



Walterboro®

The Front Porch of the Lowcountry

City of Walterboro  
242 Hampton Street  
Walterboro, SC 29488  
843.782.1000

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OLD RIZER FORD/PINCKNEY PARK STORAGE BUILDING  
DEMOLITION PROJECT

**Due: Tuesday, January 30, 2024 @ 2:00pm**

MAIL OR DELIVER RESPONSE TO:

City of Walterboro  
Attn: Jeff Molinari  
242 Hampton Street  
Walterboro, SC 29488

## Table of Contents

|   |   |
|---|---|
| A. OVERVIEW.....                          | 3 |
| B. SCOPE OF SERVICES.....                 | 3 |
| C. INSTRUCTIONS TO BIDDER.....            | 4 |
| D. SELECTION CRITERIA .....               | 4 |
| E. SPECIFIC TERMS AND CONDITIONS.....     | 5 |
| F. GENERAL CONTRACTUAL REQUIREMENTS ..... | 6 |

## A. OVERVIEW

The City of Walterboro, South Carolina (the "**City**") request bids from qualified, licensed contractors for the demolition of structures on three (3) separate parcels which consists of the buildings, outbuildings, and all other material located at 114 North Walter Street and a storage building located at 505 Hampton Street, Walterboro. The debris will be disposed in accordance with the SC Department of Health and Environmental Control (DHEC) guidelines.

The City requests that all contractors respond with an actual bid or with a written "No Bid." This provision guards against receiving an insufficient response to the Advertisement of Bids.

To be considered responsive, responders must use the Bid Form included in the specifications. Subject to the terms, conditions, provisions, and the enclosed specifications, responses to this solicitation will be received at this office until the stated date and time. Responses received after the scheduled due date and time will be rejected. Bids must be submitted in a sealed package marked on the outside with the Contractor's name, address, and the solicitation name.

Any prospective contractor or sub-contractor who is aggrieved in connection with the solicitation of this contract may protest to the City in accordance with Section 11-35-4210 of the SC Code of Laws, within 15 days of the date of issuance of the Notice of Intent to Award.

Questions regarding this solicitation must be submitted via email to **Jeff Molinari, City Manager** at [jmolinari@walterborosc.org](mailto:jmolinari@walterborosc.org) no later than **11:00 AM on Tuesday, January 9, 2024**. Answers to all questions will be posted on the City of Walterboro's website as an addendum to this bid.

## B. SCOPE OF SERVICES

The Old Rizer Ford/Pinckney Park Storage Building Demolition Project consists of structures on three (3) separate parcels located in Walterboro. Project consists of building, outbuildings, and all other material located at 114 North Walter Street (**tax map number 163-11-00-076 and 163-11-00-075**) and a storage building located at 505 Hampton Street (**tax map number 163-12-00-147**), Walterboro. Each property will be cleaned of all structures, debris, scrub brush, concrete, trash and garbage. All debris will be taken to the Colleton County Landfill located at 3288 Green Pond Hwy, Walterboro.

- Contractor must be licensed as a General Contractor in the State of South Carolina and will hold all Trade Contracts and the Building Permit on the project.
- Contractor is responsible for all permits and business license.
- Subcontractors are responsible for a business license.
- It is the contractor's responsibility to walk the property.
- Demolition Projects will be completed within **60 days** of the "Notice to Proceed."

Asbestos testing has been completed on all structures; it was determined asbestos is present. Prior to demolition work commencing, the successful contractor will have to provide evidence that they are qualified to perform asbestos removal or subcontract with a qualified company to perform all asbestos abatement as described in the asbestos reports and abatement plan as provided. Air monitoring services are being completed through a separate contract. Cost of demolition and cleaning needs to be itemized and listed separately for each property. The City reserves the right to accept or reject any bid in whole or in part and to award a contract that is in the best interest of the City.

## C. INSTRUCTIONS TO CONTRACTOR

1. Submittal must include **one (1) original BID** response clearly marked as original and **one (1) complete copy** of the BID response along with a completed **W-9 form**. Responses must be in a sealed envelope/package containing the solicitation name. The individual signing the response must be an Agent legally authorized to bind the company. To be considered responsive, responders must use the Bid Form included in the specifications.
2. All bids are due by **2:00 p.m. on Tuesday, January 16, 2024**. Responses can be mailed or hand delivered to: Administration, Attn: Jeff Molinari, 242 Hampton Street, Walterboro, SC 29488.
3. Show solicitation name on the outside of mailing package. The City assumes no responsibility for unmarked or improperly marked envelopes.
4. It is the contractor’s sole responsibility to ensure that solicitation responses, amendments thereto or withdrawal requests are submitted by the scheduled due date and time.
5. The contractor must clearly mark as "Confidential" each part of their response, which they consider to be proprietary information that could be exempt from disclosure under Section 30-40(C) Code of Laws of South Carolina, 1976, Freedom of Information Act. The City reserves the right to determine whether this information should be exempt from disclosure and legal action may not be brought against the City or its agents for its determination in this regard.
6. RESPONSE FORM: All responses shall be printed in ink or typewritten. If required, additional pages may be attached. Bids written in pencil will be disqualified.
7. Subject to the terms, conditions, provisions, and the enclosed specifications, responses to this solicitation will be received at this office until the stated date and time. Responses received after the scheduled due date and time will be rejected. Bids must be submitted in a sealed package marked on the outside with the Firm’s name, address, and the solicitation name.
8. This solicitation does not commit the City to award a contract, to pay any costs incurred in the preparation of BID submitted, or to procure or contract for the services. The City reserves the right to accept or reject or cancel in part, or in its entirety, offers received as a result of this request if deemed to be in the best interest of the City to do so.

**A written “No Response” qualifies as a response; however, it is the responsibility of the Contractor to notify the City Manager if you receive solicitations that do not apply.**

## D. SELECTION CRITERIA

1. It is the intent of the City to award one contract to the lowest responsive, responsible bidder based on the total bid submitted on the Bid Form with final approval by City Council. The City reserves the right to reject any or all bids, and to award a contract that is most advantageous, and in the best interest of the City and its partners.

2. Upon an Intent of Notice to Award being issued by City Council, a contract will be executed for the requested services.

## E. SPECIFIC TERMS AND CONDITIONS

1. **COMPETITION:** This solicitation is intended to promote full and open competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested vendor to notify the City Manager in writing no later than five (5) business days prior to the scheduled due date and time.
2. **RESPONDANTS QUALIFICATION:** The City reserves the right to request satisfactory evidence of their ability to furnish services in accordance with the terms and conditions listed herein. The City further reserves the right to make the final determination as to the Firm's ability to provide said services.
3. **RESPONSE WITHDRAWAL:** Any responses may be withdrawn prior to the established closing date and time, but not thereafter with proper approval from the City Manager.
4. **REJECTION:** The City reserves the right to reject any and all bids, to cancel or withdraw this solicitation, and to waive any technicality if deemed to be in the best interest of the City.
5. **WAIVER:** The City reserves the right to waive any Instructions to Contractor, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the City.
6. **RESPONSE PERIOD:** All responses shall be good for a minimum period of 90 calendar days.
7. **DEVIATIONS FROM SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful contractor will be held responsible therefore. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Unidentified deviations found during the evaluation of the response may be cause for rejection.
8. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the City Manager for the City.
9. **DEBARMENT:** By submitting a bid, the contractor is certifying that they are not currently debarred from responding to any request for bids by any agency or subdivision of the State of South Carolina or the United States Federal Government, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency or subdivision of the State of South Carolina or the United States Federal Government.
10. **DEFAULT:** In case of default by the Contractor, the City reserves the right to purchase any or all items in default in the open market, charging the Contractor with any excessive costs. Should such charge be assessed, no subsequent solicitation response of the defaulting Contractor will be considered in future BID's until the assessed charge has been satisfied.
11. **HOLD HARMLESS:** All respondents to this BID shall indemnify and hold harmless the City of Walterboro Government and any of their officers and employees from all suits and claims alleged

to be a result of this request for bids. The issuance of this request of bids constitutes only an invitation to present a bid. The City of Walterboro reserves the right to determine, at its sole discretion, whether any aspect of a respondent's submittal meets the criteria in this request for bids. The City of Walterboro also reserves the right to seek clarifications, to negotiate with any firm submitting a response, to reject any or all responses with or without cause, and to modify the procurement process and schedule.

12. CANCELLATION: In the event that this request for bids is withdrawn or the project canceled for any reason, the City of Walterboro shall have no liability to any respondent for any costs or expenses incurred in connection with this request for proposals or otherwise.
13. CITY OF WALTERBORO PURCHASING ORDINANCE: The Request of Bids is subject to the provisions of the City of Walterboro Procurement Ordinance and any revisions thereto, which are hereby incorporated into this BID in their entirety except as amended or superseded within. This ordinance can be found at: [https://library.municode.com/sc/walterboro/codes/code\\_of\\_ordinances](https://library.municode.com/sc/walterboro/codes/code_of_ordinances) under Chapter 2 - Administration - ARTICLE X - Procurement.
14. FAILURE TO SUBMIT ALL MANDATORY FORMS: Failure to submit all the mandatory forms from this request of bids shall be just cause for rejection. However, the City reserves the right to decide, on a case by case basis, in its sole discretion, whether or not to reject such a bid as non-responsive.
15. CONTRACT AWARD:
  - a. This solicitation and submitted documents, when properly accepted by the City shall constitute an agreement equally binding between the successful Contractor and the City. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting agreement. The City of Walterboro shall not be legally bound by any amendment or interpretation that is not fully executed by both parties in writing.
  - b. The successful Contractor shall be required to execute a formal agreement with the City Manager within ten (10) business days after issuance of the Notice of Award.
16. CONTRACT ADMINISTRATION: Questions or problems arising after award of an agreement shall be directed to the City Manager by calling (843)782-1010. Copies of all correspondence concerning this solicitation or resulting agreement shall be sent to the City of Walterboro, City Manager, 242 Hampton Street, Walterboro, SC 29488.

## F. GENERAL CONTRACTUAL REQUIREMENTS

1. ABANDONMENT OR DELAY: If the work to be done under this contract shall be abandoned or delayed by the Contractor, or if at any time the City shall be of the opinion and shall so certify in writing that work has been abandoned or delayed by the Contractor, the City may annul the contract or any part thereof if the Contractor fails to resolve the matter within thirty (30) days of written notice.
2. CONTRACTOR'S COOPERATION: The Contractor shall maintain regular communications with the City Manager and shall actively cooperate in all matters pertaining to this contract.
3. RESPONSIBILITY: The Contractor shall at all times observe and comply with all federal, state, local and municipal laws, ordinances, rules and regulations in any manner affecting the contract.

4. **NON-APPROPRIATION/SUBSTITUTION PERMITTED:** If the City Council fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract or if a lawful order issued in, or for any fiscal year during the term of the agreement, reduces the funds appropriated or authorized in such amounts as to preclude making the payments set out therein, the agreement shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to City.
5. **INDEMNIFICATION:** Except for expenses or liabilities arising from the negligence of the City, the Contractor hereby expressly agrees to indemnify and hold the City harmless against any and all expenses and liabilities arising out of the performance or default of any resulting agreement or arising from or related to the Work as follows:

The Contractor expressly agrees to the extent that there is a causal relationship between its negligence, action or inaction, or the negligence, action or inaction of any of its employees or any person, contractor, or corporation directly or indirectly employed by the Contractor, and any damage, liability, injury, loss or expense (whether in connection with bodily injury or death or property damage or loss) that is suffered by the City and its employees or by any member of the public, to indemnify and save the City and its employees harmless against any and all liabilities, penalties, demands, claims, lawsuits, losses, damages, costs, and expenses arising out of the performance or default of any resulting agreement or arising from or related to the equipment. Such costs are to include defense, settlement and reasonable attorneys' fees incurred by the City and its employees. This promise to indemnify shall include bodily injuries or death occurring to Contractor's employees and any person, directly or indirectly employed by the Firm (including without limitation any employee of any subcontractor), the City's employees, the employees of any other independent contractor, or occurring to any member of the public. When the City submits notice, the Firm shall promptly defend any aforementioned action.

The prescribed limits of insurance set forth herein shall not limit the extent of the Contractor's responsibility under this Section. The terms and conditions contained in this Section shall survive the termination of any resulting agreement or the suspension of the Work hereunder. Additionally, the City will not provide indemnity to the successful FIRM. Failure to comply with this section may result in your request for proposal to be deemed non-responsive.

6. **FORCE MAJEURE:** The Contractor shall not be liable for any excess costs if the failure to perform the resulting agreement arises out of causes beyond the control and without fault or negligence of the Contractor. Such causes may include, but are not restricted to acts of God or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by default of a subcontractor, and if such default arises out of causes beyond the control of both the Contractor and subcontractor and without excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the contractor to meet the required delivery schedule.
7. **ARBITRATION:** Under no circumstances and with no exception will the City of Waltherboro act as arbitrator between the Contractor and any sub-contractor.
8. **PUBLICITY RELEASES:** The Firm agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the City. The Contractor shall not have the right to include the City's

name in its published list of customers without prior approval of the City Manager. With regard to news releases, only the name of the City, type and duration of any resulting agreement may be used and then only with prior approval of the City. The Contractor also agrees not to publish, or cite in any form, any comments or quotes from the City's staff unless it is a direct quote from the City Manager.

9. **GOVERNING LAWS:** Any agreement arising from this solicitation shall be governed by the laws of the State of South Carolina and any and all disputes arising out of said agreement shall, if litigation is necessary, be litigated only in a Circuit Court for the Fourteenth Judicial Circuit sitting in Colleton County, South Carolina. The prevailing party shall be entitled to attorney's fees and all costs of said litigation.
10. **ASSIGNMENT:** The Contractor shall not assign in whole or in part any agreement resulting from this Request for Bids without the prior written consent of the City. The Contractor shall not assign any money due or to become due to him under said agreement without the prior written consent of the City.
11. **AFFIRMATIVE ACTION:** The successful Contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.
12. **FAILURE TO DELIVER GOODS IN ACCORDANCE WITH TERMS & CONDITIONS:** In case of failure to deliver goods in accordance with the contract terms and conditions, the City of Walterboro, after due oral or written notice, may procure substitute goods or services from other sources and hold the contractor responsible for any resulting additional purchasing and administrative costs. This remedy shall be in addition to any other remedies which the City of Walterboro may have.
13. **TERMINATION OF CONTRACT:**
  1. Subject to the Provisions below, the contract may be terminated by the City Manager providing a thirty (30) days advance notice in writing is given to the Contractor.
    - a. **Termination for Convenience:** In the event that this contract is terminated or canceled upon request and for the convenience of the City without the required thirty (30) days advance written notice, then the City shall negotiate reasonable termination costs, if applicable.
    - b. **Termination for Cause:** Termination by the City for cause, default or negligence on the part of the Contractor shall be excluded from the foregoing provisions; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived and the default provision in this request for bids shall apply.
    - c. The City shall be obligated to reimburse the Contractor only for those services rendered prior to the date of notice of termination, less any liquidation damages that may be assessed for non-performance.
  2. **Non-Appropriations Clause:** Notwithstanding any other provisions of the contract, if the funds anticipated for the continued fulfillment of this contract are at any time. Not forthcoming, through the failure of the City Government to appropriate funds, discontinuance or material alteration of the program under which funds were provided, the City shall have the right to terminate the contract without penalty by giving not less than thirty (30) days written notice documenting the lack of funding. Unless otherwise agreed to



by the City and the Contractor, the contract shall become null and void on the last day of the fiscal year for which appropriations were received.

14. BONDS: Payment and Performance Bonds are required for this BID.
15. OWNERSHIP OF MATERIAL: Ownership of all data, material, and documentation originated and prepared for the City pursuant to this contract shall belong exclusively to the City.
16. INSURANCE: City of Waltherboro will require the following remain in force at all times through the life of the contract:

Professional Liability Insurance – Minimum \$1,000,000.00 - Proof of in force insurance must be provided in the response to the RFP

Other insurances:

Workers' Compensation - \$100,000 – each accident

Statutory Coverage and Employer's - \$100,000 each employee

Liability - \$500,000 – policy limit

Comprehensive General Liability -\$1,000,000 – bodily injury each occurrence

\$1,000,000 – bodily injury aggregate

\$1,000,000 – property damage each occurrence

\$1,000,000 – property damage aggregate

Products – Completed Operations - \$1,000,000 – aggregate

Business Auto Liability – Same as Comprehensive General Liability

Excess or Umbrella Liability - \$1,000,000

City of Waltherboro will be named as an "additional insured" party

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**OLD RIZER FORD/PINCKNEY PARK STORAGE BUILDING DEMOLITION PROJECT  
ADDENDA ACKNOWLEDGMENT**

The contractor has examined and carefully studied the Request for Bid and the following Addenda, receipt of all of which is hereby acknowledged:

| <b><i>Amendment No.</i></b> | <b><i>Issue Date</i></b> |
|-----------------------------|--------------------------|
|                             |                          |
|                             |                          |
|                             |                          |
|                             |                          |

***The Contractor must acknowledge any issued addenda. Bids which fail to acknowledge the contractor's receipt of any addendum will result in the rejection of the offer if the addendum contained information which substantively changes the Owner's requirements or pricing.***

**INDEMNIFICATION**

The contractor will indemnify and hold harmless the Owner, the City of Walterboro, and their agents and employees from and against all claims, damages, losses and expenses, including attorney's fees, arising out of or resulting from the performance of the Work provided that any such claims, damages, loss, or expense is attributable to bodily injury, sickness, disease or death, injury to or destruction of tangible property, including the loss of use resulting there from, and is caused by any negligent or willful act or omission of the Firm, and anyone directly or indirectly employed by him/her or anyone for whose acts any of them may be liable.

In any and all claims against the Owner, the City of Walterboro, or any of their agents and/or employees by an employee of the Contractor, and anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation shall not be limited in any way to the amount or type of damages, compensation or benefits payable by or for the Contractor under the Worker's Compensation Acts, Disability Benefit Acts, or other employee benefit acts.

The obligation of the contractor under this paragraph shall not extend to the liability of City of Walterboro or its agents and/or employees arising out of the reports, surveys, Change Orders, designs or Technical Specifications.

**Contractor:** \_\_\_\_\_

**Authorized Representative Name and Title:** \_\_\_\_\_

**Signature of Authorized Representative:** \_\_\_\_\_

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**



**OLD RIZER FORD/PINCKNEY PARK STORAGE BUILDING DEMOLITION PROJECT**  
**CERTIFICATE OF FAMILIARITY**

The undersigned, having fully familiarized him/her with the information contained within this entire solicitation and applicable amendments, submits the attached response, and other applicable information to the City, which I verify to be true and correct to the best of my knowledge. I further certify that this response is made without prior understanding, agreement, or connection with any corporation, contractor or person submitting a response for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions set forth in this solicitation and certify that I have signature authority to bind the company listed herein.

**MINORITY BUSINESS:** Are you a minority business?

▶ **Yes** \_\_\_\_ ( \_\_\_\_ *Women-owner*/ \_\_\_\_ *Disadvantaged*) *If yes, please submit a copy of your certificate with your response.*

▶ **No** \_\_\_\_

**DEBARMENT**

The Contractor is certifying that they are not currently debarred from responding to any request for bids by any agency or subdivision of the State of South Carolina or the United States Federal Government, nor are they an agent of any person or entity that is currently debarred from submitting bids on contracts by any agency or subdivision of the State of South Carolina or the United States Federal Government.

A Registered Contractor with SAM's  yes  no

Cage Code. \_\_\_\_\_

DUN's No. \_\_\_\_\_

**Contractor:** \_\_\_\_\_

**Authorized Representative Name and Title:** \_\_\_\_\_

**Signature of Authorized Representative:** \_\_\_\_\_

**THIS PAGE MUST BE COMPLETED AND SUBMITTED AS A PART OF YOUR BID**



## **COMPREHENSIVE ASBESTOS SURVEY REPORT**

**FOR**

**CITY OF WALTERBORO**  
**242 Hampton Street**  
**Walterboro, South Carolina**

**LOCATION**  
**Former Rizer Ford Dealership**  
**114 North Walter Street**  
**Walterboro, South Carolina**

**INSPECTION DATE(S): August 23, 2023**  
**REPORT DATE: October 12, 2023**

**NC ACCREDITED INSPECTOR(S)**  
**Lacie Hyatt - SC-DHEC License #BI-002062**  
**(865) 541-8736**

**Kay Horton - SC-DHEC License #ASB-23067**  
**(865) 541-8736**

**For**

**Crossroads Environmental, LLC**  
**1258 Boiling Springs Road**  
**Spartanburg, South Carolina 29303**  
**(864) 541-8736**  
**CRE Project # 23015-IN**

## TABLE OF CONTENTS

### INSPECTION REPORT/LETTER

- BACKGROUND INFORMATION
- BUILDING/AREA DESCRIPTION
- INSPECTION STRATEGY/SAMPLING PROTOCOL
- RESULTS
- RELEVANT REGULATORY REQUIREMENTS/RECOMMENDATIONS
- CLOSING STATEMENTS & LIMITATIONS

### ATTACHMENTS

- ATTACHMENT I: ASBESTOS SUMMARY TABLE
- ATTACHMENT II: LABORATORY REPORT(S)
- ATTACHMENT III: SKETCH(S)
- ATTACHMENT IV: INSPECTORS' ACCREDITATION(S)



October 12, 2023

Mr. Jeff Molinari  
City of Walterboro  
242 Hampton Street  
Walterboro, South Carolina 29488

Re: Comprehensive Asbestos Inspection Report Update  
114 North Walter Street, Walterboro, SC  
CRE Project Number: 23015-IN

Mr. Jeff Molinari:

Crossroads Environmental, LLC (CRE) completed a comprehensive asbestos inspection update of the former Rizer Ford Dealership located at 114 North Walter Street in Walterboro, South Carolina on August 23, 2023, with additional sampling performed on September 22, 2023 for clarification. The inspection was performed by SC-DHEC Licensed Asbestos Inspectors, and in accordance with South Carolina Department of Health and Environmental Control's (SC-DHEC) Regulation 61-86.1 Standards of Performance for Asbestos Projects, effective May 27, 2011; and Environmental Protection Agency's (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP 40 CFR 61 Subpart M). At the request of the City of Walterboro, sample results from an existing 'Report of Asbestos Containing-Materials Survey' performed by *Cardno* were incorporated into this comprehensive survey. **A detailed summary table of the sampling is included in Attachment I; however, this report should be read in its entirety.**

### **Building Description**

The Former Rizer Ford Dealership, is an unoccupied painted brick and block structure which previously featured a showroom, office and sales area, and a garage; it appears the structure is currently being used for storage of various materials. The roof featured various roof materials including shingles and flashings. The flooring is concrete throughout, except for the front showroom area which features a vinyl-like floor covering. Limited drywall walls and ceilings are in the office, sales floor, and attic area. Limited ceiling tiles were also found in the showroom and in adjacent rooms. The windows featured suspect caulking and glazing on the interior and exterior windows.

### **Inspection Strategy/Sampling Protocol**

The inspection consisted of grouping suspect asbestos containing materials into homogeneous areas based on the color and texture of the material, and then performing representative sampling of the materials included in those homogeneous areas. SC-DHEC has requirements for the minimum number of samples that can be collected from each homogeneous area (three samples of each miscellaneous material, three samples of each type of thermal system insulation, and the sample requirements for surfacing are based on square footage).

Following completion of the on-site inspection/sampling, samples were submitted to an accredited laboratory for analysis. Stop positive analysis was requested on all materials except for surfacing (sprayed-on or troweled-on materials such as joint compound and fireproofing). Stop positive analysis means that if one sample of a material in a homogeneous area is found to contain asbestos, then the other samples of that material are not analyzed, but are assumed to contain asbestos based on the results from the first sample analyzed.

As of June 27, 2008, SC-DHEC requires that any non-friable organically bound (NOB) material that is suspect to contain asbestos, such as floor tile, mastics, roofing material, and caulking must be analyzed by transmission electron microscopy (TEM) if polarized light microscopy (PLM) analyses of that material indicate that no asbestos was detected.

### **Results**

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy. It should be noted that items containing <1% asbestos are covered to some extent by the OSHA's Asbestos Standard for the Construction Industry (29 CFR 1926.1101).

**Results indicated that greater than one percent asbestos was detected in the following materials:**

- Roof Flashing**
- Roof Shingles**
- Window Caulk and Glaze (excludes caulk on garage windows)**
- Drywall Joint Compound Walls and Ceilings**
- Exterior Window Caulk of Front Showroom Window**

**Relevant Regulatory Requirements/Recommendations**

**Friability**-Friable materials are defined as materials that can be reduced to powder by hand pressure. It should be noted that non-friable materials may become friable depending on the method of removal. All non-friable materials must be removed by properly accredited asbestos personnel. If the non-friable materials are removed in a friable manner, then all regulations in regards to friable abatement will apply, and the abatement must be performed by a SC-DHEC Licensed Asbestos Contractor, and in accordance with all state and federal regulations.

**Project Design**-A Project Design, written by a SC-DHEC Licensed Project Designer, will be required on this project.

**Air Monitoring**-Air monitoring by a SC-DHEC Licensed Air Monitor will be required on this project.

CRE can further assist with Project Design, Air Monitoring, and/or help in selecting an asbestos abatement contractor.

**Closing Statements and Limitations**

Every effort was made to identify all materials in accessible areas. There is the possibility that suspect materials were not identified in inaccessible areas. If any suspect material is discovered that is not included within this report, it should be sampled before it is physically disturbed.

This document has been prepared by Crossroads Environmental, LLC at the request of and for the exclusive use of the City of Walterboro. This report represents the findings from the date that it was inspected, and is limited in scope to that indicated above.

Crossroads Environmental, LLC appreciates the opportunity to provide the City of Walterboro with our consultative services. Should you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,



Lacie Hyatt  
Licensed Inspector



Kay H. Horton, Licensed Inspector  
President



**ATTACHMENT I**  
**ASBESTOS SUMMARY TABLE**

|  |  |                     |
|--|--|---------------------|
| CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT |  | CRE JOB #: 23015-IN |
| Location:  | Former Rizer Ford Dealership; 114 North Walter St., Walterboro, SC |                     |
| Client:  | City of Walterboro   | DATE: 8/23/23       |

Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required  
sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing  
NAD=No Asbestos Detected, SP=Stop Positive

| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type                      | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample  | Approx.<br>Quantity | Physical<br>Condition   | Location/ Comments                  |
|-----|---|------------------------------------|---------------|------------------------------|------------------------------|------------------------|---------------------|-------------------------|-------------------------------------|
| 01  | Misc.                                   | Eastern Garage<br>Roofing Material | RF-W-01       | NAD                          | /                            | Eastern Garage<br>Roof | N/A                 | Damaged;<br>Non-Friable | Located on the Eastern Garage Roof. |
|     |   |                                    | RF-W-02       | NAD                          | /                            | Eastern Garage<br>Roof |                     |                         |                                     |
|     |   |                                    | 008           | /                            | NAD                          | Eastern Garage<br>Roof |                     |                         |                                     |

|   |                            |
|---|----------------------------|
| <b>CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT</b> | <b>CRE JOB #: 23015-IN</b> |
|---|----------------------------|

|                  |   |
|------------------|---|
| <b>Location:</b> | <b>Former Rizer Ford Dealership; 114 North Walter St., Walterboro, SC</b> |
|------------------|---|

|                                   |                      |
|-----------------------------------|----------------------|
| <b>Client:</b> City of Walterboro | <b>DATE:</b> 8/23/23 |
|-----------------------------------|----------------------|

**Key:** A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required  
 sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing  
 NAD=No Asbestos Detected, SP=Stop Positive

| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type                    | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample                   | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments   |
|-----|---|----------------------------------|---------------|------------------------------|------------------------------|---|---------------------|-----------------------|--|
| 02  | Misc.                                   | Fallen Roof<br>Flashing Material | RF-W-03       | 4%C                          | /                            | Ground outside<br>eastern garage        | 500 Lin. Ft.        | Damaged;<br>Friable   | Located at joints of roof materials;<br>assumed to be used around<br>perimeter and around all<br>mechanical equipment. |
|     |   |                                  | RF-W-06       | 4%C                          | /                            | Ground outside<br>SW Building<br>Corner |                     |                       |  |
|     |   |                                  | RF-W-08       | /                            | SP                           | Ground Outside<br>Eastern Garage        |                     |                       |  |
| 03  | Misc.                                   | Fallen Roofing<br>Shingle        | RF-W-04       | NAD                          | /                            | Ground Outside<br>Showroom              | 19,800 Sq. Ft.      | Damaged;<br>Friable   | Located on the ground at the time<br>of the inspection, but originally<br>from the roof of the structure.              |
|     |   |                                  | RF-W-05       | 3%C                          | /                            | Ground Outside<br>Showroom              |                     |                       |  |
|     |   |                                  | RF-W-07       | /                            | SP                           | Ground along<br>Adjacent Alley          |                     |                       |  |

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| <b>CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT</b> | <b>CRE JOB #: 23015-IN</b> |
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| <b>Location:</b> | <b>Former Rizer Ford Dealership; 114 North Walter St., Walterboro, SC</b> |
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| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type              | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample          | Approx.<br>Quantity   | Physical<br>Condition | Location/ Comments  |
|-----|---|----------------------------|---------------|------------------------------|------------------------------|--------------------------------|---|-----------------------|---|
| 04  | Misc.                                   | Window Caulking<br>(Glaze) | RF-W-09       | 2%C                          | /                            | Eastern Garage Interior        | 4 Windows<br>(11.5'x9.5'<br>each); each<br>window<br>contains 42<br>panes | Damaged;<br>Friable   | Located on the Eastern Garage Interior windows, Attic windows, and showroom side windows. In the previous report it appears that the terms window caulking and window glaze were used interchangeably.<br><br>*It should be noted that approximately 75 additional windows were stored inside of the structure and should be assumed to be asbestos-containing. |
|     |   |                            | RF-W-10       | 2%C                          | /                            | Eastern Garage Interior        |   |                       |   |
|     |   |                            | RF-W-11       | NAD                          | /                            | Eastern Garage Interior        |   |                       |   |
|     |   |                            | RF-W-26       | NAD                          | /                            | Showroom Side Room             |   |                       |   |
|     |   |                            | RF-W-34       | NAD                          | /                            | Attic                          |   |                       |   |
| 05  | Misc.                                   | Window Caulking            | RF-W-12       | NAD                          | /                            | Main Garage                    | N/A   | Good; Non-Friable     | Located on the Main Garage Windows.   |
|     |   |                            | RF-W-13       | NAD                          | /                            | Southern Office in Main Garage |   |                       |   |
|     |   |                            | 009           | /                            | <1%C                         | Main Garage                    |   |                       |   |

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| CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT |  | CRE JOB #: 23015-IN |
| Location:  | Former Rizer Ford Dealership; 114 North Walter St., Walterboro, SC |                     |
| Client:  | City of Walterboro   | DATE: 8/23/23       |

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NAD=No Asbestos Detected, SP=Stop Positive

| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type              | Sample Number  | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample  | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments  |
|-----|---|----------------------------|--|------------------------------|------------------------------|--|---------------------|-----------------------|---|
| 06  | Surf.                                   | Drywall/ Joint<br>Compound | RF-W-14  | NAD                          | /                            | Ceiling of<br>Southern Office in<br>Main Garage                            | 6,775 Sq. Ft.       | Damaged;<br>Friable   | Located on ceilings and walls in the<br>showroom sales floor and office<br>area.<br><br>*Note: Previous samples did not<br>contain joint compound |
|     |   |                            | RF-W-15  | NAD                          | /                            | Showroom   |                     |                       |   |
|     |   |                            | RF-W-16  | NAD                          | /                            | Showroom   |                     |                       |   |
|     |   |                            | RF-W-33  | NAD                          | /                            | Attic  |                     |                       |   |
|     |   |                            | 001- Joint Compound<br>001- Drywall                  | 2%C<br>NAD                   | /<br>/                       | Office #3 Wall<br>(Interior Walls)   |                     |                       |   |
|     |   |                            | 002- Joint Compound<br>002- Caulking<br>002- Plaster | NAD<br>NAD<br>NAD            | /<br>/<br>/                  | Office #4 Wall<br>(Corner where<br>Interior and<br>Exterior Walls<br>Meet) |                     |                       |   |
|     |   |                            | 010- joint compound                                  | 3%C                          | /                            | Showroom Sales<br>Floor  |                     |                       |   |

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| CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT |  | CRE JOB #: 23015-IN |
| Location:  | Former Rizer Ford Dealership; 114 North Walter St., Walterboro, SC |                     |
| Client:  | City of Walterboro   | DATE: 8/23/23       |

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NAD=No Asbestos Detected, SP=Stop Positive

| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type | Sample Number       | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments      |
|-----|---|---------------|---------------------|------------------------------|------------------------------|-----------------------|---------------------|-----------------------|-------------------------|
|     |   |               | 011- joint compound | 3%C                          | /                            | Showroom Sales Floor  |                     |                       | contain joint compound. |
|     |   |               | 012- joint compound | 3%C                          | /                            | Showroom Sales Floor  |                     |                       |                         |
|     |   |               | 013- joint compound | 3%C                          | /                            | Showroom Sales Floor  |                     |                       |                         |
|     |   |               | 014- joint compound | 3%C                          | /                            | Showroom Sales Floor  |                     |                       |                         |

|   |                            |
|---|----------------------------|
| <b>CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT</b> | <b>CRE JOB #: 23015-IN</b> |
|---|----------------------------|

|                  |   |
|------------------|---|
| <b>Location:</b> | <b>Former Rizer Ford Dealership; 114 North Walter St., Walterboro, SC</b> |
|------------------|---|

|                                   |                      |
|-----------------------------------|----------------------|
| <b>Client:</b> City of Walterboro | <b>DATE:</b> 8/23/23 |
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| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type | Sample Number   | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments  |
|-----|---|---------------|---|------------------------------|------------------------------|-----------------------|---------------------|-----------------------|---|
| 07  | Surf.                                   | Plaster       | RF-W-17   | NAD                          | /                            | Showroom              | <5000 Sq. Ft.       | Damaged;<br>Friable   | Located on exterior facing walls in the showroom and adjacent sales floor and office areas. |
|     |   |               | RF-W-18   | NAD                          | /                            | Showroom              |                     |                       |   |
|     |   |               | RF-W-19   | NAD                          | /                            | Showroom              |                     |                       |   |
|     |   |               | 003- Surface Material<br>003- Skim Coat<br>003- Base Coat | NAD<br>NAD<br>NAD            | /<br>/<br>/                  | Showroom              |                     |                       |   |
|     |   |               | 004- Skim Coat<br>004- Base Coat                          | NAD<br>NAD                   | /<br>/                       | Showroom              |                     |                       |   |
|     |   |               | 015- Skim Coat<br>015- Base Coat                          | NAD<br>NAD                   | /<br>/                       | Showroom              |                     |                       |   |
|     |   |               | 016- Skim Coat<br>016- Base Coat                          | NAD<br>NAD                   | /<br>/                       | Showroom              |                     |                       |   |
|     |   |               | 017- Skim Coat<br>017- Base Coat                          | NAD<br>NAD                   | /<br>/                       | Showroom              |                     |                       |   |

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|--|--|---------------------|
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| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type            | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments       |
|-----|---|--------------------------|---------------|------------------------------|------------------------------|-----------------------|---------------------|-----------------------|--------------------------|
| 08  | Misc.                                   | Green Rolled<br>Flooring | RF-W-20       | NAD                          | /                            | Showroom              | N/A                 | Damaged;<br>Friable   | Located in the showroom. |
|     |   |                          | RF-W-21       | NAD                          | /                            | Showroom              |                     |                       |                          |
|     |   |                          | RF-W-22       | /                            | NAD                          | Showroom Side<br>Room |                     |                       |                          |



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| <b>CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT</b> | <b>CRE JOB #: 23015-IN</b> |
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|                  |   |
|------------------|---|
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|                                   |                      |
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| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type           | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments                                       |
|-----|---|-------------------------|---------------|------------------------------|------------------------------|-----------------------|---------------------|-----------------------|--|
| 09  | Misc.                                   | 12"x12" Ceiling<br>Tile | RF-W-23       | NAD                          | /                            | Showroom Side<br>Room | N/A                 | Damaged;<br>Friable   | Located in the office areas adjacent<br>to the showroom. |
|     |   |                         | RF-W-24       | NAD                          | /                            | Showroom Side<br>Room |                     |                       |  |
|     |   |                         | RF-W-25       | NAD                          | /                            | Showroom Side<br>Room |                     |                       |  |
| 10  | Misc.                                   | 2' x 4' Ceiling Tile    | RF-W-27       | NAD                          | /                            | Showroom              | N/A                 | Damaged;<br>Friable   | Located in the showroom.                                 |
|     |   |                         | RF-W-28       | NAD                          | /                            | Showroom              |                     |                       |  |
|     |   |                         | RF-W-29       | NAD                          | /                            | Showroom              |                     |                       |  |

| CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT  |  |                          |               |                              |                              |                          | CRE JOB #: 23015-IN |                       |   |
|---|--|--------------------------|---------------|------------------------------|------------------------------|--------------------------|---------------------|-----------------------|---|
| Location:   | Former Rizer Ford Dealership; 114 North Walter St., Walterboro, SC |                          |               |                              |                              |                          |                     |                       |   |
| Client:   | City of Walterboro   |                          |               |                              |                              |                          | DATE: 8/23/23       |                       |   |
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| HA#   | Type of Material<br>TSI, Surf,<br>Misc.                            | Material Type            | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample    | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments  |
| 11  | Surf.  | Ceiling Insulation       | RF-W-30       | NAD                          | /                            | Showroom                 | >7500 Sq. Ft.       | Damaged;<br>Friable   | All insulation seen by CRE while onsite was roll fiberglass insulation. |
|   |  |                          | RF-W-31       | NAD                          | /                            | Main Garage              |                     |                       |   |
|   |  |                          | RF-W-32       | NAD                          | /                            | Main Garage              |                     |                       |   |
| 12  | Misc.  | Exterior Window<br>Caulk | 005- Layer 1  | NAD                          | /                            | Front Showroom<br>Window | 110 Lin. Ft.        | Good; Non-<br>Friable | Located on exterior around the front showroom windows.                  |
|   |  |                          | 005- Layer 2  | 5%C                          | /                            | Front Showroom<br>Window |                     |                       |   |
|   |  |                          | 006- Layer 1  | NAD                          | /                            | Front Showroom<br>Window |                     |                       |   |
|   |  |                          | 006- Layer 2  | 5%C                          | /                            | Front Showroom<br>Window |                     |                       |   |
|   |  |                          | 007           | /                            | SP                           | Front Showroom<br>Window |                     |                       |   |

**ATTACHMENT II**  
**LABORATORY RESULTS**

August 25, 2023

Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**CLIENT PROJECT:** 23015-IN  
**CEI LAB CODE:** B2318242

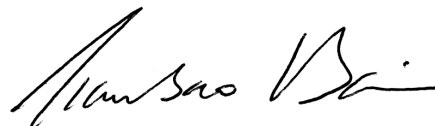
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on August 24, 2023. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

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

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



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# ASBESTOS ANALYTICAL REPORT

## By: Polarized Light Microscopy

Prepared for

**Crossroads Environmental**

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CLIENT PROJECT: 23015-IN

LAB CODE: B2318242

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

REPORT DATE: 08/25/23

TOTAL SAMPLES ANALYZED: 6

# SAMPLES >1% ASBESTOS: 3



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# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 23015-IN

LAB CODE: B2318242

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

| Client ID | Layer   | Lab ID      | Color     | Sample Description          | ASBESTOS %           |
|-----------|---------|-------------|-----------|-----------------------------|----------------------|
| 001       | Layer 1 | B2318242.01 | Beige     | Joint Compound              | <b>Chrysotile 2%</b> |
|           | Layer 2 | B2318242.01 | Gray,Tan  | Drywall                     | None Detected        |
| 002       | Layer 1 | B2318242.02 | Off-white | Joint Compound              | None Detected        |
|           | Layer 2 | B2318242.02 | White     | Caulking                    | None Detected        |
|           | Layer 3 | B2318242.02 | Gray      | Plaster                     | None Detected        |
| 003       | Layer 1 | B2318242.03 | Off-white | Surface Material            | None Detected        |
|           | Layer 2 | B2318242.03 | Gray      | Plaster Skim Coat           | None Detected        |
|           | Layer 3 | B2318242.03 | Dark Gray | Plaster Base Coat           | None Detected        |
| 004       | Layer 1 | B2318242.04 | Gray      | Plaster Skim Coat           | None Detected        |
|           | Layer 2 | B2318242.04 | Dark Gray | Plaster Base Coat           | None Detected        |
| 005       | Layer 1 | B2318242.05 | White     | Exterior Window Caulk       | None Detected        |
|           | Layer 2 | B2318242.05 | Gray      | Exterior Window Caulk       | <b>Chrysotile 5%</b> |
| 006       | Layer 1 | B2318242.06 | White     | Exterior Window Caulk       | None Detected        |
|           | Layer 2 | B2318242.06 | Gray      | Exterior Window Caulk       | <b>Chrysotile 5%</b> |
| 007       |         | B2318242.07 |           | Sample Not Analyzed per COC |                      |

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Crossroads Environmental  
 1258 Boiling Springs Road  
 Spartanburg, SC 29303

**Lab Code:** B2318242  
**Date Received:** 08-24-23  
**Date Analyzed:** 08-25-23  
**Date Reported:** 08-25-23

**Project:** 23015-IN

## ASBESTOS BULK PLM, EPA 600 METHOD

| Client ID   | Lab                 | Lab           | NON-ASBESTOS COMPONENTS |             |           | ASBESTOS             |               |
|-------------|---------------------|---------------|-------------------------|-------------|-----------|----------------------|---------------|
| Lab ID      | Description         | Attributes    | Fibrous                 | Non-Fibrous |           | %                    |               |
| <b>001</b>  | Joint Compound      | Heterogeneous |                         | 63%         | Binder    | <b>2% Chrysotile</b> |               |
| Layer 1     |                     | Beige         |                         | 30%         | Calc Carb |                      |               |
| B2318242.01 |                     | Non-fibrous   |                         | 5%          | Paint     |                      |               |
|             |                     | Bound         |                         |             |           |                      |               |
| Layer 2     | Drywall             | Heterogeneous | 20%                     | Cellulose   | 80%       | Gypsum               | None Detected |
| B2318242.01 |                     | Gray, Tan     |                         |             |           |                      |               |
|             |                     | Fibrous       |                         |             |           |                      |               |
|             |                     | Bound         |                         |             |           |                      |               |
| <b>002</b>  | Joint Compound      | Heterogeneous |                         | 65%         | Binder    | None Detected        |               |
| Layer 1     |                     | Off-white     |                         | 30%         | Calc Carb |                      |               |
| B2318242.02 |                     | Non-fibrous   |                         | 5%          | Paint     |                      |               |
|             |                     | Bound         |                         |             |           |                      |               |
|             | No drywall present. |               |                         |             |           |                      |               |
| Layer 2     | Caulking            | Heterogeneous |                         | 95%         | Caulk     | None Detected        |               |
| B2318242.02 |                     | White         |                         | 5%          | Paint     |                      |               |
|             |                     | Non-fibrous   |                         |             |           |                      |               |
|             |                     | Bound         |                         |             |           |                      |               |
| Layer 3     | Plaster             | Heterogeneous |                         | 65%         | Binder    | None Detected        |               |
| B2318242.02 |                     | Gray          |                         | 30%         | Silicates |                      |               |
|             |                     | Non-fibrous   |                         | 5%          | Paint     |                      |               |
|             |                     | Bound         |                         |             |           |                      |               |
| <b>003</b>  | Surface Material    | Homogeneous   |                         | 65%         | Binder    | None Detected        |               |
| Layer 1     |                     | Off-white     |                         | 35%         | Calc Carb |                      |               |
| B2318242.03 |                     | Non-fibrous   |                         |             |           |                      |               |
|             |                     | Bound         |                         |             |           |                      |               |
| Layer 2     | Plaster Skim Coat   | Heterogeneous |                         | 65%         | Binder    | None Detected        |               |
| B2318242.03 |                     | Gray          |                         | 30%         | Silicates |                      |               |
|             |                     | Non-fibrous   |                         | 5%          | Paint     |                      |               |
|             |                     | Bound         |                         |             |           |                      |               |



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# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**Lab Code:** B2318242  
**Date Received:** 08-24-23  
**Date Analyzed:** 08-25-23  
**Date Reported:** 08-25-23

**Project:** 23015-IN

## ASBESTOS BULK PLM, EPA 600 METHOD

| Client ID<br>Lab ID                  | Lab<br>Description             | Lab<br>Attributes                                | NON-ASBESTOS COMPONENTS |           |             |                                     | ASBESTOS<br>%        |
|--------------------------------------|--------------------------------|--|-------------------------|-----------|-------------|-------------------------------------|----------------------|
|                                      |                                |  | Fibrous                 |           | Non-Fibrous |                                     |                      |
| Layer 3<br>B2318242.03               | Plaster Base Coat              | Homogeneous<br>Dark Gray<br>Non-fibrous<br>Bound | <1%                     | Cellulose | 65%         | Silicates<br>35% Binder             | None Detected        |
| <b>004</b><br>Layer 1<br>B2318242.04 | Plaster Skim Coat              | Heterogeneous<br>Gray<br>Non-fibrous<br>Bound    |                         |           | 65%         | Binder<br>30% Silicates<br>5% Paint | None Detected        |
| Layer 2<br>B2318242.04               | Plaster Base Coat              | Homogeneous<br>Dark Gray<br>Non-fibrous<br>Bound | <1%                     | Cellulose | 65%         | Silicates<br>35% Binder             | None Detected        |
| <b>005</b><br>Layer 1<br>B2318242.05 | Exterior Window Caulk          | Heterogeneous<br>White<br>Non-fibrous<br>Bound   |                         |           | 95%         | Caulk<br>5% Paint                   | None Detected        |
| Layer 2<br>B2318242.05               | Exterior Window Caulk          | Heterogeneous<br>Gray<br>Non-fibrous<br>Bound    |                         |           | 95%         | Caulk<br><1% Paint                  | <b>5% Chrysotile</b> |
| <b>006</b><br>Layer 1<br>B2318242.06 | Exterior Window Caulk          | Heterogeneous<br>White<br>Non-fibrous<br>Bound   |                         |           | 95%         | Caulk<br>5% Paint                   | None Detected        |
| Layer 2<br>B2318242.06               | Exterior Window Caulk          | Heterogeneous<br>Gray<br>Non-fibrous<br>Bound    |                         |           | 95%         | Caulk<br><1% Paint                  | <b>5% Chrysotile</b> |
| <b>007</b><br>B2318242.07            | Sample Not Analyzed<br>per COC |  |                         |           |             |                                     |                      |



---

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

---

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

---

**REPORTING LIMIT:** <1% by visual estimation

---

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

---

**REGULATORY LIMIT:** >1% by weight

---

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


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

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

**ANALYST:**

  
\_\_\_\_\_  
Madelyn Schmidt

**APPROVED BY:**

  
\_\_\_\_\_  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



October 3, 2023

Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**CLIENT PROJECT:** 23015-IN  
**CEI LAB CODE:** B2320954

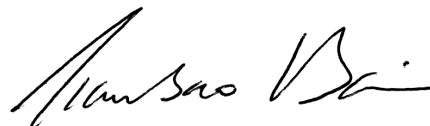
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on October 2, 2023. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

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

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

# **ASBESTOS ANALYTICAL REPORT**

## **By: Polarized Light Microscopy**

Prepared for

**Crossroads Environmental**

---

CLIENT PROJECT: 23015-IN

LAB CODE: B2320954

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

REPORT DATE: 10/03/23

TOTAL SAMPLES ANALYZED: 8

# SAMPLES >1% ASBESTOS: 5



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 23015-IN

LAB CODE: B2320954

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

| Client ID | Layer   | Lab ID      | Color     | Sample Description | ASBESTOS %           |
|-----------|---------|-------------|-----------|--------------------|----------------------|
| 010       |         | B2320954.01 | Beige     | Joint Compound     | <b>Chrysotile 3%</b> |
| 011       |         | B2320954.02 | Beige     | Joint Compound     | <b>Chrysotile 3%</b> |
| 012       |         | B2320954.03 | Beige     | Joint Compound     | <b>Chrysotile 3%</b> |
| 013       |         | B2320954.04 | Beige     | Joint Compound     | <b>Chrysotile 3%</b> |
| 014       |         | B2320954.05 | Beige     | Joint Compound     | <b>Chrysotile 3%</b> |
| 015       | Layer 1 | B2320954.06 | Gray,Teal | Plaster Skim Coat  | None Detected        |
|           | Layer 2 | B2320954.06 | Gray      | Plaster Base Coat  | None Detected        |
| 016       | Layer 1 | B2320954.07 | Gray,Teal | Plaster Skim Coat  | None Detected        |
|           | Layer 2 | B2320954.07 | Gray      | Plaster Base Coat  | None Detected        |
| 017       | Layer 1 | B2320954.08 | Gray,Teal | Plaster Skim Coat  | None Detected        |
|           | Layer 2 | B2320954.08 | Gray      | Plaster Base Coat  | None Detected        |

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Crossroads Environmental  
 1258 Boiling Springs Road  
 Spartanburg, SC 29303

**Lab Code:** B2320954  
**Date Received:** 10-02-23  
**Date Analyzed:** 10-03-23  
**Date Reported:** 10-03-23

**Project:** 23015-IN

## ASBESTOS BULK PLM, EPA 600 METHOD

| Client ID<br>Lab ID                  | Lab<br>Description | Lab<br>Attributes | NON-ASBESTOS COMPONENTS |             | ASBESTOS<br>%        |
|--------------------------------------|--------------------|-------------------|-------------------------|-------------|----------------------|
|                                      |                    |                   | Fibrous                 | Non-Fibrous |                      |
| <b>010</b><br>B2320954.01            | Joint Compound     | Heterogeneous     | 65%                     | Binder      | <b>3% Chrysotile</b> |
|                                      |                    | Beige             | 32%                     | Caulk       |                      |
|                                      |                    | Fibrous           | <1%                     | Paint       |                      |
|                                      |                    | Bound             |                         |             |                      |
| No drywall present.                  |                    |                   |                         |             |                      |
| <b>011</b><br>B2320954.02            | Joint Compound     | Heterogeneous     | 65%                     | Binder      | <b>3% Chrysotile</b> |
|                                      |                    | Beige             | 32%                     | Caulk       |                      |
|                                      |                    | Fibrous           | <1%                     | Paint       |                      |
|                                      |                    | Bound             |                         |             |                      |
| No drywall present.                  |                    |                   |                         |             |                      |
| <b>012</b><br>B2320954.03            | Joint Compound     | Heterogeneous     | 65%                     | Binder      | <b>3% Chrysotile</b> |
|                                      |                    | Beige             | 32%                     | Caulk       |                      |
|                                      |                    | Fibrous           | <1%                     | Paint       |                      |
|                                      |                    | Bound             |                         |             |                      |
| No drywall present.                  |                    |                   |                         |             |                      |
| <b>013</b><br>B2320954.04            | Joint Compound     | Heterogeneous     | 65%                     | Binder      | <b>3% Chrysotile</b> |
|                                      |                    | Beige             | 32%                     | Caulk       |                      |
|                                      |                    | Fibrous           | <1%                     | Paint       |                      |
|                                      |                    | Bound             |                         |             |                      |
| No drywall present.                  |                    |                   |                         |             |                      |
| <b>014</b><br>B2320954.05            | Joint Compound     | Heterogeneous     | 65%                     | Binder      | <b>3% Chrysotile</b> |
|                                      |                    | Beige             | 32%                     | Caulk       |                      |
|                                      |                    | Fibrous           | <1%                     | Paint       |                      |
|                                      |                    | Bound             |                         |             |                      |
| No drywall present.                  |                    |                   |                         |             |                      |
| <b>015</b><br>Layer 1<br>B2320954.06 | Plaster Skim Coat  | Heterogeneous     | 65%                     | Binder      | None Detected        |
|                                      |                    | Gray,Teal         | 30%                     | Silicates   |                      |
|                                      |                    | Non-fibrous       | 5%                      | Paint       |                      |
|                                      |                    | Bound             |                         |             |                      |



CEI

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**Lab Code:** B2320954  
**Date Received:** 10-02-23  
**Date Analyzed:** 10-03-23  
**Date Reported:** 10-03-23

**Project:** 23015-IN

## ASBESTOS BULK PLM, EPA 600 METHOD

| Client ID<br>Lab ID                  | Lab<br>Description | Lab<br>Attributes                                  | NON-ASBESTOS COMPONENTS |                                     | ASBESTOS<br>% |
|--------------------------------------|--------------------|--|-------------------------|-------------------------------------|---------------|
|                                      |                    |  | Fibrous                 | Non-Fibrous                         |               |
| Layer 2<br>B2320954.06               | Plaster Base Coat  | Heterogeneous<br>Gray<br>Non-fibrous<br>Bound      | 65%                     | Silicates<br>35% Binder             | None Detected |
| <b>016</b><br>Layer 1<br>B2320954.07 | Plaster Skim Coat  | Heterogeneous<br>Gray,Teal<br>Non-fibrous<br>Bound | 65%                     | Binder<br>30% Silicates<br>5% Paint | None Detected |
| Layer 2<br>B2320954.07               | Plaster Base Coat  | Heterogeneous<br>Gray<br>Non-fibrous<br>Bound      | 65%                     | Silicates<br>35% Binder             | None Detected |
| <b>017</b><br>Layer 1<br>B2320954.08 | Plaster Skim Coat  | Heterogeneous<br>Gray,Teal<br>Non-fibrous<br>Bound | 65%                     | Binder<br>30% Silicates<br>5% Paint | None Detected |
| Layer 2<br>B2320954.08               | Plaster Base Coat  | Heterogeneous<br>Gray<br>Non-fibrous<br>Bound      | 65%                     | Silicates<br>35% Binder             | None Detected |

---

---

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

---

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

---

**REPORTING LIMIT:** <1% by visual estimation

---

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

---

**REGULATORY LIMIT:** >1% by weight

---

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


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

**ANALYST:**

  
Valerie King

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director







October 3, 2023

Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**CLIENT PROJECT:** 23015-IN  
**LAB CODE:** T232020

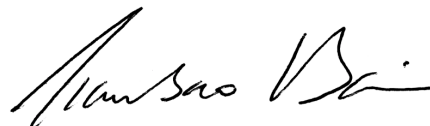
Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on October 2, 2023. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

**ASBESTOS ANALYTICAL REPORT**  
**By: Transmission Electron Microscopy**

Prepared for

**Crossroads Environmental**

---

CLIENT PROJECT: 23015-IN

LAB CODE: T232020

TEST METHOD: Bulk Chatfield  
EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 10/03/23



CEI

# ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

**Client:** Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**Lab Code:** T232020  
**Date Received:** 10-02-23  
**Date Analyzed:** 10-03-23  
**Date Reported:** 10-03-23

**Project:** 23015-IN

## TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

| Client ID<br>Lab ID | Material<br>Description | Sample<br>Weight<br>(g) | Organic<br>Material<br>% | Acid Soluble<br>Material<br>% | Acid Insoluble<br>Material<br>% | Asbestos<br>%    |
|---------------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------------|------------------|
| 008<br>T65451       | Black Roofing Material  | 0.328                   | 91.2                     | 3                             | 5.8                             | None<br>Detected |
| 009<br>T65452       | White Window Caulk      | 0.301                   | 5                        | 30.2                          | 64.8                            | <1% Chrysotile   |

---

**LEGEND:** None

---

**METHOD:** CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

---

**LIMIT OF DETECTION:** Varies with the weight and constituents of the sample (<1%)

---

**REGULATORY LIMIT:** >1% by weight

---

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Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

ECEI recommends between 0.20 and 0.50 grams of sample material for TEM bulk analysis.

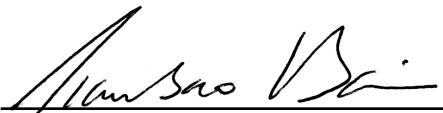
*Any weight below 0.10 grams is considered below protocol guidelines.*

*\*\*Indicates sample weight below 0.05 grams and is considered insufficient for quantitative analysis.*

**ANALYST:**

  
Partima Poudel Acharya

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



**ATTACHMENT III**  
**SAMPLE LOCATION SKETCH AND/OR PHOTOS**

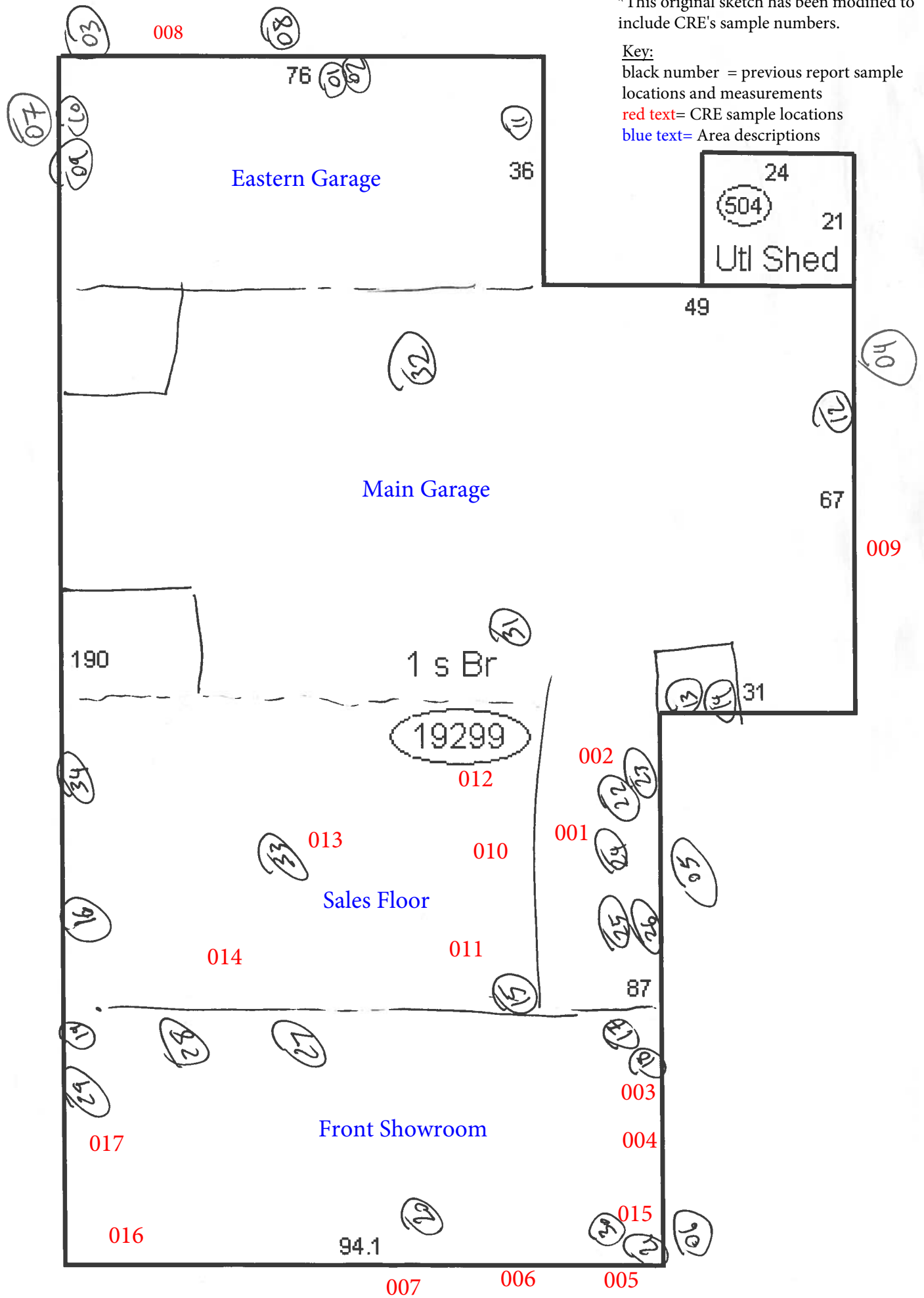
\*This original sketch has been modified to include CRE's sample numbers.

Key:

black number = previous report sample locations and measurements

red text = CRE sample locations

blue text = Area descriptions





**ATTACHMENT IV  
ACCREDITATION(S)**

# SCDHEC ISSUED

Asbestos ID Card

**Kay H Horton**



**AIR SAMPLER**  
**CONSULT PD**  
**CONSULT MP**

**ASB-23067**  
**ASB-23184**  
**ASB-23394**

Expiration Date:

**09/17/24**  
**11/08/23**  
**11/03/23**

# SCDHEC ISSUED

Asbestos ID Card

Lacie Hyatt



AIRSAMPLER  
CONSULTBI

AS-000672  
BI-002062

Expiration Date:

04/30/24

12/01/23



## **COMPREHENSIVE ASBESTOS SURVEY REPORT**

**FOR**

**CITY OF WALTERBORO**  
**242 Hampton Street**  
**Walterboro, South Carolina**

**LOCATION**  
**Green Storage Building**  
**Pinckney Park**  
**505 Hampton Street**  
**Walterboro, South Carolina**

**INSPECTION DATE(S): September 22, 2023**  
**REPORT DATE: October 12, 2023**

**SC ACCREDITED INSPECTOR(S)**  
**Kay Horton - SC-DHEC License #ASB-23067**  
**(865) 541-8736**

**For**

**Crossroads Environmental, LLC**  
**1258 Boiling Springs Road**  
**Spartanburg, South Carolina 29303**  
**(864) 541-8736**  
**CRE Project # 23192-IN**

## TABLE OF CONTENTS

### INSPECTION REPORT/LETTER

- BACKGROUND INFORMATION
- BUILDING/AREA DESCRIPTION
- INSPECTION STRATEGY/SAMPLING PROTOCOL
- RESULTS
- RELEVANT REGULATORY REQUIREMENTS/RECOMMENDATIONS
- CLOSING STATEMENTS & LIMITATIONS

### ATTACHMENTS

- ATTACHMENT I: ASBESTOS SUMMARY TABLE
- ATTACHMENT II: LABORATORY REPORT(S)
- ATTACHMENT III: SKETCH(S)
- ATTACHMENT IV: INSPECTORS' ACCREDITATION(S)

October 12, 2023

Mr. Jeff Molinari  
City of Walterboro  
242 Hampton Street  
Walterboro, South Carolina 29488

Re: Comprehensive Asbestos Inspection Report  
505 Hampton Street, Walterboro, SC  
CRE Project Number: 23192-IN

Mr. Molinari:

Crossroads Environmental, LLC (CRE) completed a comprehensive asbestos inspection of the green storage building, located on the site of Pinckney Park, 505 Hampton Street in Walterboro, SC, on September 22, 2023. The inspection was performed by SC-DHEC Licensed Asbestos Inspectors, and in accordance with South Carolina Department of Health and Environmental Control's (SC-DHEC) Regulation 61-86.1 Standards of Performance for Asbestos Projects, effective May 27, 2011; and Environmental Protection Agency's (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP 40 CFR 61 Subpart M). At the request of the City of Walterboro, sample results from an existing 'Report of Asbestos Containing-Materials Survey' performed by *Cardno* were incorporated into this comprehensive survey. **A detailed summary table of the sampling is included in Attachment I; however, this report should be read in its entirety.**

#### **Building Description**

The storage building, located on the Pinckney Park site, is a wood framed structure with wood siding, concrete floor, and shingled roof. The only suspect material identified in association with the building were the roofing shingles.

#### **Inspection Strategy/Sampling Protocol**

The inspection consisted of grouping suspect asbestos containing materials into homogeneous areas based on the color and texture of the material, and then performing representative sampling of the materials included in those homogeneous areas. SC-DHEC has requirements for the minimum number of samples that can be collected from each homogeneous area (three samples of each miscellaneous material,

three samples of each type of thermal system insulation, and the sample requirements for surfacing are based on square footage). Following completion of the on-site inspection/sampling, samples were submitted to an accredited laboratory for analysis.

As of June 27, 2008, SC-DHEC requires that any non-friable organically bound (NOB) material that is suspect to contain asbestos, such as floor tile, mastics, roofing material, and caulking must be analyzed by transmission electron microscopy (TEM) if polarized light microscopy (PLM) analyses of that material indicate that no asbestos was detected.

### **Results**

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy.

No asbestos was detected in the roofing shingles.

### **Closing Statements and Limitations**

Every effort was made to identify all materials in accessible areas. There is the possibility that suspect materials were not identified in inaccessible areas. If any suspect material is discovered that is not included within this report, it should be sampled before it is physically disturbed.

This document has been prepared by Crossroads Environmental, LLC at the request of and for the exclusive use of the City of Walterboro. This report represents the findings from the date that it was inspected, and is limited in scope to that indicated above.

Crossroads Environmental, LLC appreciates the opportunity to provide the City of Walterboro with our consultative services. Should you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,



Kay H. Horton  
Licensed Inspector

**ATTACHMENT I**  
**ASBESTOS SUMMARY TABLE**



| CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT   |   |                  |               |                              |                              |                       | CRE JOB #: 23192-IN |                       |                                      |
|--|---|------------------|---------------|------------------------------|------------------------------|-----------------------|---------------------|-----------------------|--------------------------------------|
| Location:  | Pinckney Park Storage Building          |                  |               |                              |                              |                       |                     |                       |                                      |
| Client:  | City of Walterboro                      |                  |               |                              |                              |                       | DATE: 9/22/2023     |                       |                                      |
| <p><b>Key:</b> A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required<br/> sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing<br/> NAD=No Asbestos Detected, SP=Stop Positive</p> |   |                  |               |                              |                              |                       |                     |                       |                                      |
| HA#  | Type of Material<br>TSI, Surf,<br>Misc. | Material Type    | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of<br>Sample | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments                   |
| 01   | Misc.                                   | Roofing Shingles | 001           | NAD                          | /                            | Roof                  | N/A                 | Good;<br>Non-friable  | Located on the roof of the building. |
|  |   |                  | 002           | NAD                          | /                            | Roof                  |                     |                       |                                      |
|  |   |                  | 003           | /                            | NAD                          | Roof                  |                     |                       |                                      |

**ATTACHMENT II**  
**LABORATORY RESULTS**

September 27, 2023

Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**CLIENT PROJECT:** Pinckney Park Shed, 23192-IN  
**CEI LAB CODE:** B2320614

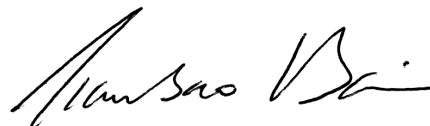
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on September 26, 2023. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

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

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

# **ASBESTOS ANALYTICAL REPORT**

## **By: Polarized Light Microscopy**

Prepared for

**Crossroads Environmental**

---

CLIENT PROJECT: Pinckney Park Shed, 23192-IN

LAB CODE: B2320614

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

REPORT DATE: 09/27/23

TOTAL SAMPLES ANALYZED: 2

# SAMPLES >1% ASBESTOS:



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** Pinckney Park Shed, 23192-IN

**LAB CODE:** B2320614

---

---

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

| Client ID | Layer | Lab ID      | Color       | Sample Description                | ASBESTOS %    |
|-----------|-------|-------------|-------------|-----------------------------------|---------------|
| 001       |       | B2320614.01 | White,Black | Roof Shingle                      | None Detected |
| 002       |       | B2320614.02 | White,Black | Roof Shingle                      | None Detected |
| 003       |       | B2320614.03 |             | Sample Submitted for TEM Analysis |               |

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Crossroads Environmental  
 1258 Boiling Springs Road  
 Spartanburg, SC 29303

**Lab Code:** B2320614  
**Date Received:** 09-26-23  
**Date Analyzed:** 09-27-23  
**Date Reported:** 09-27-23

**Project:** Pinckney Park Shed, 23192-IN

## ASBESTOS BULK PLM, EPA 600 METHOD

| Client ID<br>Lab ID       | Lab<br>Description                   | Lab<br>Attributes                                | NON-ASBESTOS COMPONENTS |            |             |               | ASBESTOS<br>% |
|---------------------------|--------------------------------------|--|-------------------------|------------|-------------|---------------|---------------|
|                           |                                      |  | Fibrous                 |            | Non-Fibrous |               |               |
| <b>001</b><br>B2320614.01 | Roof Shingle                         | Heterogeneous<br>White,Black<br>Fibrous<br>Bound | 45%                     | Fiberglass | 50%         | Tar<br>Gravel | None Detected |
| <b>002</b><br>B2320614.02 | Roof Shingle                         | Heterogeneous<br>White,Black<br>Fibrous<br>Bound | 45%                     | Fiberglass | 50%         | Tar<br>Gravel | None Detected |
| <b>003</b><br>B2320614.03 | Sample Submitted for<br>TEM Analysis |  |                         |            |             |               |               |

---

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

---

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

---

**REPORTING LIMIT:** <1% by visual estimation

---

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

---

**REGULATORY LIMIT:** >1% by weight

---

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

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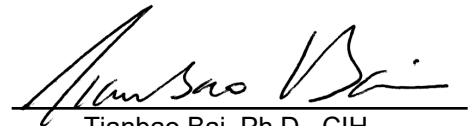
Information provided by customer includes customer sample ID and sample description.

**ANALYST:**



Kathryn Wescott

**APPROVED BY:**



Tianbao Bai, Ph.D., CIH  
Laboratory Director



September 28, 2023

Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**CLIENT PROJECT:** Pinckney Park Shed, 23192-IN  
**LAB CODE:** T231994

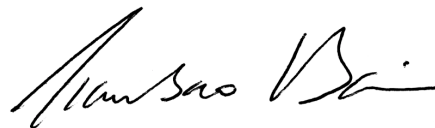
Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on September 27, 2023. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director





CEI

---

**ASBESTOS ANALYTICAL REPORT**  
**By: Transmission Electron Microscopy**

Prepared for

**Crossroads Environmental**

---

CLIENT PROJECT: Pinckney Park Shed, 23192-IN

LAB CODE: T231994

TEST METHOD: Bulk Chatfield  
EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 09/28/23



CEI

# ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

**Client:** Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**Lab Code:** T231994  
**Date Received:** 09-27-23  
**Date Analyzed:** 09-28-23  
**Date Reported:** 09-28-23

**Project:** Pinckney Park Shed, 23192-IN

## TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

| Client ID<br>Lab ID | Material<br>Description   | Sample<br>Weight<br>(g) | Organic<br>Material<br>% | Acid Soluble<br>Material<br>% | Acid Insoluble<br>Material<br>% | Asbestos<br>%    |
|---------------------|---------------------------|-------------------------|--------------------------|-------------------------------|---------------------------------|------------------|
| 003<br>T65310       | White, Black Roof Shingle | 0.502                   | 22.9                     | 28.3                          | 48.8                            | None<br>Detected |

---

**LEGEND:** None

---

**METHOD:** CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

---

**LIMIT OF DETECTION:** Varies with the weight and constituents of the sample (<1%)

---

**REGULATORY LIMIT:** >1% by weight

---

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Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

ECEI recommends between 0.20 and 0.50 grams of sample material for TEM bulk analysis.

*Any weight below 0.10 grams is considered below protocol guidelines.*

*\*\*Indicates sample weight below 0.05 grams and is considered insufficient for quantitative analysis.*

**ANALYST:**

  
Brunilda Gjoka

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 S.E. Maynard Rd., Cary, NC 27511  
 Tel: 919-481-1413; Fax: 919-481-1442

# CHAIN OF CUSTODY

3

|                              |         |
|------------------------------|---------|
| LAB USE ONLY:                |         |
| CEI Lab Code: SA231          | ST230   |
| CEI Lab I.D. Range: B2320614 | T231994 |

| COMPANY CONTACT INFORMATION            |                                  |
|--|----------------------------------|
| Company: CROSSROADS ENVIRONMENTAL, LLC | Client #:                        |
| Address: 1258 BOILING SPRINGS RD.      | Job Contact: Kay H. Horton       |
| SPARTANBURG, SC 29303                  | Email: RESULTS@CROSSROADSENV.NET |
|  | Tel: 864-541-8736                |
| Project Name: Pinckney Park Shed       | Fax: 864-541-8776                |
| Project ID #: 23192-IN                 | P.O. #:                          |

| ASBESTOS               | METHOD    | 4 HR* | 8 HR* | 24 HR | 2 DAY | 3 DAY | 5 DAY |
|------------------------|-----------|-------|-------|-------|-------|-------|-------|
| PLM BULK               | EPA 600   |       |       | X     |       |       |       |
| TEM BULK               | CHATFIELD |       |       | X     |       |       |       |
| PLM POINT COUNT (400)  | EPA 600   |       |       |       |       |       |       |
| PLM POINT COUNT (1000) | EPA 600   |       |       |       |       |       |       |
| PLM GRAVIMETRIC        | EPA 600   |       |       |       |       |       |       |
| PLM GRAV w POINT COUNT | EPA 600   |       |       |       |       |       |       |
| OTHER:                 |           |       |       |       |       |       |       |

|                        |  |
|------------------------|--|
| POSITIVE STOP ANALYSIS |  |
| SOUTH CAROLINA SAMPLES |  |
| NORTH CAROLINA SAMPLES |  |

| TEM INSTRUCTIONS                            |   |
|---|---|
| BEGIN TEM ANALYSIS AFTER NEGATIVE PLM       | X |
| ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM |   |

|  |  |   |  |
|--|--|---|--|
|  |  | <input checked="" type="checkbox"/> Accept Samples<br><input type="checkbox"/> Reject Samples |  |
|--|--|---|--|

| Relinquished By:     | Date/Time      | Received By: | Date/Time    |
|----------------------|----------------|--------------|--------------|
| <i>Kay H. Horton</i> | 9/25/2023 0:00 | <i>KHR</i>   | 9/26/23 9:20 |
| <i>Su</i>            | 9/26 5:30      | <i>BWB</i>   | 9/27/23 9:50 |

\*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis



**SAMPLING FORM**

| COMPANY CONTACT INFORMATION      |                            |
|----------------------------------|----------------------------|
| Crossroads Environmental, LLC    | Job Contact: Kay H. Horton |
| Project Name: Pinckney Park Shed |                            |
| Project ID #: 23192-IN           | Tel: 864-541-8736          |

| SAMPLE ID# | HA | DESCRIPTION / LOCATION | TEST |   |     |   |
|------------|----|------------------------|------|---|-----|---|
|            |    |                        | PLM  | X | TEM |   |
| 001        |    | Roofing shingle        | PLM  | X | TEM |   |
| 002        |    | Roofing shingle        | PLM  | X | TEM |   |
| 003        |    | Roofing shingle        | PLM  |   | TEM | X |

**ATTACHMENT III**  
**SAMPLE LOCATION SKETCH AND/OR PHOTOS**



**CROSSROADS**  
ENVIRONMENTAL, LLC

**SAMPLE LOCATION SKETCH**

Sketch #: 001

Project Name: Pinckney Park Storage Bldg.

Project ID: 23192-IN

Date: 9/22/2023

002

001

003

**ATTACHMENT IV  
ACCREDITATION(S)**



# SCDHEC ISSUED

Asbestos ID Card

**Kay H Horton**



**AIR SAMPLER**  
**CONSULT PD**  
**CONSULT MP**

**ASB-23067**  
**ASB-23184**  
**ASB-23394**

Expiration Date:

**09/17/24**  
**11/08/23**  
**11/03/23**



## **COMPREHENSIVE ASBESTOS SURVEY REPORT**

**FOR**

**CITY OF WALTERBORO**

**242 Hampton Street  
Walterboro, South Carolina**

**LOCATION**

**Former Rizer Ford Dealership, Brick Accessory Structure  
114 North Walter Street  
Walterboro, South Carolina**

**INSPECTION DATE(S): November 16, 2023**

**REPORT DATE: December 6, 2023**

**SC ASBESTOS INSPECTOR**

**Kay Horton - SC-DHEC License #ASB-23067  
(865) 541-8736**

**For**

**Crossroads Environmental, LLC  
1258 Boiling Springs Road  
Spartanburg, South Carolina 29303  
(864) 541-8736  
CRE Project # 23432-IN**

## TABLE OF CONTENTS

### INSPECTION REPORT/LETTER

- BACKGROUND INFORMATION
- BUILDING/AREA DESCRIPTION
- INSPECTION STRATEGY/SAMPLING PROTOCOL
- RESULTS
- CLOSING STATEMENTS & LIMITATIONS

### ATTACHMENTS

- ATTACHMENT I: ASBESTOS SUMMARY TABLE
- ATTACHMENT II: LABORATORY REPORT(S)
- ATTACHMENT III: SKETCH
- ATTACHMENT IV: INSPECTOR'S LICENSE

December 6, 2023

Mr. Jeff Molinari  
City of Walterboro  
242 Hampton Street  
Walterboro, South Carolina 29488

Re: Comprehensive Asbestos Inspection  
114 North Walter Street, Walterboro, SC  
Brick Accessory Structure  
CRE Project Number: 23432-IN

Mr. Molinari:

Crossroads Environmental, LLC (CRE) completed a comprehensive asbestos inspection of the brick accessory structure, located on the 114 Walter Street property in Walterboro, South Carolina on November 16, 2023. The inspection was performed by SC-DHEC Licensed Asbestos Inspectors, and in accordance with South Carolina Department of Health and Environmental Control's (SC-DHEC) Regulation 61-86.1 Standards of Performance for Asbestos Projects, effective May 27, 2011; and Environmental Protection Agency's (EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP 40 CFR 61 Subpart M).

### **Building Description**

The 'brick accessory structure,' located on the western end of the former Rizer Ford Dealership site, is a brick building with dirt floor. The interior of the building is filled with overgrowth/vegetation, and the roof has completely fallen. The only suspect materials identified were roofing materials that are lying on the ground within the building. There are only small remnants remaining on the roof.

### **Inspection Strategy/Sampling Protocol**

The inspection consisted of grouping suspect asbestos containing materials into homogeneous areas based on the color and texture of the material, and then performing representative sampling of the materials included in those homogeneous areas. SC-DHEC has requirements for the minimum number of samples that can be collected from each homogeneous area (three samples of each miscellaneous material, three samples of each type of thermal system insulation, and the sample requirements

for surfacing are based on square footage). Following completion of the on-site inspection/sampling, samples were submitted to an accredited laboratory for analysis.

As of June 27, 2008, SC-DHEC requires that any non-friable organically bound (NOB) material that is suspect to contain asbestos, such as floor tile, mastics, roofing material, and caulking must be analyzed by transmission electron microscopy (TEM) if polarized light microscopy (PLM) analyses of that material indicate that no asbestos was detected.

### **Results**

EPA recognizes a material as Asbestos Containing Material (ACM) if an asbestos content of greater than one percent asbestos is detected in a representative sample analyzed by polarized light microscopy.

**No asbestos was detected in the materials sampled.**

### **Closing Statements and Limitations**

Every effort was made to identify all materials in accessible areas. There is the possibility that suspect materials were not identified in inaccessible areas. If any suspect material is discovered that is not included within this report, it should be sampled before it is physically disturbed.

This document has been prepared by Crossroads Environmental, LLC at the request of and for the exclusive use of the City of Walterboro. This report represents the findings from the date that it was inspected, and is limited in scope to that indicated above.

Crossroads Environmental, LLC appreciates the opportunity to provide the City of Walterboro with our consultative services. Should you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,



Kay H. Horton  
Licensed Inspector

**ATTACHMENT I**  
**ASBESTOS SUMMARY TABLE**

|   |   |                            |
|---|---|----------------------------|
| <b>CROSSROADS ENVIRONMENTAL, LLC ASBESTOS INSPECTION REPORT</b> |   | <b>CRE JOB #: 23432-IN</b> |
| <b>Location:</b>  | <b>Former Rizer Ford Dealership, Brick Accessory Structure (with no roof), 114 North Walter St., Walterboro, SC</b> |                            |
| <b>Client:</b>  | <b>City of Walterboro</b>   | <b>DATE: 11/16/2023</b>    |

**Key: A=Amosite, C=Chrysotile, Cr=Crocidolite, Tr=Tremolite, Ac=Actinolite Asbestos, Misc.=Miscellaneous, HA#=Homogeneous Area #, PLM=Polarized Light Microscopy, TEM=Transmission Electron Microscopy, /=PLM and/or TEM Analysis Not Required  
sq.ft.=Square Feet, cu.ft.=Cubic Feet, In.ft.=Linear Feet, HJI=Hard Joint Insulation, TSI=Thermal System Insulation, BUR=Built-up Roofing, Surf=Surfacing  
NAD=No Asbestos Detected, SP=Stop Positive**

| HA# | Type of Material<br>TSI, Surf,<br>Misc. | Material Type    | Sample Number | Asbestos<br>Content<br>(PLM) | Asbestos<br>Content<br>(TEM) | Location of Sample | Approx.<br>Quantity | Physical<br>Condition | Location/ Comments                     |
|-----|---|------------------|---------------|------------------------------|------------------------------|--------------------|---------------------|-----------------------|--|
| 01  | Misc.                                   | Roofing Material | 001           | NAD                          | /                            | Center             | N/A                 | N/A                   | Located on the ground in the building. |
|     |   |                  | 002           | NAD                          | /                            | Center             |                     |                       |  |
|     |   |                  | 003           | /                            | NAD                          | Back               |                     |                       |  |

**ATTACHMENT II**  
**LABORATORY RESULTS**



November 20, 2023

Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**CLIENT PROJECT:** 114 North Walter St., 23432-IN  
**CEI LAB CODE:** SA232153

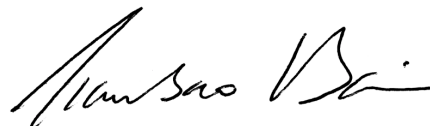
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on November 17, 2023. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

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

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

# **ASBESTOS ANALYTICAL REPORT**

## **By: Polarized Light Microscopy**

Prepared for

**Crossroads Environmental**

---

CLIENT PROJECT: 114 North Walter St., 23432-IN

LAB CODE: SA232153

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

REPORT DATE: 11/20/23

TOTAL SAMPLES ANALYZED: 2

# SAMPLES >1% ASBESTOS:



CEI

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

**PROJECT:** 114 North Walter St., 23432-IN

**LAB CODE:** SA232153

---

---

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

| Client ID | Layer | Lab ID      | Color | Sample Description                | ASBESTOS %    |
|-----------|-------|-------------|-------|-----------------------------------|---------------|
| 001       |       | SA232153.01 | Black | Roofing Material                  | None Detected |
| 002       |       | SA232153.02 | Black | Roofing Material                  | None Detected |
| 003       |       | SA232153.03 |       | Sample Submitted for TEM Analysis |               |



CEI

# ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

**Client:** Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**Lab Code:** SA232153  
**Date Received:** 11-17-23  
**Date Analyzed:** 11-20-23  
**Date Reported:** 11-20-23

**Project:** 114 North Walter St., 23432-IN

## ASBESTOS BULK PLM, EPA 600 METHOD

| Client ID<br>Lab ID       | Lab<br>Description                   | Lab<br>Attributes                        | NON-ASBESTOS COMPONENTS |             |     | ASBESTOS<br>% |               |
|---------------------------|--------------------------------------|--|-------------------------|-------------|-----|---------------|---------------|
|                           |                                      |  | Fibrous                 | Non-Fibrous |     |               |               |
| <b>001</b><br>SA232153.01 | Roofing Material                     | Homogeneous<br>Black<br>Fibrous<br>Bound | 40%                     | Cellulose   | 60% | Tar           | None Detected |
| <b>002</b><br>SA232153.02 | Roofing Material                     | Homogeneous<br>Black<br>Fibrous<br>Bound | 40%                     | Cellulose   | 60% | Tar           | None Detected |
| <b>003</b><br>SA232153.03 | Sample Submitted for<br>TEM Analysis |  |                         |             |     |               |               |

---

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

---

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

---

**REPORTING LIMIT:** <1% by visual estimation

---

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

---

**REGULATORY LIMIT:** >1% by weight

---

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


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

**ANALYST:** \_\_\_\_\_

  
Olivia Gardner

**APPROVED BY:** \_\_\_\_\_

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director





730 S.E. Maynard Rd., Cary, NC 27511  
 Tel: 919-481-1413; Fax: 919-481-1442

# CHAIN OF CUSTODY

|                      |                   |
|----------------------|-------------------|
| <b>LAB USE ONLY:</b> |                   |
| CEI Lab Code:        | SA232153/ST231058 |
| CEI Lab I.D. Range:  |                   |

3

| COMPANY CONTACT INFORMATION            |                                  |
|--|----------------------------------|
| Company: CROSSROADS ENVIRONMENTAL, LLC | Client #:                        |
| Address: 1258 BOILING SPRINGS RD.      | Job Contact: Kay H. Horton       |
| SPARTANBURG, SC 29303                  | Email: RESULTS@CROSSROADSENV.NET |
|  | Tel: 864-541-8736                |
| Project Name: 114 North Walter St.     | Fax: 864-541-8776                |
| Project ID #: 23432-IN                 | P.O. #:                          |

| ASBESTOS               | METHOD    | 4 HR* | 8 HR* | 24 HR | 2 DAY | 3 DAY | 5 DAY |
|------------------------|-----------|-------|-------|-------|-------|-------|-------|
| PLM BULK               | EPA 600   |       |       | X     |       |       |       |
| TEM BULK               | CHATFIELD |       |       | X     |       |       |       |
| PLM POINT COUNT (400)  | EPA 600   |       |       |       |       |       |       |
| PLM POINT COUNT (1000) | EPA 600   |       |       |       |       |       |       |
| PLM GRAVIMETRIC        | EPA 600   |       |       |       |       |       |       |
| PLM GRAV w POINT COUNT | EPA 600   |       |       |       |       |       |       |
| OTHER:                 |           |       |       |       |       |       |       |

|                        |   |
|------------------------|---|
| POSITIVE STOP ANALYSIS | X |
| SOUTH CAROLINA SAMPLES | X |
| NORTH CAROLINA SAMPLES |   |

| TEM INSTRUCTIONS                            |   |
|---|---|
| BEGIN TEM ANALYSIS AFTER NEGATIVE PLM       | X |
| ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM |   |

|                      |                 |              |                 | <input checked="" type="checkbox"/> Accept Samples<br><input type="checkbox"/> Reject Samples |
|----------------------|-----------------|--------------|-----------------|---|
| Relinquished By:     | Date/Time       | Received By: | Date/Time       |   |
| <i>Kay H. Horton</i> | 11/16/2023 0:00 | RB           | 11/17/23 9:30AM |   |

\*Call to confirm RUSH analysis.

Samples will be disposed of 30 days after analysis



## SAMPLING FORM

| COMPANY CONTACT INFORMATION        |                            |
|------------------------------------|----------------------------|
| Crossroads Environmental, LLC      | Job Contact: Kay H. Horton |
| Project Name: 114 North Walter St. |                            |
| Project ID #: 23432-IN             | Tel: 864-541-8736          |

| SAMPLE ID# | HA | DESCRIPTION / LOCATION | TEST |   |     |   |
|------------|----|------------------------|------|---|-----|---|
|            |    |                        | PLM  | X | TEM |   |
| 001        |    | Roofing material       | PLM  | X | TEM |   |
| 002        |    | Roofing material       | PLM  | X | TEM |   |
| 003        |    | Roofing material       | PLM  |   | TEM | X |





November 21, 2023

Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**CLIENT PROJECT:** 114 North Walter St., 23432-IN  
**LAB CODE:** ST231058

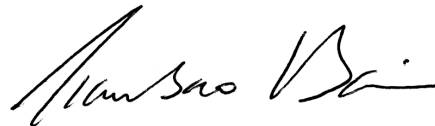
Dear Customer:

Enclosed are asbestos analysis results for TEM bulk samples received at our laboratory on November 20, 2023. The samples were analyzed for asbestos using transmission electron microscopy (TEM) per Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the TEM Chatfield/EPA 600/R-93/116 Sec. 2.5.5.1 method is <1% depending on the processed weight and constituents of the sample.

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

Kind Regards,



Tianbao Bai, Ph.D., CIH  
Laboratory Director



CEI

---

**ASBESTOS ANALYTICAL REPORT**  
**By: Transmission Electron Microscopy**

Prepared for

**Crossroads Environmental**

---

CLIENT PROJECT: 114 North Walter St., 23432-IN

LAB CODE: ST231058

TEST METHOD: Bulk Chatfield  
EPA 600 / R93 / 116 Sec. 2.5.5.1

REPORT DATE: 11/21/23



CEI

# ASBESTOS BULK ANALYSIS

By: TRANSMISSION ELECTRON MICROSCOPY

**Client:** Crossroads Environmental  
1258 Boiling Springs Road  
Spartanburg, SC 29303

**Lab Code:** ST231058  
**Date Received:** 11-20-23  
**Date Analyzed:** 11-21-23  
**Date Reported:** 11-21-23

**Project:** 114 North Walter St., 23432-IN

## TEM BULK CHATFIELD / EPA 600 / R93 / 116 Sec. 2.5.5.1

| Client ID<br>Lab ID | Material<br>Description | Sample<br>Weight<br>(g) | Organic<br>Material<br>% | Acid Soluble<br>Material<br>% | Acid Insoluble<br>Material<br>% | Asbestos<br>%    |
|---------------------|-------------------------|-------------------------|--------------------------|-------------------------------|---------------------------------|------------------|
| 003<br>ST08588      | Black Roofing Material  | 0.8764                  | 98.4                     | .1                            | 1.5                             | None<br>Detected |

**LEGEND:** None

**METHOD:** CHATFIELD & EPA/600/R-93/116 Sec. 2.5.5.1

**LIMIT OF DETECTION:** Varies with the weight and constituents of the sample (<1%)

**REGULATORY LIMIT:** >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI (ECEI). ECEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. *Estimated measurement of uncertainty is available on request and in compliance with regulatory requirements.* Samples were received in acceptable condition unless otherwise noted.

Information provided by customer includes customer sample ID, location, volume and area as well as date and time of sampling.

ECEI recommends between 0.20 and 0.50 grams of sample material for TEM bulk analysis.

*Any weight below 0.10 grams is considered below protocol guidelines.*

*\*\*Indicates sample weight below 0.05 grams and is considered insufficient for quantitative analysis.*

**ANALYST:**

  
Raegan Brown

**APPROVED BY:**

  
Tianbao Bai, Ph.D., CIH  
Laboratory Director



730 S.E. Maynard Rd., Cary, NC 27511  
 Tel: 919-481-1413; Fax: 919-481-1442

# CHAIN OF CUSTODY

LAB USE ONLY:  
 CEI Lab Code: SA232153/ST231058  
 CEI Lab I.D. Range:

3

## COMPANY CONTACT INFORMATION

|  |                                  |
|--|----------------------------------|
| Company: CROSSROADS ENVIRONMENTAL, LLC                     | Client #:                        |
| Address: 1258 BOILING SPRINGS RD.<br>SPARTANBURG, SC 29303 | Job Contact: Kay H. Horton       |
|  | Email: RESULTS@CROSSROADSENV.NET |
|  | Tel: 864-541-8736                |
| Project Name: 114 North Walter St.                         | Fax: 864-541-8776                |
| Project ID #: 23432-IN                                     | P.O. #:                          |

| ASBESTOS               | METHOD    | 4 HR* | 8 HR* | 24 HR | 2 DAY | 3 DAY | 5 DAY |
|------------------------|-----------|-------|-------|-------|-------|-------|-------|
| PLM BULK               | EPA 600   |       |       | X     |       |       |       |
| TEM BULK               | CHATFIELD |       |       | X     |       |       |       |
| PLM POINT COUNT (400)  | EPA 600   |       |       |       |       |       |       |
| PLM POINT COUNT (1000) | EPA 600   |       |       |       |       |       |       |
| PLM GRAVIMETRIC        | EPA 600   |       |       |       |       |       |       |
| PLM GRAV w POINT COUNT | EPA 600   |       |       |       |       |       |       |
| OTHER:                 |           |       |       |       |       |       |       |

|                        |   |
|------------------------|---|
| POSITIVE STOP ANALYSIS | X |
| SOUTH CAROLINA SAMPLES | X |
| NORTH CAROINA SAMPLES  |   |

| TEM INSTRUCTIONS                            |   |
|---|---|
| BEGIN TEM ANALYSIS AFTER NEGATIVE PLM       | X |
| ANALYZE TEM SAMPLES SIMULTANEOUSLY WITH PLM |   |

|                      |                 | <input checked="" type="checkbox"/> Accept Samples<br><input type="checkbox"/> Reject Samples |                    |
|----------------------|-----------------|---|--------------------|
| Relinquished By:     | Date/Time       | Received By:  | Date/Time          |
| <i>Kay H. Horton</i> | 11/16/2023 0:00 | RB  | 11/17/23<br>9:30AM |

\* Call to confirm RUSH analysis.

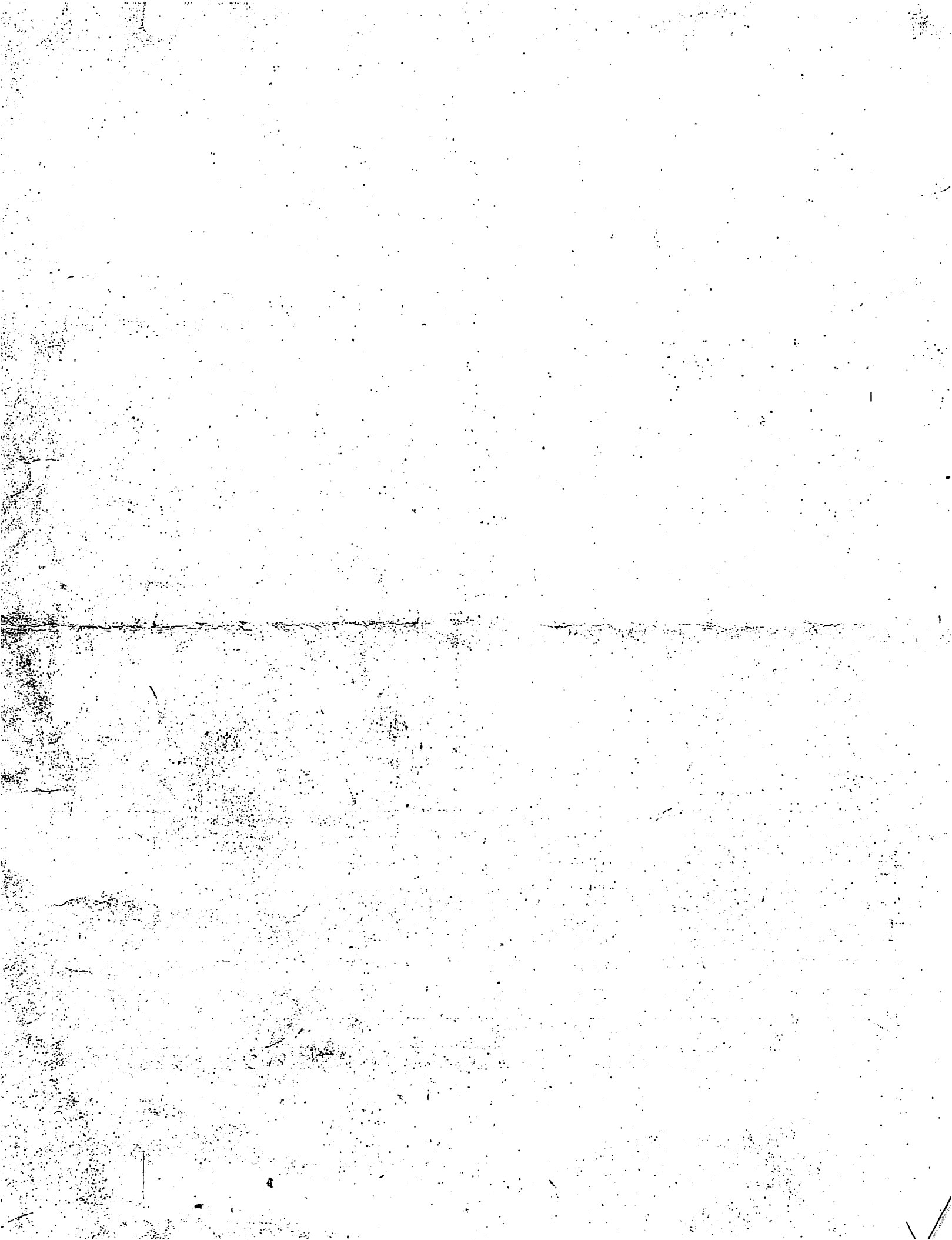
Samples will be disposed of 30 days after analysis



**SAMPLING FORM**

| COMPANY CONTACT INFORMATION        |                            |
|------------------------------------|----------------------------|
| Crossroads Environmental, LLC      | Job Contact: Kay H. Horton |
| Project Name: 114 North Walter St. |                            |
| Project ID #: 23432-IN             | Tel: 864-541-8736          |

| SAMPLE ID# | HA | DESCRIPTION / LOCATION | TEST |   |     |   |
|------------|----|------------------------|------|---|-----|---|
|            |    |                        | PLM  | X | TEM |   |
| 001        |    | Roofing material       | PLM  | X | TEM |   |
| 002        |    | Roofing material       | PLM  | X | TEM |   |
| 003        |    | Roofing material       | PLM  |   | TEM | X |



**ATTACHMENT III**  
**SAMPLE LOCATION SKETCH AND/OR PHOTOS**





**CROSSROADS**  
ENVIRONMENTAL, LLC

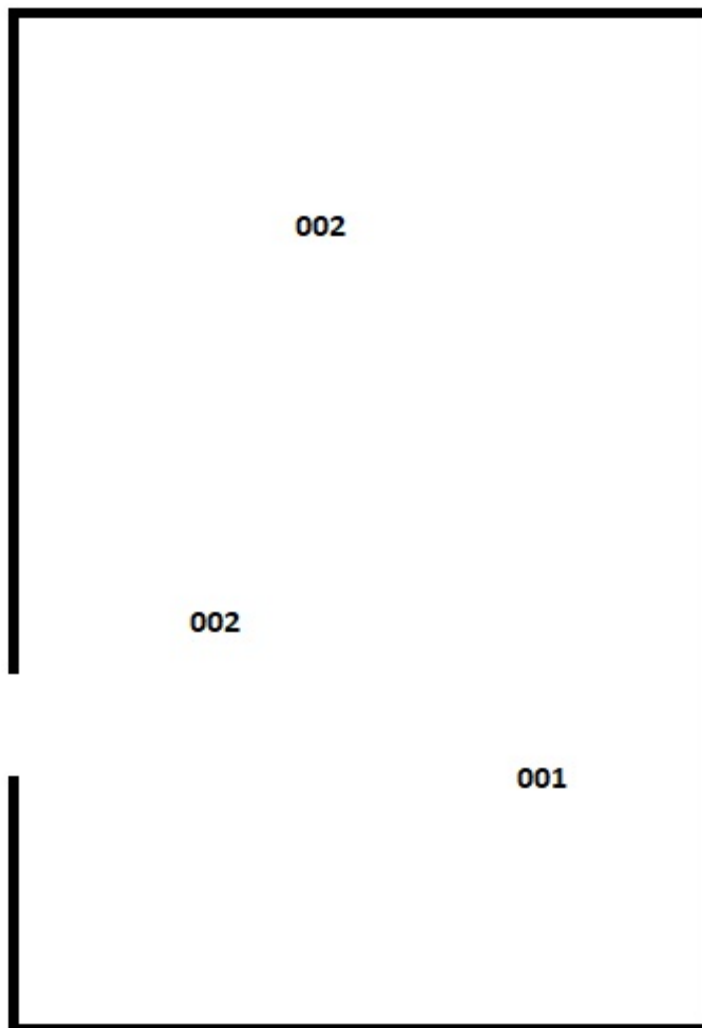
**SAMPLE LOCATION SKETCH**

Sketch #: 001

Project Name: Brick Accessory Structure

Project ID: 23432-IN

Date: 11/16/2023



**ATTACHMENT IV  
ACCREDITATION(S)**

# SCDHEC ISSUED

Asbestos ID Card

**Kay H Horton**



**AIR SAMPLER**  
**CONSULT PD**  
**CONSULT MP**

**ASB-23067**  
**ASB-23184**  
**ASB-23394**

**Expiration Date:**

**10/30/24**  
**10/31/24**  
**11/03/23**