jeff Tillerson Client 440 South Church Street Client Phone (864) 596-2911

Address: Suite B Spartanburg, SC 29306

Project: Asbestos Evaluation and

Lead Based Paint

Assessment

Property 567 Farley Avenue Address: Spartanburg, SC 29301

Assessor: Tom Oliver Date of 7/4/2019

Company: Apex Environmental Phone (864) 404-3210

Management 7 Winchester Court Mauldin, SC 29662

Purpose of Demolition Age of Approximately 110
Assessment: Structure: years

Building Residential Number of 2 Including Finished

Type: Stories: Basement

Foundation: Finished Basement Approximate 1,325 SF

Square Footage

EXTERIOR BUILDING MATERIALS

- Pitched wooden framed roof with metal & sealant.
- Roof shingles & no felt on the front door awning.
- Wooden clapboard siding.
- Wooden windows with glazing & caulk on the glass panes.
- Vinyl windows with no caulk.
- Wooden window casings with caulk.
- Wooden doors with no caulk.

INTERIOR BUILDING MATERIALS

- Drywall with joint compound & tape walls & ceilings scattered throughout.
- Plaster with finish scattered throughout.
- Popcorn ceiling texture throughout the main level except in the bathroom & hallway.
- Multiple types of vinyl flooring with & without mastics & leveling compound.
- Vinyl floor exists under wood.
- Carpet over wooden floors.
- Mastic behind tub/shower surround in the main level bathroom.

City of Spartanburg 567 Farley Avenue Apex Project No. 0519-118 July 22, 2019

SCOPE OF THE SURVEY

The objectives of the asbestos and lead assessment included the following:

- Identification of suspect asbestos-containing material (ACM) and lead based paints (LBP) in readily observable locations. Limited demolition of building finishes was conducted.
- Asbestos survey with sample collection by a South Carolina accredited inspector.
- Suspect ACM analysis by polarized light microscopy (PLM) utilizing EMSL Analytical, Inc. (EMSL) as an NVLAP certified laboratory, their accreditation number is 200841-0.
- Transmission electron microscopy (TEM) analysis of non-friable organically bound materials suspected to contain asbestos and testing negatively by PLM analysis.
- Lead inspection by a lead inspector certified by the Environmental Protection Agency and licensed to conduct LBP surveys in South Carolina.
- In situ analysis of suspected lead based paints by X-ray fluorescence (XRF).
- Presenting the results in a report identifying confirmed ACMs and LBPs.

METHODS

Asbestos Containing Materials

In order to determine if the suspect materials observed during the visual survey contained asbestos, representative bulk samples were collected and placed in sealed packages. Forty-six (46) bulk samples were collected during the survey and submitted to EMSL Analytical, Inc. (EMSL) in Charlotte, North Carolina for analysis using the EPA recommended method of Polarized Light Microscopy (PLM) coupled with dispersion staining (Method No. EPA 600/M4-82-020, Dec. 1982). EMSL participates in the National Voluntary Laboratory Accreditation Program (NVLAP). Their NVLAP accreditation number is 200841-0. EPA regulations require that multiple samples of each homogeneous material be collected for laboratory analysis and are split into homogeneous layers and each layer is analyzed separately. Sixty-one (61) samples were analyzed due to layering by PLM method and positive stop methods. In accordance with SC DHEC Regulation 61-86.1, non-friable organically bound materials that are reported to be non-asbestos containing by PLM analysis must also be analyzed by Transmission Electron Microscopy (TEM). Fourteen (14) samples were analyzed using TEM.

Lead-Based Paint

Lead painted surfaces were analyzed in place using X-ray fluorescence. Painted surfaces were selected based on color of topcoat, underlying layers and substrate on which it was painted.

RESULTS

Asbestos Results

The EPA defines an asbestos-containing material (ACM) as a material containing more than 1% asbestos. OSHA defines ACM as a material containing detectable amounts of asbestos. Provided below is a general discussion of the asbestos containing materials identified in the residence. A specific *PLM and TEM Data Table* is located in Appendix II of this report and identifies positive materials and designates approximate quantities.

Suspect asbestos containing materials that were identified to be asbestos containing include:

City of Spartanburg 567 Farley Avenue Apex Project No. 0519-118 July 22, 2019

Approximately 1,600 SF of metal roof sealant.

Lead Based Paint

OSHA does not recognize a threshold level of lead for definition purposes, only the presence or absence of lead. The current OSHA regulations recognize an airborne action level of thirty micrograms per cubic meter (30 μ g/m³) during an eight-hour workday and a permissible exposure level of fifty micrograms per cubic meter (50 μ g/m³) for employees.

Currently, the EPA defines LBP as paint containing in excess of, or equal to, 1.0 mg/cm². The laboratory analytical results are included in the LBP Analysis Report in Appendix II of this report. The approximate locations of the paint samples collected and analytical results are presented in the LBP Data Table included in Appendix II of this report.

Several surfaces in the building tested positive for lead in excess of the regulatory definition:

Exterior:

Yellow wooden siding & corner trim.

Interior:

- Beige brick fireplaces.
- White wooden windows.

RECOMMENDATIONS AND DISCUSSION

Asbestos Containing Materials

If the above referenced asbestos materials are to be disturbed by renovations or demolition, the asbestos must be removed in accordance with EPA, State of South Carolina and OSHA asbestos regulations. The State of South Carolina, Department of Health and Environmental Control (DHEC) has specific regulations that must be adhered to during asbestos removal/abatement projects.

Apex recommends the following:

- 1. Abate the asbestos containing materials in the structure prior to renovation or demolition.
- 2. Follow applicable asbestos regulations during renovation or demolition of the structure. You should be aware that stringent requirements are imposed upon anyone renovating or demolishing a structure in which ACM will be disturbed. This work must be performed in accordance with OSHA asbestos regulations, 29 CFR 1910 & 1926, and NESHAP asbestos regulations 40 CFR 61, subpart M. South Carolina regulations require the accreditation of personnel who work in the asbestos field and notification and permitting fees for asbestos removal projects. There is a 10 working day notification period required prior to abatement of asbestos in a facility. Failure to take proper precautions and actions to protect human health and the environment can result in penalties, danger to personnel, and construction delays.

City of Spartanburg 567 Farley Avenue Apex Project No. 0519-118 July 22, 2019

Lead-Based Paint

Currently the EPA defines LBP as paint containing greater than 1.0 milligrams per square centimeter (mg/cm²) lead or in excess of, or equal to, 0.5 percent lead. Building materials identified as being painted with LBP should be segregated from the other building materials and recycled or disposed of in a municipal lined landfill.

Changes to SC DHEC and federal regulations have changed the disposal options for LBP waste and LBP residue. LBP waste is defined as material such as wood, brick, metal, etc. that is coated with LBP. LBP residue is defined as residue that is generated from the removal (scraped, chipped, sandblasted, chemical means, etc.) of LBP from a structure. The regulations allow LBP waste from residential and commercial structures to be disposed of in Class 2 (construction and demolition debris) and Class 3 (municipal solid waste or industrial) landfills in South Carolina. The management of LBP residue is based on the source and lead concentration characterized by Toxic Characteristic Leaching Procedures (TCLP) to determine if the waste is classified as hazardous or non-hazardous. LBP residues that have TCLP sample results less than 5 milligrams per liter (mg/L) lead may be disposed of in a Class 3 landfill and is considered to be non-hazardous. LBP residues that have TCLP sample results equal to or greater than 5 mg/L lead should be disposed of in a Subtitle C landfill and is considered to be hazardous. However, the landfills should be contacted to determine their specific disposal requirements.

Occupational Safety and Health Administration Lead Regulations apply to actions initiated on lead containing materials. This regulation applies to lead concentrations greater than the analytical limit of detection. This regulation sets exposure levels on airborne lead and does not reference the percent lead in paint. Therefore, initial personal air monitoring should be conducted on workers performing work on surfaces which have a lead concentration of 0.1 mg/cm² or above to satisfy the OSHA requirements. If a baseline exposure lower than the OSHA Action Level of 30 micrograms per cubic meter (μ g/m³) is established, personal air monitoring may be terminated. The full OSHA lead standard should be referenced for compliance.

A copy of this report must be submitted to SCDHEC at least ten (10) working days prior to demolition when applying for a demolition permit.

SECTION II Asbestos & LBP Data Tables

ASBESTOS SURVEY FIELD DATA SHEET PLM & TEM ANALYSIS

Project Name: COS 567 Farley Avenue ACM/LBP Sampled By: Tom Oliver

Project Location: 567 Farley Avenue, Spartanburg, South Carolina 29301 Project Manager: Tom Oliver

Project Number: 0519-118 Date: 7/4/2019

| Sample No. | Location | Sample Description | Analytical Results | Friable/Non Friable | Condition | Quantity |
|------------|--|---------------------------------------|---------------------|------------------------|-----------|----------|
| 1 | | | | | | |
| 2 | Roof | Metal roof sealant | PLM - 3% chrysotile | Non-Friable | Good | 1,600 SF |
| 3 | | | | | | |
| 4 | Frant door overing | | PLM - NAD | | | |
| 5 | Front door awning roof | Roof shingles (2 layers) with no felt | PLIVI - INAD | Non-Friable | Good | 15 SF |
| 6 | 1001 | | TEM - NAD | | | |
| 7 | | | PLM - NAD | | | |
| 8 | Wooden windows Window glazing | | PLIVI - NAD | Non-Friable | Good | 2 EA |
| 9 | | | TEM - NAD | | | |
| 10 | | | PLM - NAD | | | |
| 11 | Wooden windows Window caulk on glass panes | | FLIVI - IVAD | Non-Friable | Good | 10 EA |
| 12 | | | TEM - NAD | | | |
| 13 | Mandan di A | | PLM - NAD | | | |
| 14 | vvooden window casings | Wooden window Caulk on window casings | | Non-Friable | Good | 14 EA |
| 15 | odolingo | | TEM - NAD | | | |
| 16 | Throughout main | | | | | |
| 17 | level except in | Popcorn ceiling texture | PLM - NAD | Friable | Good | 800 SF |
| 18 | bathroom & hallway | | | | | |
| 19 | | | | | | |
| 20 |] | | | | | |
| 21 | Throughout | Drywall with joint compound & tape | PLM - NAD | Friable | Good | 2,000 SF |
| 22 |] | | | | | |
| 23 |] | | | | | |

ASBESTOS SURVEY FIELD DATA SHEET PLM & TEM ANALYSIS

Project Name: COS 567 Farley Avenue ACM/LBP Sampled By: Tom Oliver

Project Location: 567 Farley Avenue, Spartanburg, South Carolina 29301 Project Manager: Tom Oliver

Project Number: 0519-118 Date: 7/4/2019

| Sample No. | Location | Sample Description | Analytical Results | Friable/Non Friable | Condition | Quantity |
|------------|---------------------------------|--|--------------------|------------------------|-----------|----------|
| 24 | | | | | | |
| 25 | | | | | | |
| 26 | Throughout | Plaster with finish | PLM - NAD | Friable | Good | 2,000 SF |
| 27 | | | | | | |
| 28 | | | | | | |
| 29 | Main layed from left | | PLM - NAD | | | |
| 30 | Main level - front left room | Gray square diamond pattern self- stick floor tile & mastic | I LIVI - NAD | Non-Friable | Good | 100 SF |
| 31 | 100111 | Stick floor the d fridetic | TEM - NAD | | | |
| 32 | Main lovel Jounday | Cray aguara blue diamond nottern viny | PLM - NAD | Non-Friable | Good | |
| 33 | room & bathroom | Gray square blue diamond pattern vinyl floor & mastic | I LIVI - IVAD | | | 105 SF |
| 34 | Toom a barnoom | noor a maste | TEM - NAD | | | |
| 35 | | Daine agreementant visual flags 9 | PLM - NAD | | Good | |
| 36 | Main level - kitchen | Beige square pattern vinyl floor & mastic | I LIVI - IVAD | Non-Friable | | 145 SF |
| 37 | | madud | TEM - NAD | | | |
| 38 | | | PLM - NAD | | | |
| 39 | Main level - kitchen under wood | Dark flooring with no mastic | FLIVI - NAD | Non-Friable | Good | 145 SF |
| 40 | ander weed | | TEM - NAD | | | |
| 41 | Main laval | | PLM - NAD | | | |
| 42 | Main level - bathroom | Mastic under tub/shower surround | F LIVI - IVAD | Non-Friable | Good | 70 SF |
| 43 | | | TEM - NAD | | | |
| 44 | | Deign amall agreem visual flaces | PLM - NAD | | | |
| 45 | Basement - hallway | Beige small square vinyl floor & leveling compound | FLIVI - INAU | Non-Friable | Good | 100 SF |
| 46 | | loveling compound | TEM - NAD | | | |

NAD = No Asbestos Detected

LF = Linear Feet

EA = Each

Amos = Amosite

Bold = Positive For Asbestos

SF = Square Feet

Chry = Chrysotile

FT3 = Cubic Feet

FIELD DATA SHEET XRF LBP ANALYSIS

Project Name: COS 567 Farley Avenue ACM/LBP Sampled By: Tom Oliver

Project Location: 567 Farley Avenue, Spartanburg, SC 29301 Project Manager: Tom Oliver

Project Number: 0519-118 Date: 7/4/2019

| Sample No. | Sample Location | Component | Color | Substrate | Analytical Result (mg/m³) |
|------------|----------------------|------------------|--------|-----------|---------------------------|
| 1 | | Standardization | າ | | 185.00 |
| 2 | | Calibration | | | 1.18 |
| 3 | | Calibration | | | 1.19 |
| 4 | | Calibration | | | 1.13 |
| 5 | Exterior front porch | Window | White | Wood | 0.00 |
| 6 | Exterior front porch | Window frame | White | Wood | 0.00 |
| 7 | Exterior front porch | Door frame | White | Wood | 0.00 |
| 8 | Exterior front porch | Awning ceiling | White | Wood | 0.00 |
| 9 | Exterior front porch | Awning frame | White | Wood | 0.00 |
| 10 | Exterior front porch | Awning trim | White | Wood | 0.00 |
| 11 | Exterior front porch | Top hand rail | White | Wood | 0.00 |
| 12 | Exterior front porch | Handrail post | White | Wood | 0.00 |
| 13 | Exterior front porch | Baluster | White | Wood | 0.00 |
| 14 | Exterior front porch | Fascia | White | Wood | 0.97 |
| 15 | Exterior front porch | Soffit | White | Wood | 0.11 |
| 16 | Exterior front porch | Door | Black | Wood | 0.00 |
| 17 | Exterior | Clapboard siding | Yellow | Wood | 5.00 |
| 18 | Exterior | Corner trim | Yellow | Wood | 5.00 |
| 19 | Exterior | Siding | Yellow | Wood | 0.00 |
| 20 | Exterior | Window frame | White | Wood | 0.40 |
| 21 | Exterior | Window | White | Wood | 0.53 |
| 22 | Exterior | Door frame | White | Wood | 0.00 |
| 23 | Exterior | Door | White | Metal | 0.00 |
| 24 | Interior | Wall | White | Plaster | 0.01 |
| 25 | Interior | Wall | White | Drywall | 0.00 |

FIELD DATA SHEET XRF LBP ANALYSIS

Project Name: COS 567 Farley Avenue ACM/LBP Sampled By: Tom Oliver

Project Location: 567 Farley Avenue, Spartanburg, SC 29301 Project Manager: Tom Oliver

Project Number: 0519-118 Date: 7/4/2019

| Sample No. | Sample Location | Component Co | | Substrate | Analytical Result (mg/m³) |
|------------|-----------------|----------------|--------|-----------|---------------------------|
| 26 | Interior | Wall | Beige | Plaster | 0.00 |
| 27 | Interior | Base board | White | Wood | 0.08 |
| 28 | Interior | Ceiling | White | Drywall | 0.00 |
| 29 | Interior | Fire place | Beige | Brick | 5.00 |
| 30 | Interior | Newel post | White | Wood | 0.14 |
| 31 | Interior | Stair tread | White | Wood | 0.01 |
| 32 | Interior | Stair riser | White | Wood | 0.13 |
| 33 | Interior | Stair stringer | White | Wood | 0.00 |
| 34 | Interior | Stair handrail | Brown | Wood | 0.00 |
| 35 | Interior | Wall | Green | Drywall | 0.00 |
| 36 | Interior | Chair rail | Beige | Wood | 0.00 |
| 37 | Interior | Base board | Beige | Wood | 0.00 |
| 38 | Interior | Fire place | Blue | Brick | 0.00 |
| 39 | Interior | Door frame | White | Wood | 0.06 |
| 40 | Interior | Door | White | Wood | 0.08 |
| 41 | Interior | Window frame | White | Wood | 0.15 |
| 42 | Interior | Window | White | Wood | 3.67 |
| 43 | Interior | Wall | Yellow | Drywall | 0.00 |
| 44 | Interior | Wall | Blue | Drywall | 0.00 |
| 45 | Interior | Wall | Gray | Drywall | 0.00 |
| 46 | Interior | Chair rail | White | Wood | 0.08 |
| 47 | Interior | Floor | Beige | Wood | 0.01 |
| 48 | | Calibration | | | 1.18 |
| 49 | | Calibration | | | 1.08 |
| 50 | | 1.15 | | | |

Bold = LBP FFM = Factory Finish Metal

FFM = Factory Finish Vinyl

SECTION III

Laboratory Analytical Results & Chain of Custody



Attention: Tom Oliver

EMSL Order: 411906852 **Customer ID:** AXEM25

Customer PO: Project ID:

Phone: (864) 640-5274

Fax:

Received Date: 07/09/2019 9:20 AM **Analysis Date:** 07/10/2019 - 07/15/2019

Collected Date: 07/04/2019

Project: 0519-118 COS 567 Farley Avenue

7 Winchester Court

Mauldin, SC 29662

Apex Environmental Management

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

| | | | <u>Asbestos</u> | | |
|--------------------------------|---------------------------------------|--|---------------------------|---|---------------|
| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Type |
| 1 411906852-0001 | Metal Roof Sealant | White/Black/Rust Non-Fibrous Homogeneous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 2 | Metal Roof Sealant | Black/Rust Non-Fibrous | | 97% Non-fibrous (Other) | 3% Chrysotile |
| 411906852-0002 | | Homogeneous | | | |
| 4-Shingle 1 | Roof Shingles (2 Layers) & No Felt | Gray/Black Fibrous | 8% Glass | 92% Non-fibrous (Other) | None Detected |
| 411906852-0003 | D - (Obi 1 (0 | Homogeneous | 440/ O-III-I | OOM Name Sharens (Others) | Nove Between |
| 4-Shingle 2 411906852-0003A | Roof Shingles (2 Layers) & No Felt | Black Fibrous | <1% Cellulose 8% Glass | 92% Non-fibrous (Other) | None Detected |
| | D - (Ob' 1 (0 | Homogeneous | 40/ O-III-I | OOM New Shares (Others) | None Betreted |
| 5-Shingle 1 | Roof Shingles (2 Layers) & No Felt | Gray/Black Fibrous Heterogeneous | <1% Cellulose 2% Glass | 98% Non-fibrous (Other) | None Detected |
| | Poof Shingles (2 | Black | <1% Cellulose | 08% Non fibrage (Other) | None Detected |
| 5-Shingle 2 411906852-0004A | Roof Shingles (2 Layers) & No Felt | Non-Fibrous Heterogeneous | 2% Glass | 98% Non-fibrous (Other) | None Detected |
| 7 | Window Clarina | | z10/ Callulana | 1009/ Non fibraria (Other) | None Detected |
| <i>l</i> 411906852-0005 | Window Glazing | Tan/White/Beige Non-Fibrous Homogeneous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 8 | Window Glazing | Gray/White/Green Non-Fibrous | <1% Cellulose | 10% Ca Carbonate 90% Non-fibrous (Other) | None Detected |
| 411906852-0006 | | Homogeneous | | oo /s Non iibrodo (Guier) | |
| 10 | Window Caulk on Glass Pane | Brown/Tan/Beige Non-Fibrous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0007 | | Homogeneous | | | |
| 11 | Window Caulk on Glass Pane | Brown/Tan/Beige Non-Fibrous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0008 | | Homogeneous | | | |
| 13 | Caulk on Window Casing | White/Beige Non-Fibrous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0009 | | Homogeneous | | | |
| 14 | Caulk on Window Casing | White/Beige Non-Fibrous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0010 | | Homogeneous | | | |
| 16 411906852-0011 | Popcorn Ceiling Texture | White Non-Fibrous | <1% Cellulose | 20% Ca Carbonate 80% Non-fibrous (Other) | None Detected |
| | | Homogeneous | | 050/ 0 0 : : | N = |
| 17 | Popcorn Ceiling Texture | White Non-Fibrous | <1% Cellulose | 25% Ca Carbonate 75% Non-fibrous (Other) | None Detected |
| 411906852-0012 | | Homogeneous | | 2007 0 0 1 1 | N = |
| 18 411906852-0013 | Popcorn Ceiling Texture | White Non-Fibrous Homogeneous | | 30% Ca Carbonate 70% Non-fibrous (Other) | None Detected |
| 19-Drywall | Drywall & JC & Tape | Brown/White | 8% Cellulose | 92% Non-fibrous (Other) | None Detected |
| 411906852-0014 | | Fibrous Heterogeneous | | | |



Customer PO: Project ID:

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

| | | | <u>Asbestos</u> | | |
|----------------------------|---------------------|--|---------------------------|---|-----------------|
| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Type |
| 19-Joint Compound | Drywall & JC & Tape | White Non-Fibrous | <1% Cellulose | 30% Ca Carbonate 70% Non-fibrous (Other) | None Detected |
| 19-Tape | Drywall & JC & Tape | Homogeneous Beige | 99% Cellulose | 1% Non-fibrous (Other) | None Detected |
| 19-1ape 411906852-0014B | Drywaii & 3C & Tape | Fibrous Homogeneous | 99 % Centiose | 1 /8 Non-librous (Other) | None Detected |
| 20-Drywall | Drywall & JC & Tape | Brown/White | 10% Cellulose | 89% Non-fibrous (Other) | None Detected |
| 111906852-0015 | 2., a 00 a 1apo | Fibrous Heterogeneous | 1% Glass | 33 /3 / 131/ 131333 (3 1131/) | 110.10 20100104 |
| 20-Joint Compound | Drywall & JC & Tape | White | 1% Cellulose | 30% Ca Carbonate | None Detected |
| 11906852-0015A | , | Non-Fibrous Homogeneous | | 69% Non-fibrous (Other) | |
| :0-Tape | Drywall & JC & Tape | Beige | | 100% Non-fibrous (Other) | None Detected |
| .о таро | Diyiran a co a rapo | Fibrous | | | 110.10 20100104 |
| 11906852-0015B | | Homogeneous | | | |
| 1-Drywall | Drywall & JC & Tape | Brown/White Fibrous | 8% Cellulose | 92% Non-fibrous (Other) | None Detected |
| 11906852-0016 | | Heterogeneous | | | |
| 21-Joint Compound | Drywall & JC & Tape | White Fibrous | <1% Cellulose 3% Glass | 30% Ca Carbonate 67% Non-fibrous (Other) | None Detected |
| 11906852-0016A | D | Homogeneous | 000/ 0-11-1 | ON/ Name Sharens (Others) | News Betseted |
| 21-Tape 11906852-0016B | Drywall & JC & Tape | Beige Fibrous | 98% Cellulose | 2% Non-fibrous (Other) | None Detected |
| | Dravell 9 IC 9 Topo | Homogeneous Prown/Crov | 15% Cellulose | 949/ Non fibroup (Othor) | None Detected |
| 2-Drywall 11906852-0017 | Drywall & JC & Tape | Brown/Gray Fibrous Heterogeneous | 1% Glass | 84% Non-fibrous (Other) | None Detected |
| 2-Joint Compound | Drywall & JC & Tape | White | | 30% Ca Carbonate | None Detected |
| 11906852-0017A | Drywan a 00 a Tape | Non-Fibrous Homogeneous | | 70% Non-fibrous (Other) | None Beledied |
| 2-Tape | Drywall & JC & Tape | Beige | 100% Cellulose | | None Detected |
| 11906852-0017B | , | Fibrous Homogeneous | | | |
| 23-Drywall | Drywall & JC & Tape | Brown/Gray | 15% Cellulose | 84% Non-fibrous (Other) | None Detected |
| 11906852-0018 | | Fibrous | 1% Glass | | |
| | Drywall & JC & Tape | Heterogeneous | | 200/ Co Corbonata | None Detected |
| 3-Joint Compound | Drywaii & JC & Tape | White Non-Fibrous Homogeneous | | 30% Ca Carbonate 70% Non-fibrous (Other) | None Detected |
| :3-Tape | Drywall & JC & Tape | Beige | 100% Cellulose | | None Detected |
| • | Drywan & JO & Tape | Fibrous | 100 % Cellulose | | None Detected |
| 11906852-0018B | Plaster w/ Finish | Homogeneous White | | 20% Ca Carbonate | None Detected |
| 24-Skim Coat | Fiasici W/ FIIIISII | Non-Fibrous | | 80% Non-fibrous (Other) | None Detected |
| 11906852-0019 | | Homogeneous | | | |
| 24-Rough Coat | Plaster w/ Finish | Gray Non-Fibrous Heterogeneous | 1% Cellulose | 40% Quartz 59% Non-fibrous (Other) | None Detected |
| | Plaster w/ Finish | - | | 10% Ca Carbonate | None Detected |
| 25-Skim Coat | riastei w/ rinish | White Non-Fibrous | | 90% Non-fibrous (Other) | None Detected |
| | Digetor w/ Cirish | Homogeneous | 410/ Callulana | 25% Overt- | None Datastad |
| 25-Rough Coat | Plaster w/ Finish | Gray/Tan Non-Fibrous Homogeneous | <1% Cellulose <1% Hair | 35% Quartz 65% Non-fibrous (Other) | None Detected |
| 26-Skim Coat | Plaster w/ Finish | White | | 10% Ca Carbonate | None Detected |
| 111906852-0021 | | Non-Fibrous Homogeneous | | 90% Non-fibrous (Other) | |



Customer PO: Project ID:

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

| | | | <u>Asbestos</u> | | |
|----------------------------------|---|--|-------------------------------|---|---------------|
| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Type |
| 26-Rough Coat | Plaster w/ Finish | Gray/Tan Non-Fibrous | <1% Cellulose <1% Hair | 35% Quartz 65% Non-fibrous (Other) | None Detected |
| 411906852-0021A | | Homogeneous | | | |
| 27-Skim Coat 411906852-0022 | Plaster w/ Finish | White Non-Fibrous | | 10% Ca Carbonate 90% Non-fibrous (Other) | None Detected |
| | Disease of Finish | Homogeneous | 140/ O-III-I | OFOV Overde | New Detected |
| 27-Rough Coat | Plaster w/ Finish | Gray/Tan Non-Fibrous Homogeneous | <1% Cellulose <1% Hair | 35% Quartz 65% Non-fibrous (Other) | None Detected |
| 28-Skim Coat | Plaster w/ Finish | White | | 10% Ca Carbonate | None Detected |
| 28-SKIIII COAL 411906852-0023 | Plastel W/Fillisti | Non-Fibrous Homogeneous | | 90% Non-fibrous (Other) | None Detected |
| 28-Rough Coat | Plaster w/ Finish | Gray/Tan | <1% Cellulose | 35% Quartz | None Detected |
| 411906852-0023A | Flastel W/Fillisti | Non-Fibrous Homogeneous | <1% Celidiose <1% Hair | 65% Non-fibrous (Other) | None Detected |
| 29-Flooring | Gray Square | Beige | <1% Cellulose | 15% Quartz | None Detected |
| 411906852-0024 | Diamond Pattern Self Stick VF & Mastic | Non-Fibrous Homogeneous | VI /0 Ochulose | 85% Non-fibrous (Other) | None Detected |
| 29-Mastic | Gray Square | Black | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0024A | Diamond Pattern Self Stick VF & Mastic | Non-Fibrous Homogeneous | | (****** | |
| 30-Flooring | Gray Square | Tan/Beige | | 10% Quartz | None Detected |
| 411906852-0025 | Diamond Pattern Self Stick VF & Mastic | Non-Fibrous Homogeneous | | 90% Non-fibrous (Other) | |
| 30-Mastic | Gray Square Diamond Pattern Self | Clear Non-Fibrous | | 100% Non-fibrous (Other) | None Detected |
| 411906852-0025A | Stick VF & Mastic | Homogeneous | | | |
| 32-Flooring | Gray Square Blue Diamond VF & Mastic | Gray/White/Green Fibrous | 10% Cellulose 2% Glass | 88% Non-fibrous (Other) | None Detected |
| 411906852-0026 | | Heterogeneous | | | |
| 32-Mastic | Gray Square Blue Diamond VF & Mastic | Yellow/Beige Non-Fibrous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0026A | | Homogeneous | | | |
| 33-Flooring | Gray Square Blue Diamond VF & Mastic | Tan/Green/Beige Fibrous | 15% Cellulose 1% Glass | 84% Non-fibrous (Other) | None Detected |
| 411906852-0027 | 0 0 0 | Heterogeneous | 40/ 0 !! ! | 1000(N 51 (01) | |
| 33-Mastic 411906852-0027A | Gray Square Blue Diamond VF & Mastic | Beige Non-Fibrous Homogeneous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 35-Flooring | Beige Square Pattern | Gray/Tan/Green | 25% Cellulose | 74% Non-fibrous (Other) | None Detected |
| 411906852-0028 | VF & Mastic | Fibrous Heterogeneous | 1% Glass | 74 /6 NOTHIDIOUS (Other) | None Detected |
| 35-Mastic | Beige Square Pattern VF & Mastic | Yellow/Beige Non-Fibrous | 1% Cellulose | 99% Non-fibrous (Other) | None Detected |
| 411906852-0028A | | Homogeneous | | | |
| 36-Flooring | Beige Square Pattern VF & Mastic | Gray/Tan Fibrous | 15% Cellulose 1% Glass | 84% Non-fibrous (Other) | None Detected |
| 411906852-0029 | | Heterogeneous | | | |
| 36-Mastic | Beige Square Pattern VF & Mastic | Tan/Beige Non-Fibrous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0029A | | Homogeneous | | | |
| 38 | Dark Flooring w/ No Mastic | Brown/Gray/Tan Fibrous | 30% Cellulose 1% Synthetic | 69% Non-fibrous (Other) | None Detected |
| 411906852-0030 | | Heterogeneous | | | |
| 39 | Dark Flooring w/ No Mastic | Brown/Tan/Various Fibrous | 40% Cellulose 5% Synthetic | 55% Non-fibrous (Other) | None Detected |
| 411906852-0031 | | Homogeneous | | | |



Customer PO: Project ID:

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

| | | | <u>Asbestos</u> | | |
|-----------------|-------------------------------------|----------------------------|---------------------------|---|---------------|
| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Type |
| 41 | Mastic Under Tub Surround | Yellow Non-Fibrous | 1% Cellulose | 99% Non-fibrous (Other) | None Detected |
| 411906852-0032 | | Homogeneous | | | |
| 42 | Mastic Under Tub Surround | Tan Non-Fibrous | <1% Cellulose | 100% Non-fibrous (Other) | None Detected |
| 411906852-0033 | | Homogeneous | | | |
| 44-Flooring | Beige Small Square VF & Leveling | Gray/Tan/Beige Fibrous | 30% Cellulose 1% Glass | 69% Non-fibrous (Other) | None Detected |
| 411906852-0034 | Compound | Heterogeneous | | | |
| 44-Leveler | Beige Small Square VF & Leveling | White Non-Fibrous | <1% Cellulose | 10% Ca Carbonate 90% Non-fibrous (Other) | None Detected |
| 411906852-0034A | Compound | Homogeneous | | | |
| 45-Flooring | Beige Small Square VF & Leveling | Tan/Beige Fibrous | 20% Cellulose 1% Glass | 79% Non-fibrous (Other) | None Detected |
| 411906852-0035 | Compound | Heterogeneous | | | |
| 45-Leveler | Beige Small Square VF & Leveling | White Non-Fibrous | | 10% Ca Carbonate 90% Non-fibrous (Other) | None Detected |
| 411906852-0035A | Compound | Homogeneous | | | |
| 46-Leveler | Beige Small Square | White | <1% Cellulose | 10% Ca Carbonate | None Detected |
| 411906852-0035B | VF & Leveling Compound | Non-Fibrous Homogeneous | | 90% Non-fibrous (Other) | |

Analyst(s)

Cameron Evans (3) Nicole Shutts (28) Ryan Rains (21) Scott Combs (9) Lee Plumley, Laboratory Manager or Other Approved Signatory

Evan L Plumber

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

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC NVLAP Lab Code 102104-0, CA ELAP 2689, Virginia 3333-000228, West Virginia LT000321



Fax:

Customer PO: Project ID:

Attention: Tom Oliver Phone: (864) 640-5274

Apex Environmental Management

7 Winchester Court Received Date: 07/09/2019 9:20 AM

Mauldin, SC 29662 Analysis Date: 07/16/2019 Collected Date: 07/04/2019

Project: 0519-118 COS 567 Farley Avenue

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 |
|-------------------------------|--|---|-------------------|-----------------------|----------------------|
| 6-Shingle 1 411906852-0036 | Roof Shingles (2 Layers) & No Felt | Black Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |
| 6-Shingle 2 411906852-0037 | Roof Shingles (2 Layers) & No Felt | Black Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |
| 9 411906852-0038 | Window Glazing | Gray/White Non-Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |
| 12 411906852-0039 | Window Caulk on Glass Pane | White Non-Fibrous Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 15 411906852-0040 | Caulk on Window Casing | White Non-Fibrous Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 31-Flooring 411906852-0041 | Gray Square Diamond Pattern Self Stick VF & Mastic | Gray/Tan Non-Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |
| 31-Mastic 411906852-0042 | Gray Square Diamond Pattern Self Stick VF & Mastic | Black/Clear Non-Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |
| 34-Flooring 411906852-0043 | Gray Square Blue Diamond VF & Mastic | White/Green/Beige Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |
| 34-Mastic 411906852-0044 | Gray Square Blue Diamond VF & Mastic | Beige Non-Fibrous Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 37-Flooring 411906852-0045 | Beige Square Pattern VF & Mastic | Blue/Beige Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |
| 37-Mastic 411906852-0046 | Beige Square Pattern VF & Mastic | Tan Non-Fibrous Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 40 411906852-0047 | Dark Flooring w/ No Mastic | Brown/Black Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC



Customer PO: Project ID:

Attention: Tom Oliver Phone: (864) 640-5274

Apex Environmental Management Fax:

7 Winchester Court Received Date: 07/09/2019 9:20 AM

Mauldin, SC 29662 Analysis Date: 07/16/2019
Collected Date: 07/04/2019

Project: 0519-118 COS 567 Farley Avenue

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 |
|-------------------------------|--|--|-------------------|-----------------------|----------------------|
| 43 411906852-0048 | Mastic Under Tub Surround | Tan Non-Fibrous Homogeneous | 100.0 Other | None | No Asbestos Detected |
| 46-Flooring 411906852-0049 | Beige Small Square VF & Leveling Compound | Gray/Tan/Beige Fibrous Heterogeneous | 100.0 Other | None | No Asbestos Detected |

| Analyst(s) | | |
|----------------------|--|--|
| Stephen Bennett (14) | | |

Lee Plumley, Laboratory Manager or other approved signatory

Evan L Plumber

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample.

Samples analyzed by EMSL Analytical, Inc. Kernersville, NC

OrderID: 411906852



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL Analytical, Inc. 10801 Southern Loop Blvd

Pineville, NC 28134

411906852

PHONE: (704) 525-2205 FAX: (704) 525-2382

| | | | - Personal Property of the Personal Property o | | |
|---|---|---|--|--|--|
| Company: Apex Environmental M | anagement, Inc. AXEN | A () | | Same Different nstructions in Comments** | |
| Street: 7 Winchester Court | | Third Party Billing requires written authorization from third party | | | |
| City: Mauldin State/Province: SC | | Zip/Postal Code | e: 29662 | Country: US | |
| Report To (Name): Tom Oliver | | Telephone #: 86 | 64-404-3210 | | |
| Email Address: toliver@apex-ehs | com | Fax #: 864-40 | 4-3213 | Purchase Order: | |
| Project Name/Number: 0519-118 C | COS 567 Farley Avenue | Please Provide | Results: Fax | x √ Email Mail | |
| U.S. State Samples Taken: SC | | CT Samples: | Commercial/Tax | cable Residential/Tax Exempt | |
| | Turnaround Time (TA) | T) Options* - Ple | ase 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 a | | | | | |
| an authorization form for this service | | nce with EMSL's Tem | | | |
| PLM - Bulk (reporting | | | TEM - | - | |
| ■ PLM EPA 600/R-93/116 (<1%) | 96 | TEM EPA NOB | EPA NOB - EPA 600/R-93/116 Section 2.5.5.1 WEEK | | |
| ☐ PLM EPA NOB (<1%) |] | NY ELAP Meth | od 198.4 (TEM) | | |
| Point Count ☐ 400 (<0.25%) ☐ 100 | 0 (<0.1%) | ☐ Chatfield Protoc | col (semi-quantitat | ive) | |
| Point Count w/Gravimetric ☐ 400 (<0 | | | | /116 Section 2.5.5.2 | |
| | | 100 | e via Filtration Preg | | |
| □ NIOSH 9002 (<1%) | L L | | | | |
| NY ELAP Method 198.1 (friable in | | TEM Qualitative | e via Drop Mount F | | |
| NY ELAP Method 198.6 NOB (no | n-friable-NY) | | <u>Oth</u> | <u>er</u> | |
| OSHA ID-191 Modified | Г | | | | |
| ☐ Standard Addition Method | | _ | | | |
| Chack For Positive Step. Class | lu Idantifu Hamananana C | Data Cam | 7-4- | -19 | |
| ■ Check For Positive Stop – Clear | ly identify Homogenous G | roup Date Sam | ipiea: / / | <i>y</i> ' / . | |
| Samplers Name: Tom Oliver | * | Samplers Sig | nature: | 4 | |
| Sample # HA # | Sample Location | | M | laterial Description | |
| 1 Metal | Roof Sealar | っナ | PLM | | |
| 2 | | | 1 | | |
| 3 | 1 | | TEN | 7 | |
| 4 (Loof 5) | ningles (2 loye | 95) 4 | PLA | 7 | |
| 5 10 A | alt 1 | | | | |
| 6 | (| | TEN | 7 | |
| 0 | <u> </u> | | 01.0 | ^ | |
| db m w | N. Glazing | | I PLI Y | l | |
| 8 | 0 | | 1 | | |
| 9 | | | TEN | | |
| | | | | | |
| Client Sample # (s): | | Total # o | of Samples:46 | | |
| Relinquished (Client): | Date: | 7-5-19 | | Time: 5:30 PM | |
| Received (Lab): | Date: | | | Time: 9:20 AH F/c | |
| Comments/Special Instructions: Positive stop on all analysis. Please bill according to sp | pecial pricing for City of Spartanburg. Ask | Jason McDonald for details | s | | |
| | | | l | 1957 4064 3880 | |

OrderID: 411906852



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

411906852

EMSL Analytical, Inc. 10801 Southern Loop Blvd

Pineville, NC 28134 PHONE: (704) 525-2205 FAX: (704) 525-2382

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

| ample# | HA# | Sample Location | Material Description | |
|--------|--------|-------------------------|----------------------|--|
| 10 | | vindow Caulkon | phm | |
| (K | | glass pane | | |
| 2 | | Jas Pane | TEM | |
| 13 | A CONT | caulk on windw casms | 01m | |
| 14 | | | 1 | |
| 15 | | | TEM | |
| 16 | | popcorn ceilns texture | PLM | |
| 17 | | | | |
| 18 | | | | |
| 19 | | cymally, 1+ C+ tape | PLM | |
| 20 | | | | |
| 21 | 2 | | 458 Å | |
| 22 | | | | |
| 23 | | | | |
| 24 | | glaster W finish | PLM | |
| 25 | | | | |
| 26 | | | | |
| 27 | | | | |
| 28 | | | | |
| 29 | | gray sq. diamond potter | PLM | |
| 30 | | Self stick UFJ | 1 | |
| 31 | | mastic | TEM | |
| | | | | |
| | | | | |

Page 2 of 3 pages

OrderID: 411906852



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

411906852

EMSL Analytical, Inc. 10801 Southern Loop Blvd

Pineville, NC 28134
PHONE: (704) 525-2205
FAX: (704) 525-2382

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

| Sample # | HA# | Sample Location | Material Description |
|----------------------|----------|--|----------------------|
| 32 | | gray sa hive | PLM |
| 33 | | gray sq. blue diamond VF+ mastic | |
| 34 | | Ottoman of Al A. Marsie | TEM |
| 35 | | heice sa. pattorn | PLM |
| 35 36 37 38 | | beige sq. pattern | 7 |
| 37 | | | TENT |
| 38 | - 1 | dark flooring WIno | PLM |
| 39 | | mastic | 1 |
| 40 | | | TEM |
| 41 | A Part | mastic under tob | PLM |
| 42 | | Surround, | |
| 43 | | | TEM |
| 44 | pr 1960. | beise small sq VF | · PLM |
| 45 | | I tenering comborns | |
| 46 | | | TEM |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| *Commer | nts/Spec | ial Instructions: Please bill according to special pricing for City of Spartanburg. Ask Jason McDonald for details | |

Page 3 of 3 pages

SECTION IV

Photographic Log



Photo 1 – 567 Farley Avenue in Spartanburg, South Carolina



 $Photo\ 2-Metal\ roof\ sealant$



Photo 3 – Roof shingles & no felt on the front door awning



Photo 4 – Wooden window glazing



Photo 5 – Caulk on the glass panes on the wooden windows



Photo 6 - Caulk on the wooden window casings



Photo 7 – Drywall with joint compound & tape throughout



Photo 8 – Plaster with finish throughout



Photo 9 - Drywall with joint compound & tape over plaster with finish



Photo 10 – Gray square diamond pattern self-stick floor tile & mastic in the main level – front left room



Photo 11 – Gray square blue diamond pattern vinyl floor & mastic in the main level – laundry room & bathroom



Photo 12 – Beige square pattern vinyl floor & mastic in the main level - kitchen



Photo 13 – Dark flooring with no mastic in the main level – kitchen under wood



Photo 14 - Mastic under tub/shower surround in the main level - bathroom



Photo 15 – Beige small square vinyl floor & leveling compound in the basement - hallway

SECTION V

SC DHEC Asbestos Inspector License

SCDHEC ISSUED

Asbestos ID Card

Thomas H Oliver

Expiration Date:

CONSULTBI BI-00680 01/18/20 AIRSAMPLER AS-00202 05/08/20

This card is nontransferable and ______ invalid if loaned or given to another person for identification. This card will also be invalid if altered or defaced. This card is property of SCDHEC. It must be returned to the department if the holder's accreditation is revoked or if this card is invalidated. Any person performing regulated asbestos activities without current accreditation shall be subject to legal sanction. This card must be returned upon expiration and/or issuance of a new card.

YOU MUST HAVE THIS IDENTIFICATION CARD WITH YOU ON THE JOB.

For information of corrections contact: SCDHEC – Asbestos Section 2600 Bull Street Columbia, SC 29201 (803) 898-4289