QUALITY ASSURANCE PROJECT PLAN
ASBESTOS-CONTAINING MATERIALS ABATEMENT
REVISION 0

CARLISLE COMMERCIAL PROPERTY
216 & 218 WEST MAIN STREET
CARLISLE, ARKANSAS 72024

EnSafe Project Number
0888840689

Prepared for:

Brownfields and Site Assessment Division
Arkansas Energy and Environment, Division of Environmental Quality
Office of Land Resources
5301 Northshore Drive
North Little Rock, Arkansas 72118

May 9, 2025

1603 Lyndon B Johnson Freeway, Suite 700
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Prepared by:

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PERSONNEL SIGN-OFF SHEET

Quality Assurance Project Plan
Asbestos-containing Materials Abatement

CARLISLE COMMERCIAL PROPERTY
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CARLISLE, ARKANSAS 72024

Elizabeth Reyes	Date:	May 14, 2025
Elizabeth Reyes, United States Environmental Protection Agency Region 6, Project Officer		
A. McClain	Date:	May 12, 2025
Addie McClain, Arkansas Department of Energy and Environment, Division of Environmental Quality Brownfield and Site Assessment Program Supervisor		
Emily J. Brickman	Date:	May 9, 2025
Emily Brickman, PG, EnSafe Inc., Senior Project Manager/Geologist/Contract Manager		
Dean A. Stoker	Date:	May 9, 2025
Dean A. Stoker, EnSafe Inc., Project Manager/Asbestos Inspector/Field Team Member		
Dana R. Miller	Date:	May 9, 2025
Dana Miller, EnSafe Inc., Project Chemist/Data Validator/Quality Assurance Officer		
Gary Nooner	Date:	May 9, 2025
Gary Nooner, Environmental Protection Associates of Russellville, Inc., Asbestos Abatement Project Coordinator		

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APPENDICES

1.0 PROJECT MANAGEMENT

1.1 Distribution List

EnSafe Inc. prepared this Quality Assurance Project Plan (QAPP) (the Plan) for employees performing the asbestos-containing materials (ACM) abatement activities at the Carlisle Commercial Property located at 216 & 218 West Main Street in Carlisle, Lonoke County, Arkansas (Site). The Plan was prepared to outline procedures to be implemented to ensure the successful completion of selected remedies in accordance with applicable regulatory guidelines and to ensure data collected and analyzed meets the project requirements outlined herein, if sampling is identified to be necessary and applicable. This QAPP presents the rationale, design, and quality assurance and quality control procedures to be followed for the duration of this project.

Table 1 below is the distribution list of recipients for the approved QAPP. The approved QAPP can be provided in hard copy or electronic (PDF format) versions, as requested.

Table 1
Quality Assurance Project Plan Distribution List

Name	Title	Organization	Phone	Email
Elizabeth Reyes	Project Officer	U.S. EPA Region 6	214-665-2194	reyes.elizabeth@epa.gov
Addie McClain	Brownfield and Site Assessment Program Supervisor	ADEE-DEQ	501-682-0616	addie.mcclain@arkansas.gov
Emily Brickman, PG	Senior Project Manager/ Geologist/ Contract Manager	EnSafe Inc.	214-529-5600	ebrickman@ensafe.com
Dean Stoker	Project Manager/ Asbestos Inspector/ Field Team Member	EnSafe Inc.	501-517-4751	dstoker@ensafe.com
Frank O'Connell	Senior Environmental Technician/ Asbestos Inspector/ Field Team Member	EnSafe Inc.	901-937-4445	joconnell@ensafe.com
Dana Miller	Project Chemist/ Data Validator/ Quality Assurance Officer	EnSafe Inc.	972-865-4857	dmiller@ensafe.com
Gary Nooner	Asbestos Abatement Project Coordinator	Environmental Protection Associates of Russellville, Inc.	501-562-3818	gnooner@epaonline.biz
Tanner Rasmussen	Analytical Project Manager	Crisp Analytical Laboratory (CA Labs)	972-242-2754	calabsdallas@calabsinc.com

Notes:
U.S. EPA = United States Environmental Protection Agency
ADEE-DEQ = Arkansas Department of Energy and Environment, Division of Environmental Quality

1.2 Project/Task Organization

The following is a list of personnel involved in the project and their associated responsibilities:

- Elizabeth Reyes, Project Officer with the United States Environmental Protection Agency (U.S. EPA) Region 6, will provide approval of the QAPP.

- Addie McClain, ADEE-DEQ Brownfield and Site Assessment Program Supervisor, will serve as the primary liaison between the ADEE-DEQ and the U.S. EPA and will serve as the primary point of contact between the ADEE-DEQ and EnSafe. Ms. McClain will provide oversight on the project and the program.

- Emily Brickman, PG, EnSafe Senior Project Manager/Geologist/Contract Manager, will serve as the primary Project Manager, will provide oversight on the project and program execution between ADEE-DEQ EnSafe, and review the QAPP as well as all other project deliverables.

- Dean Stoker, EnSafe Project Manager and Asbestos Hazard Emergency Response Act-(AHERA) certified Asbestos Inspector, will provide project assistance both from a project management and a field oversight capacity as an EnSafe's Field Team member. Mr. Stoker will provide field progress reports, will administer Stop Work Authority in the field, and, as necessary, implement QAPP changes in the field.

- Frank O'Connell, EnSafe Senior Environmental Technician/AHERA-certified Asbestos Inspector, will possibly serve as an EnSafe's Field Team member, will provide field progress reports, will administer Stop Work Authority in the field, and, as necessary, implement QAPP changes in the field.

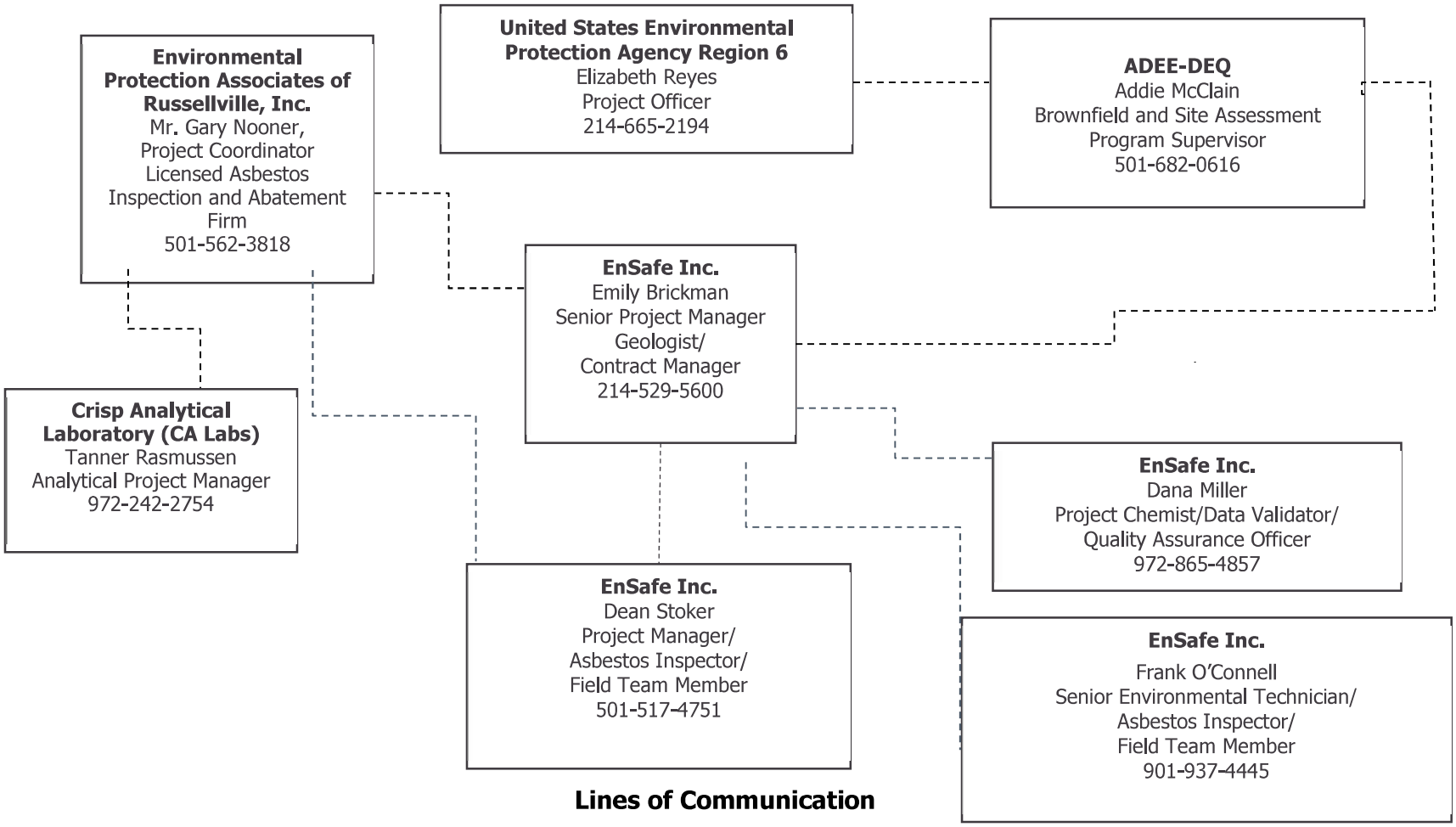
- Dana Miller, EnSafe Project Chemist, Data Validator, and Quality Assurance Officer, will serve as EnSafe's quality assurance (QA) manager and review the QAPP, as well as laboratory data to ensure project QA requirements are met.

- Gary Nooner, Environmental Protection Associates of Russellville, Inc. (EPA) Asbestos Abatement Project Coordinator, will serve as EnSafe's subcontractor responsible for conducting the ACM abatement and will ensure all actions are completed in accordance with project objectives. Mr. Nooner and EPA will also be responsible for conducting any additional ACM surveys (if required) and will ensure all samples are collected and processed in accordance with project

QA objectives. As needed, additional ACM samples will be analyzed at Crisp Analytical Laboratory (CA Labs) in Carrollton, Texas, in accordance with all applicable rules and regulations and will be coordinated by EPA. All contractors will adhere to Davis-Bacon Act requirements.

- Tanner Rasmussen, Crisp Analytical Laboratory (CA Labs), will serve as the Analytical Project Manager. He will be responsible for overseeing all analytical activities associated with this project, from the initiation of sample processing through final reporting. His duties include coordinating laboratory workflows, ensuring adherence to analytical methods and quality assurance protocols, and serving as the primary point of contact for analytical data deliverables.

1.3 Project Organizational Chart



(Note: Samples will only be collected and shipped to the laboratory if additional asbestos-containing material or lead-based paint is identified in the field.)

1.4 Stop Work Authority

All workers and entities involved in the project have the responsibility and authority to issue a Stop Work Order in the event of an identified unsafe condition including, but not limited to, failure to follow procedures, imminent danger situations/conditions, and accumulation of safety violations.

2.0 SITE BACKGROUND

EnSafe has been contracted by the ADEE-DEQ to conduct ACM abatement to eliminate human health and environmental risks associated with planned renovation of the Site Building.

2.1 Site Location and Description

The Site property consists of 4 parcels totaling a 0.26-acre area.[1] Figure 1 (Appendix A) is a topographic map showing the location of the Site.

EnSafe understands the Site formerly housed a commercial building; however, the property and building were in disrepair and the building and onsite structures collapsed and have been demolished. The original one-story building was constructed prior to 1955, with several additions through the years. Based on review of aerial imagery, the Site is adjoined by vacant commercial buildings to the east and west; grass-covered landscaped areas to the north and a concrete sidewalk and asphalt-paved parking areas to the south. West Main Street borders the subject property to the south. Figure 2 (Appendix A) is an aerial image showing the Site and its relationship to surrounding properties.

The Central Arkansas Planning and Development District, Inc. applied to be part of the Arkansas Brownfield Program, with the application completed by Mr. Rodney Larsen, Executive Director, dated September 19, 2024.[2] Historical application information and property access documents are in Appendix B.

2.2 Source of Contamination

The Site formerly housed a commercial building functioning as the Old Chamber of Commerce. The Site has been scheduled for repurposing and the existing structure has been demolished and remains in place. ACM were identified in a previous asbestos inspection conducted by Environmental Protection Associates (EPA) in April 2023.

Previous inspections and surveys have identified the presence of ACM as summarized below.

[1] Parcel data retrieved from Arkansas GIS Office Tax Parcel website (https://agio.maps.arcgis.com/home/webmap/viewer.html?webmap=81960b350dc04284b35046e6a54ed5b2) on 2025, April 3.
[2] Arkansas Brownfield Program Application Form; submitted by Mr. Rodney Larsen (rodney.larsen@capdd.org), Central Arkansas Planning and Development District, Inc. City of West Memphis Community Development Specialist. 2024, September 19.

2.2.1 Asbestos-containing Materials

An asbestos survey conducted by EPA in April to May 2023 included the collection of 19 bulk samples, which were submitted to Crisp Analytical, LLC (CA Labs) in Carrollton, Texas, for analysis using polarized light microscopy. The survey identified ACM in flooring and roofing systems throughout the structure.

In total, three homogeneous areas of ACM were identified, including 9-inch-by-9-inch floor tile and mastic, as well as roofing materials. The following approximate quantities of ACM were identified:

- 1,530 square feet of asbestos-containing 9-inch-by-9-inch floor tile and mastic (non-friable)
- 880 square feet of assumed asbestos-containing 9-inch-by-9-inch floor tile and mastic in collapsed/unsafe areas (non-friable)
- 1,760 square feet of asbestos-containing roofing materials (non-friable)

Additionally, sheetrock and joint compound materials were sampled and determined to contain less than 1% chrysotile asbestos. These materials are not considered ACMs under Federal and state regulations; however, Occupational Safety and Health Administration (OSHA) regulations still apply if the materials are disturbed during renovation or demolition. It was noted in the report that some areas of the building had collapsed and were unsafe to enter. The building has since been demolished and now all the remaining debris is considered asbestos-contaminated waste requiring disposal by a licensed asbestos contractor at an approved landfill. Photographs of the Site provided by the ADEE-DEQ are in Appendix B. The Arkansas Brownfield Program has been approved to facilitate remediation of the ACM from the Site.

3.0 PROJECT/DATA QUALITY OBJECTIVES

3.1 Problem Definition

Information provided by the ADEE-DEQ indicates that the Site is scheduled for repurposing with participation and assistance being provided through the Arkansas Brownfield Program. Regulatory-required surveys and inspections conducted prior to planned renovations identified the presence of regulated materials (ACM) that require abatement/stabilization/encapsulation prior to planned renovation and reuse. This QAPP presents the recommended framework for the planned ACM abatement.

3.2 Goals of the Study

The goal of the project is to complete ACM abatement in accordance with regulatory guidelines, as they relate to the selected remedies (discussed in Section 3.3).

If the necessity arises for additional ACM sampling, the goal of such would be to obtain quality data to evaluate human health and environmental concerns as they relate to planned building renovation via the total removal cleanup alternative.

3.3 Data Quality Objectives and Criteria

The data quality objectives outlined herein for the ACM abatement were established to ensure the activities are conducted in accordance with regulatory guidelines, as they relate to the selected remedies.

Additional ACM sampling is not anticipated for the planned abatement; however, this QAPP provides quality assurance/control procedures to be implemented for sampling activities should they become necessary.

3.4 Asbestos Abatement Activities

In accordance with U.S. EPA Brownfield guidelines, an *Analysis of Brownfield Cleanup Alternatives (ABCA) Plan* was prepared by EnSafe.[3] The ABCA Plan provides alternative remedies and includes the suggested remedies selected for the ACM abatement in the Old Chamber of Commerce building

[3] EnSafe Inc. *Analysis of Brownfield Cleanup Alternatives Plan*, Revision 0, Carlisle Commercial Property, 216 & 218 West Main Street, Carlisle, Arkansas 72024. 2025, May 9.

as they relate to planned building renovations. The ABCA Plan will be reviewed and approved by the ADEE-DEQ prior to planned activities.

3.4.1 Asbestos Abatement

The selected remedy for ACM abatement includes the abatement of ACM discussed in Section 2.2.1. Prior to the initiation of abatement activities, EPA will submit a Notice of Intent on behalf of the Arkansas Brownfield Program Participant to ADEE-DEQ's Air Division Asbestos Section. Specific procedures related to the planned asbestos abatement are detailed in the EPA *Abatement Project Design Plan* dated April 11, 2025, and included in Appendix C.

EnSafe plans to retain the services of EPA to perform the abatement activities summarized below, with EnSafe providing periodic oversight. EPA is an ADEE-DEQ-licensed Asbestos Abatement Contractor (License Number 000020) and an Arkansas-licensed Commercial Contractor (License Number 0003060425), with asbestos and environmental general listed specialties. Copies of EPA and EnSafe certifications and training documentation are included in Appendix D.

3.5 Material Surveys and Sampling

No additional materials surveys or samplings are anticipated at this time but should suspect materials be identified during abatement, work will be halted to allow for the collection of additional samples. As necessary, additional ACM surveys and sampling will be conducted by EPA and/or EnSafe personnel licensed and certified in accordance with ADEE-DEQ, National Emissions Standard for Hazardous Air Pollutants, and ADH requirements.

The following procedures will be implemented should the collection of additional samples be required.

- The actual number of samples collected will depend on the conditions identified in the field and on the actual number of materials identified.

- The locations and quantities of identified ACM will be detailed to assist in the potential remediation and abatement of these materials prior to renovation of the structure.

- Sampling will be performed utilizing invasive investigative techniques to attempt to identify suspect ACM which may be disturbed during renovation of the structure.

- Collected samples will be assigned a unique sample identification number.

- Samples will be packaged in appropriate sample containers, logged onto a project chain-of-custody form, and submitted to a contracted laboratory holding appropriate certifications for the request analyses. The ACM samples will be analyzed using polarized light microscopy in accordance with U.S. EPA Method 600/R-93/116, with reported asbestos composition percentages based on visual estimation; ACM analysis will be performed by a laboratory with certification through the National Institutes for Standards and Testing — National Voluntary Laboratory Accreditation Program proficiency testing program

As required, EnSafe representatives will be onsite to oversee any additional material survey activities.

4.0 DATA GENERATION AND ACQUISITION

4.1 Sampling Methods

If additional sample collection is required, samples of suspect ACM will be collected in accordance with U.S. EPA AHERA/National Emissions Standard for Hazardous Air Pollutants and/or ADH protocols and placed in appropriate sample containers for delivery to a contracted laboratory holding appropriate licenses and certifications for the requested analyses (Crisp Laboratories/CA Labs in Carrollton, Texas).

4.2 Sample Handling and Custody

Any additional samples, if required, will be collected by certified/licensed inspectors. Samples will be placed in appropriate containers, labeled, logged on a project chain-of-custody form, packed for shipping, and shipped to the designated laboratory under proper chain-of-custody procedures. Samples will be shipped via a commercial courier by the inspector.

4.3 Analytical Methods

If additional sampling is required, ACM samples will be analyzed via polarized light microscopy analysis utilizing U.S. EPA Method 600/R-93/116.

4.4 Quality Control

If additional sampling is required, appropriate QA samples of suspect materials will be collected in accordance with applicable regulatory procedures. A QA duplicate sample will be collected at a frequency of one for every 20 samples collected during the investigation. QA samples will be included as blind duplicates on chain-of-custody documentation. The QA field duplicate sample will provide data quality indicators for overall precision.

The appropriate inspector or chemist will review laboratory results and QA documentation to ensure project QA objectives are met.

4.5 Instrument/Equipment Testing, Inspection, and Maintenance

The use of field sampling equipment requiring testing, inspection, or maintenance is not anticipated. The designated laboratory will be responsible for maintaining laboratory equipment in accordance with manufacturer's recommendations and applicable certifications.

4.6 Instrument/Equipment Calibration and Frequency

Field equipment calibration will not be required for any required sampling. Laboratory equipment will be calibrated as required by the analytical method and the laboratory's applicable certification.

4.7 Inspection/Acceptance of Supplies and Consumables

Field supplies and sample containers used for this project will be new, manufacturer-certified, and will be inspected prior to, and periodically throughout, the duration and completion of sampling activities.

4.8 Data Management

4.8.1 Field Logbook Completion

Data collection procedures and instructions detailed in this QAPP provide the guidance to record field activities in field logbooks and/or chain-of-custody forms used as part of the sampling effort. All field personnel will document and review their own work and are accountable for its correctness. All field personnel will ensure that the following are completed:

- A summary of field activities will be properly recorded in field logbooks with consecutively numbered pages.
- Field forms will be completed using appropriate writing instruments to ensure legibility. Sample labels will be completed using indelible ink.
- In such case an error is made on field forms, the error will be struck out with a single line and the correct information will be written above or beside the error; the correction will be initialed and dated. Errors on field forms will not be written over or obliterated in any way.
- Sample collection information will be recorded in the field logbook or on field forms.
- Correct sample identification will be included on sample labels, field forms, and the project chain-of-custody form.
- Chain-of-custody forms will be relinquished with the correct date and time noted.

For sampling and field activities, the following types of information will be recorded in the field logbook/field sample log sheets as appropriate:

- Site name and location
- Date and time of logbook entries
- Personnel and their affiliations
- Weather conditions
- Activities involved with the sampling
- Subcontractor activity summary
- Site observations including Site entry and exit times
- Site sketches made onsite
- Visitor names, affiliations, arrival, and departure times
- Health and safety issues, including personal protective equipment

All field documentation will be reviewed for accuracy and completeness.

4.8.2 Sample Handling and Tracking System

If additional sampling is required, proper custody procedures will be followed throughout all phases of sample collection and handling. After collection, each sample will be maintained in the sampler's custody until formally transferred to another party (e.g., commercial courier). For all samples collected, chain-of-custody forms will document the date and time of sample collection, the sampler's name, and the names of all others who subsequently held custody of the sample. Specifications for analyses will also be documented on the chain-of-custody form.

Qualified personnel will collect the samples. The samplers will take care not to contaminate samples through improper handling. Samples will be sealed in appropriate containers, packaged by personnel, and placed into sealed containers under chain of custody. Once received by the laboratory, receipt will be documented on the chain-of-custody form and the samples will be checked in. The samples will remain under chain of custody throughout the analysis period to ensure their integrity is preserved.

4.8.3 Field Sample Custody Procedures

If additional sampling is required, chain-of-custody protocols will be used throughout sample handling to establish the evidentiary integrity of sample containers. These protocols will be used to demonstrate that the samples were handled and transferred in a manner that would eliminate possible tampering.

Chain-of-custody forms will include the following information:

- Sample identification number
- Sample matrix
- Sample time
- Sample date
- Analytical methods
- Project number
- Site name
- Custody signatures and the date and time of receipt/relinquishment

The integrity of the samples collected will be the responsibility of identified persons from the time the samples are collected until the samples, or their derived data, are incorporated into the final report.

4.8.4 Laboratory Chain of Custody

Laboratory sample custody procedures (receipt of samples, archiving, and disposal) will be implemented. A sample receipt form will be filled out to note conditions and any discrepancies. The chain-of-custody form will be checked against the sample containers for accuracy. Samples will be logged into the laboratory information management system and given a unique log number, which can be tracked through processing. The laboratory project manager will notify the sampler(s) verbally or via email immediately of any problems on the same day that an issue is identified. Discrepancies and resolutions will be documented on the sample receiving checklist.

4.8.5 Electric Data Management

The use of electronic data is not anticipated for any required sampling. As required, laboratory data deliverables (PDF format) will be used to summarize results and will be included as an attachment to the project report deliverable. Data tables of analytical results will be generated, as needed.

4.8.6 Field Error Detection and Correction

Field documentation will be reviewed for errors. If errors are detected, the document(s) containing errors will be returned to the appropriate personnel for correction. Following correction, the document(s) will become a part of the final version of the project report deliverable.

5.0 ASSESSMENT AND OVERSIGHT

5.1 Assessments and Response Actions

This section details requirements and responsibilities for identifying quality-related deficiencies and non-conformances and for generating corrective action to prevent a recurrence. If determined necessary, the following performance systems audits will be used.

5.1.1 Field Audits

If needed, the EnSafe Field Team Lead, under the direction of the EnSafe Senior Project Manager, may visit the Site to evaluate the performance of field personnel and general field operations and progress. The audit may include examinations of field sampling records and sample collection, handling, and packaging to ensure compliance with the established procedures, maintenance of quality control (QC) procedures, chain of custody, field and sample documentation, and safety procedures. No field audits are expected at this time.

Findings from the field audit (if deemed appropriate) will be provided to the EnSafe Senior Project Manager at the completion of the assessment.

5.1.2 Laboratory Audits

Laboratory audits are not anticipated but are typically completed by the specified accrediting authorities on a routine basis.

5.1.3 Corrective Action

Corrective actions are a set of actions taken to rectify or change a process that causes errors or nonconforming issues or events that can affect data quality. Corrective action can occur during field activities, sample analysis, and data assessment.

5.1.3.1 Sample Collection/Field Measurements

Corrective action may be needed in the field if the scope of work changes or when sampling and/or field procedures require modification due to unexpected conditions. Field personnel will be responsible for reporting all suspected field technical or QA non-conformances or deficiencies to the EnSafe Field Team Lead or Senior Project Manager. The EnSafe Senior Project Manager will be responsible for assessing the suspected problems with the Client, based on the potential for the situation to impact the quality of the data. As appropriate, the EnSafe Senior Project Manager will document non-conformance via email communication and will implement corrective action to remedy the situation.

5.1.3.2 Laboratory Corrective Actions

The laboratory coordinator will notify (verbally or via email) field personnel, EPA, the EnSafe Senior Project Manager, or the chemist immediately upon receipt of any chain-of-custody/sample receipt variances for clarification or direction from the field team.

The chemist will notify (verbally or via email) the laboratory coordinator within 1 business day of any required corrective action.

Laboratory personnel will be alerted that corrective actions may be necessary if:

- QC data are outside the acceptance criteria for precision and accuracy
- Relative percent difference between duplicates are outside of acceptance criteria
- Deficiencies are detected by QA personnel during internal or external audits or from the results of performance evaluation samples
- Inquiries concerning data quality are received

Once resolved, full documentation of corrective action procedures will be required.

These corrective actions are generally performed prior to release of data from the laboratory. The corrective actions are documented by the laboratory and, if the data were affected, the actions should be identified in the laboratory narrative accompanying the data report. If corrective action does not rectify the situation, the laboratory will contact the appropriate person.

The EnSafe Quality Assurance Officer and/or Senior Project Manager may request corrective action for any contractual non-conformance identified during data review. Corrective action may include:

- Reanalyzing samples
- Evaluating and amending sampling procedures
- Evaluating and amending analytical procedures
- Accepting the data and acknowledging the level of uncertainty

The EnSafe Quality Assurance Officer and/or Senior Project Manager will be responsible for approving implementation of corrective action involving re-sampling or amending analytical procedures.

6.0 DATA VALIDATION AND USABILITY

6.1 Data Review, Verification, and Validation

Additional data obtained, if necessary, generated by the laboratory will be reviewed by the selected laboratory in accordance with established laboratory QC procedures prior to submittal to the subcontractor and/or EnSafe. This will include checking for appropriate data entry, along with transcription, calculation, reduction, and transformation errors. The analytical laboratory will provide reports of the analytical data, which will include copies of the chain-of-custody form prepared in the field. The chain-of-custody form will include a complete list of sample information available such as sample dates, sample times, sample matrixes, duplicates, and shipping dates.

6.2 Verification and Data Validation Methods

The sample collection team and EnSafe will review analytical data upon receipt from the laboratory. The data will be tabulated in a designated report. The tables will then be compared to each analytical report to verify proper transcription. The sample collection team and EnSafe will also review the data for completeness to determine if there are any deficiencies, such as data missing or lost integrity. Verification items include:

- Review of the sample shipment for completeness, integrity, and signature accepting the shipment
- All sample labels will be checked against the chain-of-custody form, and any discrepancies will be identified, investigated, and corrected
- Verification of sample login/receipt and chain-of-custody forms will be documented on the laboratory sample receipt form and reviewed
- Verification of chain-of-custody forms will be documented in the validation workbook
- Verification that field QC samples were collected as required
- Verification of the data package for completeness
- Missing information will be requested from the laboratory and validation will be suspended until missing data are received

- Data package completeness will be documented in the data validation report

- Verification of the data against the chain-of-custody form and hard copy data package for accuracy and completeness before incorporation of the data into the final report

As needed, the EnSafe chemist will conduct a data validation review to determine the quality of the data set relative to the end use. The quality and usability of data obtained during the project will be determined by examining data review/verification/validation summary reports and verifying that the sampling procedures and analytical results were obtained following the applicable protocols, are of sufficient quality to satisfy data quality objectives, and can be relied upon for their intended use. This evaluation will include checking field logbooks/forms, field procedures, analyses requested versus analyses performed, data review/verification/validation summary reports, and other QC information. The data assessment will determine possible effects on the data that result from project requirement failures (i.e., data quality) and its actual adequacy to fulfill the Site-specific QA/QC requirements (i.e., data usability).

Validation will be limited to reviewing laboratory quality control summary information, if provided. Raw data will not be reviewed or provided by the laboratory. Validation will focus on the project's specifications or needs and is designed to meet the needs of the decision makers/data users. The data validation will note potentially unacceptable departures from the QAPP. The potential effects of the deviation will be evaluated during the data quality assessment.

6.3 Reconciliation with User Requirements

In general, the primary data quality objectives for any additional surveys or sampling includes the collection of data of sufficient quality for use in assessing the presence of ACM in used building materials prior to planned renovation of the Site building. Quality criteria are set herein to ensure suitability for intended use of the data. The following sections discuss data QA criteria specific to this project and its goals.

6.3.1 Precision

Precision is the measure of agreement among repeated measurements of the same property under identical, or substantially similar conditions. Assessment of precision for this project will be performed with the use of blind (i.e., sampling location not disclosed) duplicate samples, which will be collected and analyzed along with the primary investigative samples. Precision will be calculated as the

relative percent difference in analytical results between the investigative samples and corresponding duplicate samples.

6.3.2 Accuracy

Accuracy is the measure of the overall agreement of a measurement to a known value. It includes a combination of random error (precision) and systematic error (bias) components of both sampling and analysis. For this project, field accuracy will be maintained through adherence to applicable sampling protocols, and laboratory accuracy is maintained through adherence to the U.S. EPA method for requested analysis.

6.3.3 Representativeness

Representativeness is a qualitative term expressing the degree to which data accurately and precisely represents a characteristic of a population, parameter variations at a sampling point, a process condition, or an environmental condition. The sampling approach for this project is stipulated by applicable sampling protocols which take into account for the collection of data representative of the Site conditions. Overall representativeness for this project will be satisfied by ensuring that the QAPP is followed, as well as adherence to established sampling and laboratory protocols.

6.3.4 Completeness

Completeness is a measure of the amount of valid data obtained from a measurement system compared to the amount expected to be obtained under normal conditions. For this project, completeness is relative and will be assessed through adherence to established sampling and laboratory protocols.

6.3.5 Comparability

Comparability is a qualitative term expressing measure of confidence that one data set can be compared to another. The objective of this QAPP is to produce a high level of comparability between data sets. The use of standard methods for sampling and analysis (U.S. EPA protocols), reporting data in standard units, and using standard and comprehensive reporting formats will optimize the potential for high levels of data comparability.

7.0 DOCUMENTS AND RECORDS

After the completion of the asbestos abatement, EnSafe will submit a summary report which will document the ACM abatement process and detail the successful completion of the process. The summary report will include project notification documents, applicable licenses and certifications, final air clearance data, and final disposal documentation for any regulated waste to show that it has been disposed of in accordance with state regulations. A draft report will be provided to the ADEE-DEQ for review. After review, a final report (PDF format), including all supplementary documentation, will be provided to the ADEE-DEQ. Upon receipt, the Client will review the final report for completeness and accuracy and provide a written approval of the final report.

As needed, a report of any sampling effort findings will be prepared, with a Site building floor plan detailing the location of all samples collected and the location of identified ACM. A draft report will be provided to the ADEE-DEQ after receipt of the laboratory data. Following reviews, a final report (PDF format), including field documentation, survey findings, and laboratory data, will be provided to the ADEE-DEQ. Upon receipt, the Client will review the final report for completeness and accuracy and provide a written approval of the final report.

Appendix A
Figures

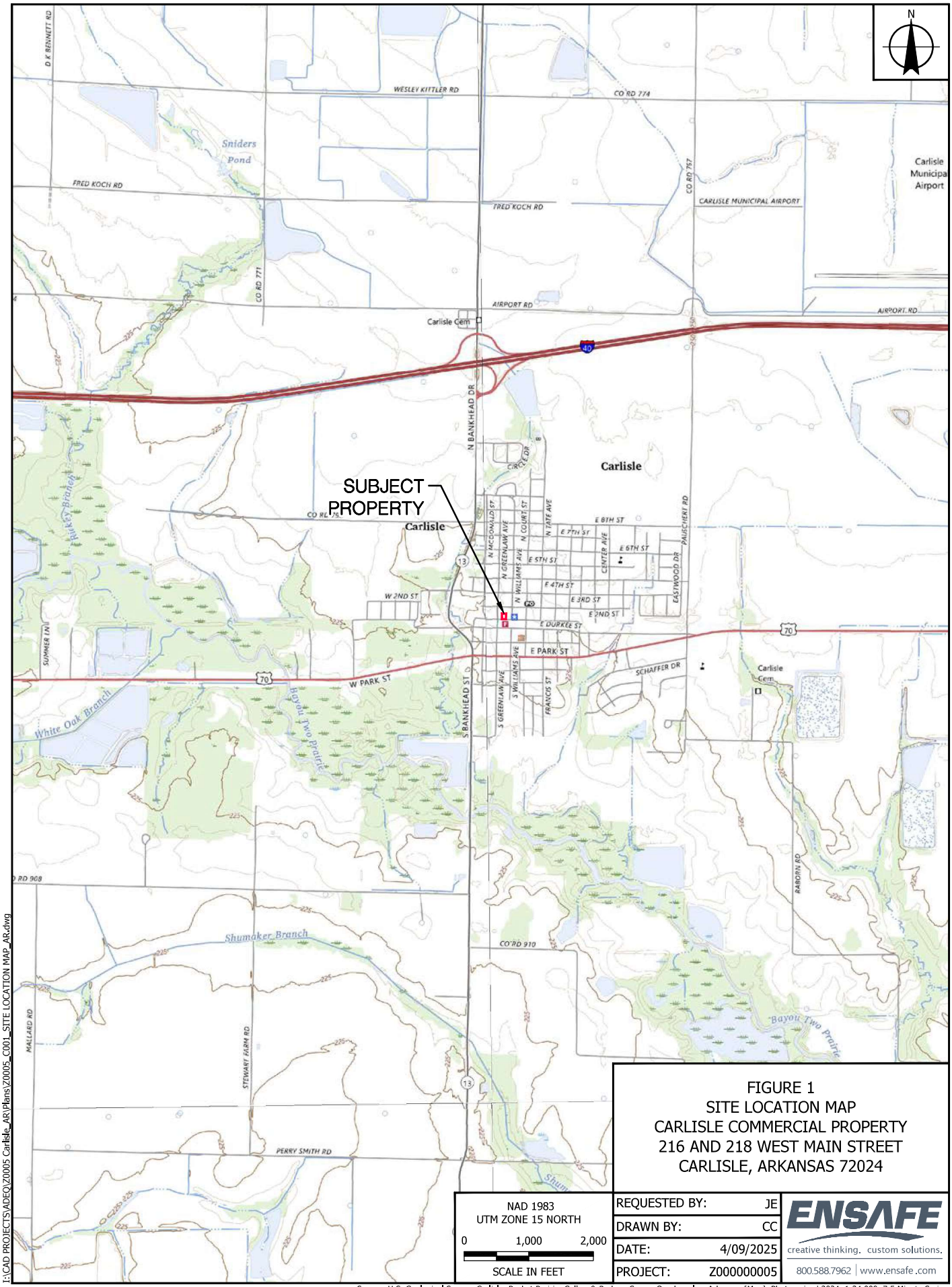


FIGURE 1
SITE LOCATION MAP
CARLISLE COMMERCIAL PROPERTY
216 AND 218 WEST MAIN STREET
CARLISLE, ARKANSAS 72024

REQUESTED BY:	JE
DRAWN BY:	CC
DATE:	4/9/2025
PROJECT:	Z000000005

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800.588.7962 | www.ensafe.com

I:\CAD PROJECTS\ADEQ\Z0005 Carlisle_AR\Plans\Z0005_C001_SITE LOCATION MAP_AR.dwg

Source: U.S. Geological Survey. Carlisle, Pocket Prairie, Culler, & Parkers Corner Quadrangles, Arkansas [Map]. Photorevised 2024. 1:24,000. 7.5 Minute Series.

FIGURE 2
SITE MAP
CARLISLE COMMERCIAL PROPERTY
216 AND 218 WEST MAIN STREET
CARLISLE, ARKANSAS 72024

LEGEND

APPROXIMATE SUBJECT PROPERTY BOUNDARY

NAD 1983 STATE PLANE
ARKANSAS SOUTH FEET

0 30 60

SCALE IN FEET

REQUESTED BY:	JE
DRAWN BY:	CC
DATE:	4/09/2025
PROJECT:	Z000000005

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Source: Google Earth Pro Imagery Date: 11/09/2023

I:\CAD PROJECTS\ADEQ\Z0005 Carlisle_AR\Plans\Z0005_C002_SITE MAP_AR.dwg

Appendix B
Previous Investigations

Environmental Protection Associates

#9 Remington Cove
Little Rock, Arkansas 72204
Phone: 501-562-3818
Fax: 501-562-5701
Toll Free: 1-800-530-7706

Asbestos Survey

To: Trudy Drye
City of Carlisle

From: Gary Nooner

Email:
Fax:

Date: April 5, 2023

Phone:

Pages: 17 Including cover sheet

Re: Vacant Business
218-220 W. Main St

cc:

Comments

Vacant Business
218 to 220 West Main Street
Carlisle, AR

Environmental Protection Associates

#9 Remington Cove
Little Rock, Arkansas 72204
501-562-3818
Fax 501-562-5701

April 5, 2023

City of Carlisle

RE: Asbestos Survey
Vacant Business
218-220 W. Main St
Carlisle, Ar

Mrs. Trudy Drye

On March 21, 2023 at your request I collected samples from the above referenced location to determine if asbestos was present. Nineteen (19) samples were collected for laboratory analysis.

Laboratory analysis of these samples have determined the following:

		Asbestos Detected in the following Materials	
	Description	**Location**	
Sample # 01	9"X9" Floor tile and mastic (Under Carpet)	See Drawing Area # 5	Approx. 315 Sft.
Sample # 02	9"X9" Floor tile and mastic	See Drawing Area # 4	Approx. 30 Sft.
Sample # 03	9"X9" Floor tile and mastic (Under Carpet)	See Drawing Area # 3	Approx. 70 Sft.
Sample # 04	9"X9" Floor tile and mastic	See Drawing Area # 2	Approx. 235 Sft.
Sample # 05 & 06	~~Sheetrock & Joint Compound~~	~~See Drawing Areas # 1-5~~	~~Approx. 1,800 Sft.~~
Sample # 11 & 12	~~Sheetrock & Joint Compound~~	~~See Drawing Area # 6~~	~~Unknown~~
Sample # 15 & 16	Roofing	Roof Area # 6	Approx. 880 Sft.
Sample # 19	Roofing	Roof Area # 7	Approx. 880 Sft.
Assumed	9"X9" Floor tile and mastic	Areas # 6 & 7	Approx. 880 Sft.

Note that Areas 6 & 7 are mostly collapsed and unsafe to enter.

I had the Laboratory perform a composite sample of the sheetrock and joint compound. This additional sampling has determined that the sheetrock and joint compound contains less than 1% (<1%) Chrysotile asbestos.

Federal and state regulations with the exception of OSHA, determine a material to be asbestos containing if it contains 1% or more asbestos. OSHA states that any amount is an asbestos material.

Therefore the following materials must be removed by a licensed asbestos contractor if disturbed by renovation or demolition.

Areas # 1-7 floor tile and mastic, Areas # 6 & 7 roofing

However the sheetrock and joint compound may now be considered an Non-Asbestos material and left in place for renovation/demolition. The Renovation / Demolition contractor will be required to follow OSHA regulations concerning asbestos, if this material is left in place.

For further clarification of the Arkansas asbestos regulation 21. You may contact the Arkansas Department of Environmental Quality (ADEQ) Phone - 501-682-0718 or visit their website at - www.adeq.state.ar.us

I have attached my chain of custody and laboratory findings. Please contact me with any Questions you may have.

Sincerely,

Gary Nooner
Inspector
License No. 005065

Enclosures

Vacant Business
218-220 West Main Street
Carlisle, AR

Asbestos Containing Floor tile and mastic

Asbestos containing Roofing and ASSUMED floor tile and mastic

Environmental Protection Associates

#9 Remington Cove
Little Rock, Arkansas 72204
501-562-3818
Fax 501-562-5701

Asbestos Sampling Chain of Custody
Field Data Sheet

CAL23032423

Client	Property		
Trudy Drye	Vacant Business	Inspector	Gary Nooner
City of Carlisle	218-220 W. Main St	Building ID	Old Chamber of Commerce
	Carlisle, Ar	Date	3/21/2023
		Turnaround Time	Normal

SAMPLE ID	HA	Sample Description Example: FT1- 12 x 12 white Floor tile	Sample Location	A	C	♦	Class (S,T,M)	Friability (F, NF)	Condition (G, D, SD)	Damage (%)	POT. DAM (L, M, H)	Quantity
01		9"x9" Floor tile and mastic (under carpet)	See Drawing Area # 5	X			M	NF	G	15%	H	315 Sft
02		9"x9" Floor tile and mastic	See Drawing Area # 4	X			M	NF	G	15%	H	30 Sft
03		9"x9" Floor tile and mastic (under carpet)	See Drawing Area # 3	X			M	NF	G	15%	H	70 Sft
04		9"x9" Floor tile and mastic	See Drawing Area # 2	X			M	NF	G	15%	H	235 Sft
05		Sheetrock & Joint Compound	See Drawing Areas #1 - # 5	X			M	F	D	40%	H	1,800 Sft
06		Sheetrock & Joint Compound	See Drawing Areas #1 - # 5			X	M	F	D	40%	H	See Above
07		Coating / Plaster	See Drawing Areas #1 - # 5	X			S	F	D	40%	H	Unknown
08		Coating / Plaster	See Drawing Areas #1 - # 5			X	S	F	D	40%	H	See Above
09		Roofing	Roof Areas #1 - #5	X			M	NF	D	30%	H	1,050 Sft
10		Roofing	Roof Areas #1 - #5			X	M	NF	D	30%	H	See Above
11		Sheetrock & Joint Compound	See Drawing Area # 6	X			M	F	D	40%	H	Unknown
12		Sheetrock & Joint Compound	See Drawing Area # 6			X	M	F	D	40%	H	See Above
13		Coating / Plaster	See Drawing Area # 6	X			S	F	D	40%	H	Unknown
14		Coating / Plaster	See Drawing Area # 6			X	S	F	D	40%	H	See Above
15		Roofing	Roof Area #6	X			M	NF	D	30%	H	880 Sft
16		Roofing	Roof Area #6			X	M	NF	D	30%	H	See Above
17		Peg Board	See Drawing Area #	X			M	NF	D	30%	H	Unknown
18		Roof Shingle	Front Awning	X			M	NF	D	30%	H	400 Sft
19		Roofing	Roof Area #7	X			M	NF	D	30%	H	880 Sft

HA - Homogeneous Area **A - Analyze** **C - Catalogue** **♦ - Analyze only if the previous sample was found to be negative.**

10:30AM

Class: S-surfacing, **T**-thermal, **M**-miscellaneous. **Friability:** F-friable, **NF**-non-friable. **Condition: G**-good, **D**-damaged, **SD**-severely damaged. **POT. DAM** (Potential Damage)**: L**-low, **M**-moderate, **H**-high

Relinquished By Jeremy Blaylock	Time 13:10	Date 3-21-23	Relinquished By	Time	Date MAR 22 2023
Received By	Time	Date	Received By	Time	Date

Comments: **Composite Sample all positive Sheetrock and Joint Compound Samples**

CA Labs
Dedicated to Quality

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Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Materials Characterization - Bulk Asbestos Analysis

Laboratory Analysis Report - Polarized Light

Environmental Protection Associates
#9 Remington Cove
Little Rock, AR 72204

Attn: Gary Nooner
Customer Project: Vacant Business 218-220 W Main St
Reference #: CAL23032423RL Date: 03/24/23

Analysis and Method

Summary of polarized light microscopy (PLM / Stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Interim and EPA 600 / R-93 / 116 (Improved). The sample is first viewed with the aid of a stereomicroscope. Numerous liquid slide preparations are created for analysis under the polarized microscope where identifications and quantifications are preformed. Calibrated liquid refractive oils are used as liquid mouting medium. These oils are used for identification (dispersion staining). A calibrated visual estimation is reported, should any asbestiform mineral be present. Other techniques such as acid washing are used in conjugation with refractive oils for detection of smaller quantities of asbestos. All asbestos percentages are based on calibrated visual estimation traceable to NIST standards for regulated asbestos. Traceability to measurement and calibration is achieved by using known amounts and types of asbestos from standards where analyst and laboratory accuracy are measured. As little as 0.001% asbestos can be detected in favorable samples, while detection in unfavorable samples may approach the detection limit of 0.50% (well above the laboratory definition of trace).

Discussion

Vermiculite containing samples may contain trace amounts of actinolite/tremolite. When not detected by PLM, these samples should be analyzed using TEM methods and / or water separation techniques. Suspected actinolite/vermiculite presence will be indicated through the sample comment section of this report.

Fibrous talc containing samples may contain a regulated asbestos fiber known as anthophyllite. Under certain conditions the same fiber may actually contain both talc and anthophyllite (a phenomenon called intergrowth). Again, TEM detection methods are recommended. CA Labs PLM report comments will denote suspected amounts of asbestiform anthophyllite with talc, where further analysis is recommended.

Some samples (floor tiles, surfacings, etc.) may contain fibers too small to be detectable by PLM analysis and should be analyzed by TEM bulk protocols.

A "trace asbestos" will be reported if the analyst observes far less than 1% asbestos. CA Labs defines "trace asbestos" as a few fibers detected by the analyst in several preparations and will indicate as such under these circumstances.

Since allowable variation in quantification of samples close to 1% is high, <1% may be reported. Such results are ideal for point counting, and the technique is mandatory for friable samples (NESHAP, Nov. 1990 and clarification letter 8 May 1991) under 1% percent asbestos or "trace asbestos". **In order to make all initial PLM reports issued from CA Labs NESHAP compliant, all <1% asbestos results (except floor tiles) will be point counted at no additional charge.**

Qualifications

CA Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for selected test methods for airborne fiber analysis (TEM), and for bulk asbestos fiber analysis (PLM). CA Labs is also accredited by AIHA LAP, LLC. in the PLM asbestos field of testing for Industrial Hygiene. All analysts have completed college courses or hold a degree in a natural science (geology, biology, or environmental science). Recognition by a state professional board in one these disciplines is preferred, but not required. Extensive in-house training programs are used to augment the educational background of the analyst. The Laboratory Director and Quality Manager have received supplemental McCrone Research training for asbestos identification. Analysis performed at Crisp Analytical Labs, LLC 1929 Old Denton Road Carrollton, TX 75006

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

CA Labs
Dedicated to Quality

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CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Overview of Project Sample Material Containing Asbestos

Customer Project: Vacant Business 218-220 W Main St **CA Labs Project #:** CAL23032423RL

Laboratory Sample ID	Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
27111	01	*01-2*	*tan floor tile*	***3% Chrysotile***	***tan floor tile***
27111		*01-3*	*black mastic with debris*	***2% Chrysotile***	***black mastic with debris***
27112	02	*02-1*	***Floor tile and mastic**/ tan floor tile*	***2% Chrysotile***	***white surfaced off-white compound***
27113	03	*03-2*	*tan floor tile*	***2% Chrysotile***	***composite of layers 1 and 2***
27114	04	*04-1*	***Floor tile and mastic**/ tan floor tile*	***2% Chrysotile***	***white surfaced tan compound***
27115	05	*05-1*	***Sheetrock and joint compound**/ white surfaced off-white compound*	***2% Chrysotile***	***various black tar and black felt layers***
27115		*05-3*	*composite of layers 1 and 2*	***<1% Chrysotile***	
27121	11	*11-1*	***Sheetrock and joint compound**/ white surfaced tan compound*	***2% Chrysotile***	

Dallas NVLAP Lab Code 200349-0 TEM/PLM *TCEQ# T104704513-15-3* *TDH 30-0235*

AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

This report relates to the items tested. This report is not to be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, AIHA LAP, LLC, or any other agency of the federal government. This report may not be reproduced except in full without written permission from CA Labs. These results are submitted pursuant to CA Labs' current terms and sale, condition of sale, including the company's standard warranty and limitations of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety (90) days before discarding. A shipping or handling fee may be assessed for the return of any samples.

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Overview of Project Sample Material Containing Asbestos

Customer Project: Vacant Business 218-220 W Main St **CA Labs Project #:** CAL23032423RL

Laboratory Sample ID	Sample #	Layer #	Analysts Physical Description of Subsample	Asbestos type / calibrated visual estimate percent	List of Affected Building Material Types
27121		*11-3*	*composite of layers 1 and 2*	***<1% Chrysotile***	
27125	15	*15-1*	***Roofing**/ various black tar and black felt layers*	***13% Chrysotile***	
27129	19	*19-1*	***Roofing**/ various black tar and black felt layers*	***3% Chrysotile***	

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235
AIHA LAP, LLC Laboratory #102929

Glossary of abbreviations (non-asbestos fibers and non-fibrous minerals):

ca - carbonate
gypsum - gypsum
bi - binder
or - organic
ma - matrix
mi - mica
ve - vermiculite
ot - other
pe - perlite
qu - quartz
fg - fiberglass
mw - mineral wool
wo - wollastinite
ta - talc
sy - synthetic
ce - cellulose
br - brucite
ka - kaolin (clay)
pa - palygorskite (clay)

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Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Gary Nooner
Environmental Protection Associates
#9 Remington Cove
Little Rock, AR 72204

Phone # 501-562-3818
Fax #

Customer Project: Vacant Business 218-220 W Main St
Turnaround Time: 3 Days

CA Labs Project #: CAL23032423RL
Date: 3/24/2023
Samples Rec'd: 3/22/23 10:30am
Date Of Sampling: 3/21/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
27111	01		*01-1*	***Floor tile and mastic**/ tan mastic*	*y*	***None Detected***		100% qu,gy,bi
27111			*01-2*	*tan floor tile*	*y*	***3% Chrysotile***		97% qu,ca
27111			*01-3*	*black mastic with debris*	*y*	***2% Chrysotile***		98% gy,bi
27112	02		*02-1*	***Floor tile and mastic**/ tan floor tile*	*y*	***2% Chrysotile***		98% qu,ca
27112			*02-2*	*black mastic*	*y*	***None Detected***		100% gy,bi
27113	03		*03-1*	***Floor tile and mastic**/ tan mastic*	*y*	***None Detected***		100% qu,gy,bi
27113			*03-2*	*tan floor tile*	*y*	***2% Chrysotile***		98% qu,ca

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Jose Matute
Analyst

Robert Olivarez
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Gary Nooner
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#9 Remington Cove
Little Rock, AR 72204

Phone # 501-562-3818
Fax #

Customer Project:
Vacant Business 218-220 W Main St

CA Labs Project #:
CAL23032423RL

Turnaround Time:
3 Days

Date: 3/24/2023
Samples Rec'd: 3/22/23 10:30am
Date Of Sampling: 3/21/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
27113			*03-3*	*black mastic*	*y*	***None Detected***	2% ce	98% gy,bi
27114	04		*04-1*	***Floor tile and mastic**/ tan floor tile*	*y*	***2% Chrysotile***		98% qu,ca
27114			*04-2*	*black mastic*	*y*	***None Detected***	2% ce	98% gy,bi
27115	05		*05-1*	***Sheetrock and joint compound**/ white surfaced off-white compound*	*n*	***2% Chrysotile***		98% qu,bi,ca
27115			*05-2*	*white drywall with brown paper*	*n*	***None Detected***	21% ce	79% qu,gy
27115			*05-3*	*composite of layers 1 and 2*	*n*	***<1% Chrysotile***	12% ce	88% qu,bi,gy
27116	06		*06-1*	***Sheetrock and joint compound**/ white surfaced off-white compound*		*Positive Stop*		

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Jose Matute
Analyst

Robert Olivarez
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
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8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

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Customer Info: **Attn:** Gary Nooner
Environmental Protection Associates
#9 Remington Cove
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Phone # 501-562-3818
Fax #

Customer Project:
Vacant Business 218-220 W Main St

CA Labs Project #:
CAL23032423RL

Turnaround Time:
3 Days

Date: 3/24/2023
Samples Rec'd: 3/22/23 10:30am
Date Of Sampling: 3/21/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
27116			*06-2*	*white drywall with brown paper*		*Not Analyzed*		
27117	07		*07-1*	***Coating / plaster**/ off-white surfaced tan plaster*	*n*	***None Detected***		100% qu,bi,ca
27118	08		*08-1*	***Coating / plaster**/ off-white surfaced tan plaster*	*n*	***None Detected***		100% qu,bi,ca
27119	09		*09-1*	***Roofing**/ black tar and black felt layers*	*n*	***None Detected***	21% ce	79% qu,bi
27120	10		*10-1*	***Roofing**/ black tar and black felt layers*	*n*	***None Detected***	23% ce	77% qu,bi
27121	11		*11-1*	***Sheetrock and joint compound**/ white surfaced tan compound*	*n*	***2% Chrysotile***		98% qu,bi,ca
27121			*11-2*	*white drywall with brown paper*	*n*	***None Detected***	20% ce	80% qu,gy

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

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gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

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Analyst

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1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
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Polarized Light Asbestiform Materials Characterization

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Environmental Protection Associates
#9 Remington Cove
Little Rock, AR 72204

Phone # 501-562-3818
Fax #

Customer Project:
Vacant Business 218-220 W Main St

CA Labs Project #:
CAL23032423RL

Turnaround Time:
3 Days

Date: 3/24/2023
Samples Rec'd: 3/22/23 10:30am
Date Of Sampling: 3/21/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
27121			*11-3*	*composite of layers 1 and 2*	*n*	***<1% Chrysotile***	10% ce	90% qu,gy,bi,ca
27122	12		*12-1*	***Sheetrock and joint compound**/ white surfaced tan compound*		*Positive Stop*		
27122			*12-2*	*white drywall with brown paper*		*Not Analyzed*		
27123	13		*13-1*	***Coating / plaster**/ white surfaced tan plaster*	*n*	***None Detected***		100% qu,bi,ca
27124	14		*14-1*	***Coating / plaster**/ white surfaced tan plaster*	*n*	***None Detected***		100% qu,bi,ca
27125	15		*15-1*	***Roofing**/ various black tar and black felt layers*	*n*	***13% Chrysotile***	2% fg	85% qu,bi
27126	16		*16-1*	***Roofing**/ various black tar and black felt layers*		*Positive Stop*		

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Jose Matute
Analyst

Robert Olivarez
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

CA Labs
Dedicated to Quality

Crisp Analytical, L.L.C.
1929 Old Denton Road
Carrollton, TX 75006
Phone 972-242-2754
Fax 972-242-2798

CA Labs, L.L.C.
12232 Industriplex, Suite 32
Baton Rouge, LA 70809
Phone 225-751-5632
Fax 225-751-5634

Polarized Light Asbestiform Materials Characterization

Customer Info: **Attn:** Gary Nooner
Environmental Protection Associates
#9 Remington Cove
Little Rock, AR 72204

Phone # 501-562-3818
Fax #

Customer Project:
Vacant Business 218-220 W Main St

Turnaround Time:
3 Days

CA Labs Project #:
CAL23032423RL

Date: 3/24/2023
Samples Rec'd: 3/22/23 10:30am
Date Of Sampling: 3/21/2023
Purchase Order #:

Laboratory Sample ID	Sample #	Comment	Layer #	Analysts Physical Description of Subsample	Homogeneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
27127	17		*17-1*	***Peg board**/ white surfacing*	*y*	***None Detected***		100% qu,bi
27127			*17-2*	*brown fibrous paneling*	*y*	***None Detected***	100% ce	
27128	18		*18-1*	***Roof shingle**/ black roofing shingle with tan gravel*	*n*	***None Detected***	15% ce 10% fg	75% qu,bi
27129	19		*19-1*	***Roofing**/ various black tar and black felt layers*	*n*	***3% Chrysotile***	20% ce	77% qu,bi

Dallas NVLAP Lab Code 200349-0 TEM/PLM TCEQ# T104704513-15-3 TDH 30-0235

AIHA LAP, LLC Laboratory #102929

Analysis Method: Interim (40CFR Part 763 Appendix E to Subpart E) / Improved (EPA-600 / R-93/116). *All samples received in good condition unless noted.*
Preparation Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion attaining / becke line method.

ca - carbonate	mi - mica	fg - fiberglass	ce - cellulose
gy - gypsum	ve - vermiculite	mw - mineral wool	br - brucite
bi - binder	ot - other	wo - wollastonite	ka - kaolin (clay)
or - organic	pe - perlite	ta - talc	pa - palygorskite (clay)
ma - matrix	qu - quartz	sy - synthetic	

Approved Signatories:

Jose Matute
Analyst

Robert Olivarez
Analyst

Technical Manager
Tanner Rasmussen

Senior Analyst
Julio Robles

1. Fire Damage significant fiber damage - reported percentages reflect unaltered fibers
2. Fire Damage no significant fiber damages effecting fibrous percentages
3. Actinolite in association with Vermiculite
4. Layer not analyzed - attached to previous positive layer and contamination is suspected
5. Not enough sample to analyze
6. Anthophyllite in association with Fibrous Talc
7. Contamination suspected from other building materials
8. Favorable scenario for water separation on vermiculite for possible analysis by another method
9. < 1% Result point counted positive
10. TEM analysis suggested

STATE OF ARKANSAS DEPARTMENT OF ENERGY AND ENVIRONMENT

Division of Environmental Quality

OFFICE OF AIR QUALITY, ASBESTOS PROGRAM

GARY NOONER

having satisfied the requirements necessary to meet the provisions of AHERA/ASHARA under TSCA Title II and the Arkansas Pollution Control and Ecology Commission's Rule 21 pursuant to AC.A. § 20-27-1001, et seq., within the State of Arkansas is hereby certified to perform activities related to asbestos containing material in the following discipline(s)

Discipline	Issue Date	Effective Date	Expiration Date
Air Monitor	12/06/2022	12/08/2022	12/31/2023
Contractor Supervisor	12/06/2022	12/08/2022	12/31/2023
Inspector	12/05/2022	12/08/2022	12/31/2023
Project Designer	12/07/2022	12/08/2022	12/31/2023

Certification Number: **005065**

Julie Linck
Chief Administrator, Environment
Arkansas Department of Energy and Environment

STATE OF ARKANSAS DEPARTMENT OF ENERGY AND ENVIRONMENT

Division of Environmental Quality

OFFICE OF AIR QUALITY, ASBESTOS PROGRAM

ENVIRONMENTAL PROTECTION ASSOCIATES (EPA)

having qualified as required by law in accordance with the rules adopted by the Arkansas Pollution Control and Ecology Commission's Rule 21 pursuant to AC.A 20-27-1001, et seq., relative to performing asbestos related work within the State of Arkansas is licensed as an

Asbestos Abatement Contractor

License Number: 000020

Issue Date: 11/28/2022
Expiration Date: 12/1/2023

Julie Linck
Chief Administrator, Environment
Arkansas Department of Energy and Environment

License No. 0003060423

ID #1964

State of Arkansas

Commercial Contractors Licensing Board

ENVIRONMENTAL PROTECTION ASSOCIATES OF RUSSELLVILLE, INC.
9 REMINGTON COVE
LITTLE ROCK, AR 72204

This is to Certify That ENVIRONMENTAL PROTECTION ASSOCIATES OF RUSSELLVILLE, INC.

is duly licensed under the provisions of Ark. Code Ann. § 17-25-101 et. seq. as amended and is entitled to practice Contracting in the State of Arkansas within the following classifications/specialties:

BUILDING
- (COMMERCIAL & RESIDENTIAL)
SPECIALTY
Asbestos
Environmental General

This contractor has an unlimited suggested bid limit.

from May 20, 2022 **until** April 30, 2023 **when this Certificate expires.**

Witness our hands of the Board, dated at North Little Rock, Arkansas:

GREAT SEAL OF THE STATE OF ARKANSAS

CHAIRMAN

SECRETARY

May 20, 2022 - dsa

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 1/31/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Sterling Seacrest Pritchard, Inc.
4601 East McCain Blvd
Suite B
North Little Rock AR 72117

CONTACT NAME:
PHONE (A/C, No, Ext): 501-588-0857 FAX (A/C, No):
E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Arch Specialty Insurance Company	21199
INSURER B : Lafayette Insurance	18295
INSURER C : American Interstate Insurance Co	31895
INSURER D :	
INSURER E :	
INSURER F :	

INSURED ENVIPRO-02
Environmental Protection Associates of Russellville, Inc.
9 Remington Cove
Little Rock AR 72204

COVERAGES **CERTIFICATE NUMBER:** 1408450671 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y	Y	12EMP2232803	12/31/2022	12/31/2023	EACH OCCURRENCE	$ 1,000,000
	CLAIMS-MADE X OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 100,000
	X Blkt Contractual						MED EXP (Any one person)	$ 5,000
	X XCU Included						PERSONAL & ADV INJURY	$ 1,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	$ 2,000,000
	POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$ 2,000,000
	OTHER:							$
B	AUTOMOBILE LIABILITY	Y	Y	60521561	12/31/2022	12/31/2023	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
A	X UMBRELLA LIAB X OCCUR	Y	Y	12EMX2232903	12/31/2022	12/31/2023	EACH OCCURRENCE	$ 5,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	$ 5,000,000
	DED X RETENTION $ 0							$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N	N / A	Y	AVWCAR3147012022	12/31/2022	12/31/2023	X PER STATUTE OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)						E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
A	Pollution Incl Mold Professional Liability			12EMP2232803	12/31/2022	12/31/2023	Limit Per Incident Aggregate	1,000,000 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
The following applies when required in a written contract or agreement: Certificate holder and owner are included as additional insureds on a primary and non-contributory basis with respect to General Liability (including completed operations), Auto Liability, Professional Liability, and Umbrella. Waiver of subrogation is provided on General Liability, Auto Liability, Umbrella, Professional Liability, and Workers Compensation.

CERTIFICATE HOLDER

For Bidding Purposes

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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PHOTO NO. 1 DESCRIPTION:	View of demolished building - remaining debris is considered asbestos-contaminated waste requiring disposal by a licensed asbestos contractor at an approved landfill. Photo provided by Arkansas DEQ.

PHOTO NO. 2 DESCRIPTION:	View of demolished building. Photo provided by Arkansas DEQ.

PHOTO NO. 3 DESCRIPTION:	View of demolished building. Photo provided by Arkansas DEQ.

PHOTO NO. 4 DESCRIPTION:	View of demolished building. Photo provided by Arkansas DEQ.

PHOTO NO. 5 DESCRIPTION:	View of demolished building. Photo provided by Arkansas DEQ.

PHOTO NO. 6 DESCRIPTION:	View of demolished building. Photo provided by Arkansas DEQ.

Appendix C
Abatement Project Design Plan

Environmental Protection Associates
Abatement Project Design Plan
Vacant / Demolished Structures
Date - April 11, 2025

218-220 West Main Street
Carlisle, AR 72024

Asbestos Laden Debris Pile

Follow all U.S. EPA, NESHAP, OSHA and State of Arkansas regulations. Isolate the work area with asbestos barrier tape and "Danger Asbestos" signs.

Ground workers will wear, at a minimum, a half-faced respirator.

The equipment Operator will be in an enclosed cab machine and made aware of the presence of asbestos.

All material to be kept adequately wet with APSA 80 Surfactant.
Material removed from the debris pile will be placed into plastic lined dumpsters.

WORK PROCEDURES

Isolate work area with asbestos barrier tape and "Danger Asbestos" signs.
Negative Exposure Air Monitoring will be performed to ensure the safety of the equipment operators and ground crew.
Debris will be kept wet during the loading by an enclosed cab piece of equipment, into lined dumpsters and or trailers.
After all Debris have been removed, the remaining Asbestos floor tile and mastic will be wet and scraped from floor using spud hoes and/or tile machine. Mastic will be removed using solvents. After all clean-up has been done, the area will be wet wiped.

A visual inspection of the area will be conducted to ensure the asbestos materials have been removed.

All waste generated will be disposed of at an accredited landfill, authorized to receive Asbestos.

Gary Nooner
Project Designer #005065
Environmental Protection Associates #00020
9 Remington Cove, Little Rock, AR 72204
501-562-3818 or 501-516-3959

gnooner@epaonline.biz

Appendix D
Certification and Training Documentation

Environmental Protection Associates

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM

GARY NOONER

has satisfied the requirements of AHERA/ASHARA under TSCA Title II, and those of Rule 21 of the Arkansas Pollution Control and Ecology Commission, pursuant to Ark. Code Ann. § 20-27-1001 *et seq.*, and is hereby certified to perform certain asbestos-related work, within the State of Arkansas, in the following discipline(s):

Discipline	Expiration Date
Inspector	12/31/2025
Proj Designer	12/31/2025
Contractor/Sup	12/31/2025
Air Monitor	12/31/2025

Certification Number: 005065

Bailey Taylor
Director, Division of Environmental Quality
Chief Administrator of the Environment
Arkansas Department of Energy and Environment

SEEK Watermark

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM

ENVIRONMENTAL PROTECTION ASSOCIATES (EPA)

is qualified to perform certain asbestos-related work within the State of Arkansas, under Rule 21 of the Arkansas Pollution Control and Ecology Commission and Ark. Code Ann. § 20-27-1001 *et seq.*, and is hereby licensed as an

Asbestos Abatement Contractor

License Number: 000020-CCL-CT

Expiration Date: November 30, 2025

Bailey Taylor
Director, Division of Environmental Quality
Chief Administrator of the Environment
Arkansas Department of Energy and Environment

Arkansas Contractors Licensing Board

Name: Environmental Protection

- OR -

ID Number:

- OR -

License No.: (enter only first six digits, including zeros)

Submit

Click Here For Advanced Search

Found 1 contractor(s):

Name	Valid	Restricted	Suggested Bid Limit	ID Number	Registration No	Type	Address	Phone	Fax	City	State	County	Zip	License No.	Expires	Lic Extended To	Classifications
ENVIRONMENTAL PROTECTION ASSOCIATES OF RUSSELLVILLE, INC.	Extended		Unlimited	1964		Commercial	9 REMINGTON COVE	501-562-3818	501-562-5701	LITTLE ROCK	AR	Pulaski	72204	0003060425	04/30/2025	06/27/2025	Building - (Commercial & Residential), Asbestos, Environmental General

To see if a contractor has any complaints or violations, please contact us at 501-372-4661 or email us at contractors.licensing.board@arkansas.gov

Any contractor with **"Yes"** or **"Extended"** showing in the "Valid" column **is considered to be an active and valid contractor** according to the latest data at the Arkansas Contractor Licensing Board as of May 8, 2025 at 10:08AM.

If you cannot find the contractor that you're searching for, please contact the AR Contractor Licensing Board office at 501-372-4661.
A complete roster is generated nightly. Click here to download it: latestroster.csv.

EnSafe Inc.

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM

ENSAFE INC.

is qualified to perform certain asbestos-related work within the State of Arkansas, under Rule 21 of the Arkansas Pollution Control and Ecology Commission and Ark. Code Ann. § 20-27-1001 *et seq.*, and is hereby licensed as an

Asbestos Abatement Consultant

License Number: 000341-CCL-CL

Expiration Date: September 30, 2025

Bailey Taylor
Interim Director, Division of Environmental Quality
Chief Administrator of the Environment
Arkansas Department of Energy and Environment

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM

DEAN STOKER

has satisfied the requirements of AHERA/ASHARA under TSCA Title II, and those of Rule 21 of the Arkansas Pollution Control and Ecology Commission, pursuant to Ark. Code Ann. § 20-27-1001 *et seq.*, and is hereby certified to perform certain asbestos-related work, within the State of Arkansas, in the following discipline(s):

Discipline	Expiration Date
Inspector.....	09/30/2025

Certification Number: 011748

Bailey Taylor
Director, Division of Environmental Quality
Chief Administrator of the Environment
Arkansas Department of Energy and Environment

SEEK Watermark

Asbestos

CERTIFICATE OF ACHIEVEMENT

Awarded to: DEAN STOKER

In accordance with the EPA NESHAP Compliance and EPA TSCA Title II accrediation standards for successful completion of the

Asbestos Inspector Refresher Training Course

AR Reg 21.1907 items were taught in this course

I

AIR-924-6335
Certificate Number

September 24, 2024
Examination Date

September 24, 2024
Course Date

September 24, 2025
Expiration Date

Robert W Kahn

Environmental Technologies
P.O. Box 21243
Little Rock, AR 72221
(501) 425-9585

This certificate attests the above individual attended and satisfactorily completed the Course exam with a passing score of 70% or better.

Asbestos REFRESHER

Course Location: Memphis, Tennessee

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM

JAMES OCONNELL

has satisfied the requirements of AHERA/ASHARA under TSCA Title II, and those of Rule 21 of the Arkansas Pollution Control and Ecology Commission, pursuant to Ark. Code Ann. § 20-27-1001 *et seq.*, and is hereby certified to perform certain asbestos-related work, within the State of Arkansas, in the following discipline(s):

Discipline	Expiration Date
Inspector.....	05/31/2025

Certification Number: 018281

Caleb J. Osborne
Director, Division of Environmental Quality
Chief Administrator of the Environment
Arkansas Department of Energy and Environment

SEEK Watermark

Crisp Analytical Laboratory (CA Labs)

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200349-0

Crisp Analytical Laboratory

Carrollton, TX

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

Asbestos Fiber Analysis

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

2024-10-01 through 2025-09-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Crisp Analytical Laboratory
1929 Old Denton Road
Carrollton, TX 75007
C. T. Rasmussen
Phone: 972-242-2754
Email: calabsdallas@calabsinc.com
http://www.calabsinc.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200349-0**

Bulk Asbestos Analysis

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

Airborne Asbestos Analysis

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

For the National Voluntary Laboratory Accreditation Program

Effective 2024-10-01 through 2025-09-30

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

Crisp Analytical Labs, LLC
ND-TX Holdings
1929 Old Denton Rd Carrollton, TX 75006-3756

Laboratory ID: LAP-102929
Issue Date: 02/01/2024
Expire Date: 02/01/2026

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Industrial Hygiene Laboratory Accreditation Program (IHLAP)

Initial Accreditation Date: 03/01/2009

IHLAP Scope Category	Field of Testing (FOT)	Technology sub-type/Detector	Published Reference Method/Title of In-house Method	Component, parameter, characteristic, material, or product tested
Asbestos/Fiber Microscopy Core	Phase Contrast Microscopy (PCM)	-	NIOSH 7400	Asbestos/Fibers
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)	-	EPA 600/M4-82-020	Interim Method for the Determination of Asbestos in Bulk Insulation Samples
Asbestos/Fiber Microscopy Core	Polarized Light Microscopy (PLM)	-	EPA 600/R-93/116	Asbestos & Other Fibers in Bulk
Asbestos/Fiber Microscopy Core	Transmission Electron Microscopy (TEM)	-	EPA AHERA - 40 CFR Part 763	Asbestos
Asbestos/Fiber Microscopy Core	Transmission Electron Microscopy (TEM)	-	Yamate Level 2	Asbestos

A complete listing of currently accredited IHLAP laboratories is available on the AIHA LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Crisp Analytical Labs, LLC
ND-TX Holdings
1929 Old Denton Rd Carrollton, TX 75006-3756
Laboratory ID: LAP-102929

along with all premises from which key activities are performed, as listed above, has fulfilled the requirements of the AIHA Laboratory Accreditation Programs, LLC (AIHA LAP) accreditation to the ISO/IEC 17025:2017 international standard, General Requirements for the Competence of Testing and Calibration Laboratories in the following:

LABORATORY ACCREDITATION PROGRAMS

☑	**INDUSTRIAL HYGIENE**	Accreditation Expires: February 01, 2026
☐	**ENVIRONMENTAL LEAD**	Accreditation Expires:
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: February 01, 2026
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:
☐	**BE FIELD/MOBILE**	Accreditation Expires:

Specific Field(s) of Testing/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached Scope of Accreditation. Continued accreditation is contingent upon successful on-going compliance with ISO/IEC 17025:2017 and AIHA LAP requirements. This certificate is not valid without the attached Scope of Accreditation. Please review the AIHA LAP website (www.aihaaccreditedlabs.org) for the most current Scope.

Cheryl O. Morton

Cheryl O Morton
Managing Director, AIHA Laboratory Accreditation Programs, LLC

Revision21: 10/24/2023

Date Issued: 02/01/2024

AIHA Laboratory Accreditation Programs, LLC

SCOPE OF ACCREDITATION

Crisp Analytical Labs, LLC
ND-TX Holdings
1929 Old Denton Rd Carrollton, TX 75006-3756

Laboratory ID: LAP-102929
Issue Date: 02/01/2024
Expire Date: 02/01/2026

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or withdrawal of accreditation.

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 03/01/2004

EMLAP Scope Category	Field of Testing (FOT)	Component, parameter, characteristic, material, or product tested	Method	Method Description *(for internal methods only)*
Fungal	Air - Culturable	Air	IAQ SOP Section 5.3	Viable Anderson
Fungal	Bulk - Culturable	Bulks, Swabs	IAQ SOP Section 5.4	Viable Bulk/Swab
Fungal	Surface - Culturable	Contact Plate	IAQ SOP Section 5.5	Contact Plate

A complete listing of currently accredited EMLAP laboratories is available on the AIHA LAP, LLC website at: *http://www.aihaaccreditedlabs.org*

Texas Department of State Health Services

ND TX HOLDINGS LLC DBA CRISP ANALYTICAL LAB
CRISP ANALYTICAL LABS

is certified to perform as an

Asbestos Laboratory

PCM, PLM, TEM

in the State of Texas and is hereby governed by the rights, privileges and responsibilities set forth in Texas Occupations Code, Chapter 1954 and Title 12, Texas Administrative Code, Chapter 295 relating to Texas Asbestos Health Protection, as long as this license is not suspended or revoked.

License Number: 300235

Expiration Date: 11/02/2025

Jennifer Shuford, MD, MPH,
Commissioner of Health

Control Number: 96748

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE

SEE BACK

Rick Figueroa
Chair

Thomas F. Butler
Vice Chair

Gerald R. Callas, M.D., F.A.S.A.
Nora Castañeda
Sujeeth Draksharam
Lori High, R.N., N.P., Retired
Gary F. Wesson, D.D.S., M.S.

Mold Analysis Laboratory

CRISP ANALYTICAL LABS LLC

1929 OLD DENTON RD CARROLLTON

License Number: LAB0138

The entity named above is licensed by the Texas Department of Licensing and Regulation.

License Expires: December 09, 2026

Courtney Arbour
Executive Director

Colorado Department
of Public Health
and Environment

ASBESTOS LABORATORY

This certifies that

Crisp Analytical Laboratories, LLC

Registration No.: AL - 18110

has met the registration requirements of 25-7-507, C.R.S. and the Air Quality Control Commission Regulation No. 8, Part B, and is hereby authorized to perform asbestos laboratory testing activities, as required by Regulation No 8, Part B, in the state of Colorado.

Issued: April 03, 2025
Expires: April 03, 2026

Authorized APCD Representative

SEAL