#### QUALITY ASSURANCE PROJECT PLAN ASBESTOS ABATEMENT

Former Altheimer Vo-Tech School 302 S. Edline Street Altheimer. AR

Prepared for:

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#### PERSONNEL SIGN-OFF SHEET Quality Assurance Project Plan Asbestos Abatement Former Altheimer Vo-Tech School 302 S. Edline Street Altheimer, AR

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- Appendix D Training/Certification Documentation

#### **1.0 PROJECT MANAGEMENT**

#### **1.1 Distribution List**

Snyder Environmental prepared this Quality Assurance Project Plan (QAPP) (the Plan) for employees performing the asbestos abatement activities at the Former Altheimer Vo-Tech School located at 302 S. Edline Street in Altheimer, Jefferson 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. This QAPP presents the rationale, design, and quality assurance and quality control procedures to be followed for the duration of this project.

#### 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 Site Assessment Program Supervisor, will provide oversight on the project and the program.
- Mary Clerget, AECOM Project Manager, will serve as the primary Project Manager, will provide oversight on the project and program execution between AECOM and the ADEE-DEQ and, review the QAPP as well as all other project deliverables.
- Justin Dixon, Snyder Environmental and Construction, LLC (Snyder), President, and Asbestos Abatement Project Manager, will serve as AECOM subcontractor responsible for conducting the ACM abatement and will ensure all actions are completed in accordance with project objectives. Mr. Dixon 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 Eurofins Houston Laboratories in Stafford, Texas, in accordance with all applicable rules and regulations and will be coordinated by Snyder. All contractors will adhere to Davis-Bacon Act requirements.

#### 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

AECOM 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 an approx. 8,500 SF single story vacant former Vo-Tech School building located at 302 S. Edline Street in Altheimer, AR.

#### 2.2 Source of Contamination

The former Vo-Tech School building was constructed at a time when asbestos building materials were widely used in construction. Previous inspections and surveys have identified the presence of ACM, as summarized below. The following summary was prepared based on findings presented in the Snyder Environmental Asbestos Inspection Report dated September 23, 2024.

#### 2.2.1 Asbestos-Containing Materials

An asbestos inspection conducted by Snyder Environmental in September 2024 included the collection of twelve (12) suspect ACM bulk samples which were submitted to the Eurofins Built Environmental Testing Laboratory in Houston, TX for analysis by polarized light microscopy (PLM). The report identified materials containing greater than 1% asbestos as Tan 12x12 floor tile & Black Mastic adhesive and Transite panels. In total, the following approximate amounts of ACM were identified:

- 2,175 square feet of asbestos-containing Tan 12x12 floor tile & black mastic adhesive
- 160 square feet of asbestos containing transite panels

#### 3.0 PROJECT/DATA QUALITY OBJECTIVES

#### 3.1 Problem Definition

Information provided by the ADEE-DEQ indicates plans to renovate the Site building for planned future development. Regulatory-required surveys and inspections conducted prior to planned renovations identified the presence of regulated materials (ACM) that require abatement 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 surveys and 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.

#### 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 Snyder Environmental. The ABCA Plan provides alternative remedies and includes the suggested remedies selected for the ACM abatement in the Former Vo-Tech School as they relate to planned building renovation. The ABCA 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, Snyder 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 Snyder Asbestos Abatement Project Design included in Appendix C. AECOM plans to retain the services of Snyder to perform the abatement activities summarized below, with AECOM providing oversight. Snyder is an ADEE-DEQ-licensed Asbestos Abatement Contractor (License Number 000355), and an Arkansas-licensed Commercial Contractor (License Number 0123520624), with the following listed specialties: asbestos; demolition and blasting; remediation; remodeling, renovations, restoration, and alterations; and sheet metal, ducts, and ventilation. Copies of Snyder certifications are included in Appendix D.

#### 3.5 Material Surveys and Sampling

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

The following procedures will be implemented should additional samples be collected.

- The actual number of samples collected will depend on the conditions identified in the field and on the actual number of materials identified.
- 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.
- 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 PLM 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 (NIST-NVLAP) proficiency testing program.

• As required, AECOM 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/NESHAP protocols and placed in appropriate sample containers for delivery to a contracted laboratory holding appropriate licenses and certifications for the requested analyses.

#### 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-ofcustody 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 PLM 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 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, manufacturercertified, 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 AECOM Field Team Lead 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 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 AECOM Field Team Lead. AECOM 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, AECOM 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, Snyder and AECOM 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. AECOM 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

#### 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 AECOM. 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 AECOM 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 AECOM 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

#### 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 and/or LBP in 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, AECOM will submit a summary report which will document the ACM abatement and LBP stabilization process and detail the successful completion of the process. The summary report will include project notification documents, applicable licenses and certifications, air final 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 then 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 then provide a written approval of the final report. Appendix A: Project Org. Chart

Appendix B: Asbestos Inspection Report

Appendix C: Asbestos Project Design

Appendix D: Training/Certification Documentation

#### 1.3 Project Organizational Chart



Lines of Communication



## **ASBESTOS INSPECTION REPORT**



Former Altheimer Votech School Project #LITP001976 302 S. Edline Street Altheimer, AR

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Appendix A – Laboratory Analysis Reports

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#### ASBESTOS INSPECTION REPORT

for

# Former Altheimer Votech School Project #LITP001976 302 S. Edline Street Altheimer, AR

#### Introduction

This report summarizes findings and recommendations regarding the potential presence of asbestos-containing materials (ACM) in the former Altheimer Votech School structure located at 302 S. Edline Street in Altheimer, Arkansas. ADEQ Licensed Inspector, Justin Stuart, performed the on-site study to: 1) identify suspect homogeneous materials, 2) collect bulk samples for analysis, and 3) quantify suspect homogeneous materials. The on-site investigation was performed on 23 September 2024.

#### Purpose of Study

The purpose of this study was to confirm or deny the presence of asbestos in the site materials intended to be disturbed, or likely to be disturbed during the course of future renovation or demolition projects, to identify the location of the ACM, to provide response action recommendations, and to facilitate the renovation or demolition schedule. This inspection meets the Arkansas Department of Environmental Quality's (ADEQ) requirement for a "thorough inspection" for asbestos.

#### **Sampling Plan**

DEFINITIONS: <u>Homogeneous materials</u> are those building materials that, by visual and manual inspection, are similar in texture, color, composition and use in the building, and are deemed to be the same material. <u>Suspect homogeneous materials</u> are homogeneous materials that are likely to or are suspected of containing asbestos. <u>Friable materials</u> are those materials that are easily crumbled, crushed or pulverized by hand/finger pressure. A building material is defined as an "<u>asbestos-containing</u>" material (ACM) by the U.S. EPA and state regulations if that material contains >1% asbestos.

If <u>all</u> samples collected of a homogeneous material, subsequent to analysis by an EPA accredited laboratory, result in  $\leq$ 1% or "no asbestos" being detected, the material is deemed to be asbestos free for the purpose of EPA regulations.

Approximately one to three samples were collected from each suspect asbestos containing material. All samples were collected in a random fashion in order to evaluate the asbestos content of each homogeneous material. Determination of homogeneous materials includes material type, texture, pattern, color, and size.



## **Analytical Methodology**

Asbestos samples are sent to Eurofins Built Environmental Testing in Houston, TX NVLAP number 200525-0. Samples are analyzed via Polarized Light Microscopy (PLM) with dispersion staining.

#### **Findings**

During the inspection, six (6) suspect homogenous materials were identified and twelve (12) bulk samples were collected. The table below summarizes the suspect homogenous materials sampled and the analytical results:

| Sample #               | Description                     | Location Percent Asbestos                   |                    | Condition |
|------------------------|---------------------------------|---|--------------------|-----------|
| 302-01-01<br>302-01-02 | Transite Panels<br>(perforated) | Entry Cover at Front<br>Doors               | 15% Chrysotile     | Fair      |
| 302-02-03<br>302-02-04 | 2x2 Lay-in Ceiling Tile         | Throughout Main Part<br>of Structure        | ND                 | Fair      |
| 302-03-05<br>302-03-06 | Tan 12x12 FT /<br>Mastic        | Throughout Main<br>Part of Structure        | 2-5%<br>Chrysotile | Fair      |
| 302-04-07<br>302-04-08 | Mudded Joints                   | Mechanical Closet in<br>Front Foyer         | ND                 | Fair      |
| 302-05-09<br>302-05-10 | Drywall Ceilings                | Two Classrooms in<br>North End of Structure | ND                 | Fair      |
| 302-06-11<br>302-06-12 | Window Glazing                  | Exterior Windows                            | TRACE              | Fair      |

\*ND – No Asbestos Detected

#### **Positive ACM Materials**

The samples of the suspect homogeneous areas were analyzed for asbestos content. Analysis was performed via polarized light microscopy. Two (2) of the homogeneous materials returned with regulated amounts of asbestos.

#### **Report of Findings**

**Two** (2) materials tested positive for greater than 1% asbestos. The following table lists the homogeneous areas that were found to contain greater than 1% asbestos.

| Sample #  | Description     | Location             | Percent<br>Asbestos | Quantity |
|-----------|-----------------|----------------------|---------------------|----------|
| 302-01-01 | Transite Panels | Entry Cover at Front | 15% Chrysotile      | Approx.  |
| 302-01-02 | (perforated)    | Doors                |                     | 160 SF   |
| 302-03-05 | Tan 12x12 FT /  | Throughout Main      | 2-5%                | Approx.  |
| 302-03-06 | Mastic          | Part of Structure    | Chrysotile          | 2,175 SF |



#### Limitations

Unless specifically authorized in the proposal to use destructive means, no subsurface, or encased systems such as plumbing, electrical, HVAC, etc. inside walls and considered inaccessible were inspected, sampled or analyzed. Wire Housing and/or electrical components will not be sampled unless a licensed electrical contractor has disconnected all power and lock out/tag out procedures are in place as per OSHA Regulation. Roof systems, if sampled, must be done so in conjunction with a roofer, engaged by the owner to provide patching necessary to prevent leakage and maintain any roofing warranty that may exist.

No guaranty or warranty, implied or otherwise, is extended regarding the existence or nonexistence of asbestos in the building materials. No guarantee, implied or otherwise, is provided regarding quantities identified. This is inspection is for the condition of the facility only as of the time of the inspection. Building components could be added that contain ACM, hazardous or other regulated material or a change in the Condition could occur over time. Any suspect materials subsequently discovered during repair, renovation, or demolition that were not sampled, should be sampled, if practicable, and analyzed for asbestos content.

#### **Regulatory Requirements and Recommendations**

EPA and OSHA regulations require proper training and monitoring of all personnel involved in the regulated asbestos removal and/or the renovation/demolition activities. Demolition activities will require a 10-day Notice of Intent to ADEQ, regardless of the presence of asbestos containing materials. Renovation activities involving regulated asbestos containing material (RACM) in quantities greater than 160 square feet or 260 linear feet will require a 10-day Notice of Intent to ADEQ before abatement.

Asbestos Containing Transite Panels (perforated) (Sample# 302-01-01 & 02): The asbestos containing perforated Transite panels located on the entry cover at the front doors is considered a Category II Non-Friable asbestos containing material (ACM). These materials must be removed by an ADEQ certified Asbestos Abatement Contractor prior to their disturbance by future demolition or renovation projects.

Asbestos Containing Tan 12x12 FT / Mastic (Sample# 302-03-05 & 06): The asbestos containing tan 12x12 floor tile AND associated black mastic located throughout the main part of the structure (offices, hallways, and classrooms) is considered a Category I Non-Friable asbestos containing material (ACM). It is recommended that these materials be removed by an ADEQ certified Asbestos Abatement Contractor prior to its disturbance by future demolition or renovation projects.



#### Disclaimer

Conclusions presented are based on laboratory results of random samples taken from what appear to be homogeneous materials. Snyder Environmental, Inc. is not responsible for the analysis of those samples. Inferences drawn from sampling are subject to error, and the company is not responsible for this error.

This Inspection Performed by:

Justin Stuart

Justin Stuart Inspection Coordinator AR Certified Inspector #015878 Snyder Environmental

This Report Reviewed by:

Justin Dixon

Justin Dixon President AR Certified Inspector #013021 Snyder Environmental This Report Prepared by:

Justin Stuart

Justin Stuart Inspection Coordinator AR Certified Inspector #015878 Snyder Environmental



# **APPENDIX A**

Laboratory Analysis Reports



24 Sep 2024

ACM SAMPLES



SNYDER ENVIRONMENTAL 7705 NORTHSORE PLACE NORTH LITTLE ROCK, AR 72118

PHONE: 501-801-2773 FAX: 501-907-1129

PROJECT #: LITP001976

Inspection Field Sheet

Date Sampled: 23 Sep 2024

Inspector: J. Stuart

Project Name: Former Altheimer Votech School Project Address: 302 S. Edline Street Altheimer, AR

| <u>#</u> | SAMPLE #  | MATERIAL                | LOCATION                          | SUB | CONDITION | SE/IE        |
|----------|-----------|-------------------------|-----------------------------------|-----|-----------|--------------|
| 1        | 302-01-01 | Transite Panels         |                                   | 500 | CONDITION | <u>3F/LF</u> |
| -        | 302-01-02 | (perforated)            | Entry Cover at Front Doors        | W   | Fair      | 160 SF       |
| -        | 302-02-03 |                         |                                   |     |           |              |
| 2        | 302-02-04 | 2x2 Lay-in Ceiling Tile | Throughout Main Part of Structure | N/A | Fair      | 2,175 SF     |
| 2        | 302-03-05 | T 10 10 FT / 11         |                                   |     |           |              |
| 3        | 302-03-06 | Tan 12x12 FT / Mastic   | Throughout Main Part of Structure | С   | Fair      | 2,175 SF     |
|          | 302-04-07 |                         |                                   |     | -         |              |
| 4        | 302-04-08 | Mudded Joints           | Mechanical Closet in Front Foyer  | м   | Fair      | 2 ea.        |
| -        | 302-05-09 |                         | Two Classrooms in North End of    |     |           |              |
| 5        | 302-05-10 | Drywall Ceilings        | Structure                         | N/A | Fair      | 110 SF       |
| ~        | 302-06-11 |                         |                                   | м   |           |              |
| 0        | 302-06-12 | Window Glazing          | Exterior Windows                  | G   | Fair      | 18 ea.       |
| _        |           |                         |                                   |     |           |              |
|          |           |                         |                                   |     |           |              |
|          |           |                         |                                   |     |           |              |
|          |           |                         |                                   |     |           |              |
|          |           |                         |                                   |     |           |              |
| _        |           |                         |                                   |     |           |              |
|          |           |                         |                                   |     |           |              |
| _        |           |                         |                                   |     |           |              |

**RELINQUISHED BY:** 

TIME: 15-00 DATE: 20240923

RECEIVED BY:

TIME: 9:20AM DATE: 9/24/24

#### Client: Snyder Environmental C/O: Justin Stuart Re: LITP001976; Former Altheimer Votech School

Date of Receipt: 09-24-2024 Date of Report: 09-26-2024

#### ASBESTOS PLM REPORT

|                     | <b>Total Samples Submitted:</b> 12                | 2      |
|---------------------|---|--------|
|                     | Total Samples Analyzed: 12                        | 2      |
|                     | Total Samples with Layer Asbestos Content > 1%: 4 |        |
| Location: 302-01-01 | Lab ID-Version‡: 18705                            | 5622-1 |
| Sample Layers       | Asbestos Content                                  |        |
| Gray Transite       | 15% Chrysotile                                    |        |
| Sample Composite I  | Homogeneity: Good                                 |        |
| Location: 302-01-02 | Lab ID-Version‡: 18705                            | 5623-1 |
| Sample Layers       | Asbestos Content                                  |        |
| Gray Transite       | 15% Chrysotile                                    |        |
| Sample Composite I  | Homogeneity: Good                                 |        |
| Location: 302-02-03 | Lab ID-Version‡: 18705                            | 5624-1 |
| Sample Lavers       | Asbestos Content                                  |        |

| Sample Layers                          | Asbestos Content |
|--|------------------|
| Gray Ceiling Tile                      | ND               |
| <b>Composite Non-Asbestos Content:</b> | 40% Cellulose    |
| -                                      | 40% Mineral Wool |
| Sample Composite Homogeneity:          | Good             |

#### Location: 302-02-04

Lab ID-Version‡: 18705625-1

| Sample Layers                   | Asbestos Content |
|---------------------------------|------------------|
| Gray Ceiling Tile               | ND               |
| Composite Non-Asbestos Content: | 40% Cellulose    |
|                                 | 40% Mineral Wool |
| Sample Composite Homogeneity:   | Good             |

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

All components not quantified as asbestos content and non-asbestos content are considered to be non-fibrous matrix components. Matrix components may include, but are not limited to, gypsum, paint, silicate minerals, vinyl, binder, calcium carbonate, tar, and foam.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

#### Client: Snyder Environmental C/O: Justin Stuart Re: LITP001976; Former Altheimer Votech School

Date of Receipt: 09-24-2024 Date of Report: 09-26-2024

#### ASBESTOS PLM REPORT

#### Location: 302-03-05

| Sample Layers                 | Asbestos Content |
|-------------------------------|------------------|
| Tan Floor Tile                | 2% Chrysotile    |
| Black Mastic                  | 5% Chrysotile    |
| Sample Composite Homogeneity: | Good             |

#### Location: 302-03-06

|                               | •                |
|-------------------------------|------------------|
| Sample Layers                 | Asbestos Content |
| Tan Floor Tile                | 2% Chrysotile    |
| Black Mastic                  | 5% Chrysotile    |
| Sample Composite Homogeneity: | Good             |

#### Location: 302-04-07

|                                 | •                |
|---------------------------------|------------------|
| Sample Layers                   | Asbestos Content |
| White Mastic Wrap               | ND               |
| Gray Insulation                 | ND               |
| Composite Non-Asbestos Content: | 10% Glass Fibers |
| -                               | 5% Mineral Wool  |
| Sample Composite Homogeneity:   | Good             |

#### Location: 302-04-08

Lab ID-Version 18705629-1

Lab ID-Version #: 18705626-1

Lab ID-Version<sup>‡</sup>: 18705627-1

Lab ID-Version 1: 18705628-1

| Sample Layers                   | Asbestos Content                    |
|---------------------------------|-------------------------------------|
| White Mastic Wrap               | ND                                  |
| Gray Insulation                 | ND                                  |
| Composite Non-Asbestos Content: | 10% Glass Fibers<br>5% Mineral Wool |
| Sample Composite Homogeneity:   | Good                                |

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

All components not quantified as asbestos content and non-asbestos content are considered to be non-fibrous matrix components. Matrix components may include, but are not limited to, gypsum, paint, silicate minerals, vinyl, binder, calcium carbonate, tar, and foam.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins J3 Resources, Inc.

#### Client: Snyder Environmental C/O: Justin Stuart Re: LITP001976; Former Altheimer Votech School

Date of Receipt: 09-24-2024 Date of Report: 09-26-2024

#### ASBESTOS PLM REPORT

#### Location: 302-05-09

| Sample Layers                   | Asbestos Content  |
|---------------------------------|-------------------|
| Brown/White Drywall             | ND                |
| Composite Non-Asbestos Content: | 10% Cellulose     |
|                                 | < 1% Glass Fibers |
| Sample Composite Homogeneity:   | Good              |

#### Location: 302-05-10

| Sample Layers                   | Asbestos Content |
|---------------------------------|------------------|
| Brown/White Drywall             | ND               |
| Composite Non-Asbestos Content: | 10% Cellulose    |
| Sample Composite Homogeneity:   | Good             |

#### Location: 302-06-11

| Location: 302-06-11           | Lab ID-Version‡: 18705632- |  |
|-------------------------------|----------------------------|--|
| Sample Layers                 | Asbestos Content           |  |
| Gray Window Glazing           | < 1% Chrysotile            |  |
| Sample Composite Homogeneity: | Good                       |  |

#### Location: 302-06-12

| Sample Layers                 | Asbestos Content |
|-------------------------------|------------------|
| Gray Window Glazing           | < 1% Chrysotile  |
| Sample Composite Homogeneity: | Good             |

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. The Company reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

All components not quantified as asbestos content and non-asbestos content are considered to be non-fibrous matrix components. Matrix components may include, but are not limited to, gypsum, paint, silicate minerals, vinyl, binder, calcium carbonate, tar, and foam.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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#### EMLab ID: 3792020, Page 4 of 4

Lab ID-Version #: 18705630-1

Lab ID-Version 18705631-1

Lab ID-Version<sup>‡</sup>: 18705633-1



## **APPENDIX B**

Photographs











### **APPENDIX C**

Certifications

| Certification Number: 015878   | <ul> <li>has satisfied the requirements of AHERA/ASHARA under TSCA the Arkansas Pollution Control and Ecology Commission, pursu 1001 <i>et seq.</i>, and is hereby certified to perform certain asbesto State of Arkansas, in the following discipline(s):</li> <li>Discipline Expiration Date Inspector</li></ul> | ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY<br>ASBESTOS PROGRAM<br>JUSTIN STUAR |
|--|--|--|
| Caleb J. Osborne<br>Director, Division of Environmental Quality<br>Chief Administrator of the Environment<br>Arkansas Department of Energy and Environment | Title II, and those of Rule 21 of<br>ant to Ark. Code Ann. § 20-27-<br>s-related work, within the  | WHENT . JO LING  |

L

| Certification Number: 013021   | has satisfied the requirements of A<br>the Arkansas Pollution Control and<br>1001 <i>et seq.</i> , and is hereby certified<br>State of Arkansas, in the following<br>Discipline E<br>Contractor/Sup | ARKANSAS DIVISION OF ENVI<br>ASBESTOS PROC<br>JUS |
|--|---|---|
| Director,<br>Chief Ac<br>Arkansas De   | HERA/ASHARA under TSCA Title II, a<br>Ecology Commission, pursuant to Ar<br>I to perform certain asbestos-related<br>discipline(s):<br>xpiration Date<br>05/31/2025<br>05/31/2025<br>05/31/2025     | BRAM<br>BTIN S. DIXON                             |
| Caleb J. Osborne<br>Division of Environmental Quality<br>dministrator of the Environment<br>partment of Energy and Environment | nd those of Rule 21 of<br>k. Code Ann. § 20-27-<br>l work, within the   | ARKYWSPO<br>ENVIRONT. 30 LINAW                    |



#### ASBESTOS ABATEMENT PROJECT DESIGN

Former Altheimer Vo-Tech School

302 S. Edline Street

Altheimer, AR

Date: February 20, 2025

Prepared for:

AECOM

10801 Executive Center Drive, Ste.202

Little Rock, AR 72211

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#### PART 1 – GENERAL

#### 1.1 SUMMARY

A. This project design contains a description of asbestos abatement procedures that will be adhered to for the abatement of asbestos containing materials, as identified by the Asbestos Inspection Reports prepared by Snyder Environmental and dated September 23, 2024, for the Former Altheimer Vo-Tech School located at 302 S. Edline Street, Altheimer, AR.

#### 1.2 REFERENCES

- A. Arkansas Department of Energy & Environment Regulation 21
- B. OSHA 29 CFR 1926.1101 Asbestos Exposure in Construction
- C. OSHA 29 CFR 1910.1001 Asbestos Exposure in General Industry
- D. OSHA 29 CFR 1910.134 Respirator Standard
- E. OSHA 29 CFR 1926.59 Hazard Communication Standard
- F. EPA 40CFR 763 EPA Worker Protection Rule
- G. EPA 40 CFR Part 61 National Emission Standards for Hazardous Air Pollutants
- H. EPA 40 CFR Part 763 Subpart E Asbestos- Containing Materials in Schools

#### 1.3 SUBMITTALS

- A. Project Documentation: Snyder Environmental shall keep a copy of each of the following on the project site:
  - 1. Supervisor and Worker Certifications
  - 2. Personal Air Monitoring Data
  - 3. Sign in/ Sign Out Sheets
  - 4. Waste Disposal Manifests and Shipment Logs
  - 5. Waste Profiles & Characterizations
  - 6. Copy of Asbestos Notice of Intent & any Notice of Intent Revisions
- B. Closeout Submittals: Snyder Environmental shall submit 2 copies of the project closeout document containing the following information within 20 days after the abatement project's completion. Copies of all items shall be kept by the asbestos abatement contractor for a minimum of thirty years.
  - 1. Current insurance certifications
  - 2. Current Asbestos Contractor License.
  - 3. Copies of any correspondence with authorities and permits or NOI.

Asbestos Abatement - Former Altheimer Vo-Tech School

- 4. Employee information including certifications physicals and respirator fit tests.
- 5. Daily project logs and supervisor reports.
- 6. All air monitoring data for the project.
- 7. Sign in/Sign out Sheets
- **8.** Copies of disposal manifest including name of transporter, employees involved with disposal, and disposal location, as well as waste shipment logs, Profiles and/or characterizations.

#### **PART 3 EXECUTION**

#### 3.1 SUMMARY OF WORK

The intent of this project is to safely abate the identified Asbestos Containing Materials in order to prepare the structure for safe & compliant restoration/renovation by others. These asbestos containing materials are identified in the Asbestos Inspection Reports prepared by Snyder Environmental, and include the following:

- Approx. 2,175 SF of asbestos containing tan 12x12 floor tile and black mastic adhesive located in the main portion of the building.
- Approx. 160 SF of asbestos containing transite panels located above the doors at the main entry.

#### A. Asbestos Abatement Methods and Procedures to be executed in the completion of this work.

- 1. Wet methods that keep asbestos-containing materials adequately wet shall be used and strictly followed for all abatement activities being performed.
- 2. Asbestos containing transite panels will be removed intact in a regulated work area, wrapped in two layers of 6-mil poly, labeled and properly disposed of.
- 3. Asbestos containing tan 12x12 floor tile and black mastic adhesive will be abated inside negative pressure containment consisting of critical barriers on all openings of two layers of 6-mil poly sealed at the edges and seams with spray adhesive and Poly tape. HEPA filter equipped air filtration units will be installed and ducted to the outdoors with poly tubing in an adequate number of units to achieve a negative pressure reading of 0.2 "WC as continuously monitored by a digital monometer with audible alarm that will sound to alert if there is a loss in pressure on the containment. This negative pressure containment will remain in place and be maintained until the work is done and clearance has been obtained.
- 4. Following the completion of abatement and final cleaning, the third-party consulting firm will perform a final visual inspection of the containment. Any deficiencies noted will be immediately addressed. Following the passing of the final visual inspection, the third-party consulting firm will commence the final clearance air testing. These air samples will be analyzed by PCM for asbestos and a fiber count of 0.01 fibers per cc will be required for a passing final air clearance. Should fiber counts exceed this threshold, the

containment will be immediately re-cleaned, and this process repeated until passing levels are achieved.

- 5. The debris generated will be double bagged in 6mil asbestos disposal bags, then labeled and tagged and transported to the disposal container. The disposal container will be lined with 6-mil poly, and once full, it will be sealed and transported under waste manifest to the disposal facility for disposal as asbestos waste.
- 6. Snyder Environmental site supervisor and OSHA competent person shall continuously assess the materials to be abated and all the conditions affecting the work to ensure that adequate engineering controls are in place and that the work is progressing in the safest and most efficient manner.

#### 3.3 PROTECTION OF ADJACENT AREAS

A. Asbestos abatement shall be performed without damage to or contamination of adjacent work or areas to remain.

#### 3.4 WORKER PROTECTION

- 1. Prior to commencement of work, the workers shall be instructed and shall be knowledgeable in the types, locations, and quantities of asbestos-containing materials in the work areas.
- 2. Respiratory Protection: Provide workers with personally issued and marked respiratory equipment approved by NIOSH and OSHA Standard 29 CFR 1926.1001. The respiratory protection used shall at all times be in compliance with, or in excess of OSHA requirements. The following is a schedule of minimum respiratory protective equipment to be used during this operation.
  - 1. Gross removal and cleanup of Class II asbestos-containing materials: Workers shall wear half-face air-purifying respirators.
  - 2. The contractor shall supply a full-face, powered air-purifying respirator if requested by an employee, regardless of the OSHA job classification.
  - 3. Final cleaning operations: Workers shall wear half-face air-purifying respirators.
- 3. Protective Clothing: Workers shall wear full body protection suits when working in regulated area. Provide workers with sufficient sets of full body protective clothing. Such clothing shall consist of full body coveralls and headgear or equivalent sets. Provide eye protection, hard hats, and footwear as required by applicable safety regulations. The asbestos abatement contractor will provide at least four (4) sets of full body clothing per day per inside worker and at least three (3) sets for each outside worker, air monitoring technician, and supervisor. If the asbestos abatement contractor does not use disposable suits equipped with attached foot covering, elastic wrist, and elastic hoods attached these pieces must be provided and secured to each other with "duct" tape or equivalent. Wrist and neck opening must be taped.

Asbestos Abatement – Former Altheimer Vo-Tech School

#### 3.5 SUPERVISION

- A. All work, including the installation and operation of control systems, shall be supervised by a competent person who is capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure, who has the authority to take prompt corrective measures to eliminate them, who is specially trained in a training course which meets the criteria of EPA's Model Accreditation Plan for project supervisor and who has been certified by ADE&E as an Asbestos Abatement Project Supervisor.
- B. The asbestos abatement contractor's Supervisor prior to the start and following the completion of daily abatement activities shall inspect the work site to insure it is left clean and free of debris. These inspections shall be documented in the daily project log.

#### 3.6 REGULATED AREAS

- A. Post approved caution signs in accordance with OSHA regulation 29 CRF 1926.1101.
- B. All personnel entering the work area shall read and be familiar with posted regulations, respiratory protection requirements and emergency procedures. All personnel who enter the work area shall sign the visitor's log upon entry and exit of work area.

#### 3.7 NEGATIVE PRESSURE ENCLOSURES (NPE)

A. Snyder Environmental shall install NPE's in the work areas of the building complete with 3-stage Decontamination Units.

#### 3.8 DECONTAMINATION

- A. The asbestos abatement contractor shall establish a 3-stage decontamination unit connected to each regulated area for the decontamination of employees. Each worker and authorized visitor shall, each time he leaves the work area, remove gross contamination from clothing before leaving the work area, clean work clothing with a HEPA vacuum before its removed, then proceed through the decontamination unit.
- B. All equipment and surfaces of containers filled with asbestos-containing materials must be cleaned prior to removing them from the equipment area.
- C. Each worker and authorized visitor shall follow the decontamination procedures before entering or leaving the work area.
- D. Contaminated work footwear shall be stored in a secured area of the regulated area when not in use in the work area. Upon completion of asbestos abatement, dispose of footwear as contaminated waste or seal in disposal container to remain unopened until inside the next containment area. Place contaminated work suits in receptacles for disposal with other asbestoscontaminated materials.

Asbestos Abatement - Former Altheimer Vo-Tech School

E. Workers shall not eat, drink, smoke, chew gum, or tobacco within the regulated area.

#### 3.9 DISPOSAL PROCEDURES

- A. All waste from inside the regulated work area shall be disposed of as asbestos-containing waste. The waste shall be containerized in minimum of two (2) six mil bags, wrapped in two (2) layers of 6-mil poly or sealed, leak-tight, drum containers which have been labeled according to EPA, OSHA, and ADEE regulations.
- B. Disposal must occur at an authorized site in accordance with regulatory requirement of NESHAP and applicable State and Local guidelines and regulations. The authorized site for this project will be the Waste Management Two Pine Landfill, a Class I facility in North Little Rock, AR.
- C. Once bags or drums have been removed from the work area, they shall be loaded into a dumpster that is to be sealed with 6-mil poly after loading.
- D. The inside area of the dumpster shall be free of debris and lined with 6-mil polyethylene sheeting to prevent contamination from leaking or spilled containers. Floor sheeting shall be installed first and extend up the sidewalls. Wall sheeting shall be overlapped and taped into place.
- E. Personnel loading asbestos-containing waste shall be protected by disposable clothing including head, body, and foot protection and at a minimum, half-face air-purifying respirators equipped with HEPA filters.
- F. Any debris or residue observed on containers or surfaces outside of work area resulting from clean-up or disposal activities shall be immediately cleaned using a HEPA filtered vacuum and /or wet methods as appropriate.
- G. All waste manifests shall be provided in the Project Closeouts Documents.

#### 3.10 AIR MONITORING AND CLEARANCE TESTING

- A. The asbestos abatement contractor is responsible for providing personnel air samples with a minimum volume of 480 liters, using a 25mm cassette, set at 0.5 to 2.5 liters per minute. At least one STEL sample which is representative of 30-minute exposures associated with operations that are most likely to produce exposures above the excursion limit, shall be collected.
- B. The third-party licensed consultant will perform aggressive clearance air sampling at the completion of a successful visual inspection. Clearance results at or below 0.01 f/cc will result in a successful clearance and the containment will be removed and the project completed. Clearance results that exceed 0.01 f/cc will result in the re-cleaning of the containment and re-collection of clearance air samples.

#### END OF DOCUMENT

Project Design Prepared By:

Justin Dixon

Justin Dixon President Snyder Environmental & Construction LLC

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY ASBESTOS PROGRAM



# SNYDER ENVIRONMENTAL & CONSTRUCTION

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**



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

License Number: 000355-CCL-CT Expiration Date: September 30, 2025

#### License No. 0123520625

# ID #15105

# State of Arkansas Commercial Contractors Licensing Board

SNYDER ENVIRONMENTAL & CONSTRUCTION, LLC 7705 NORTHSHORE PLACE NORTH LITTLE ROCK, AR 72118

## This is to Certify That

SNYDER ENVIRONMENTAL & CONSTRUCTION, LLC

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:

#### SPECIALTY

Asbestos Demolition, Blasting Remediation Remodeling, Renovations, Restoration, Alterations Sheet Metal, Ducts, Ventilation

This contractor has an unlimited suggested bid limit.

| from   | June 14, 2024 | until | June 30, 2025   | when this Certificate expires.                         |
|--------|---------------|-------|-----------------|--|
|        |               |       | Witness our han | ds of the Board, dated at North Little Rock, Arkansas: |
| OR TH  | LE STATE OF   |       | Dyta            |  |
| LA SEA | ARA           |       | Denilla         | CHAIRMAN   |
|        |               | -     |                 | SECRETARY  |
|        |               |       |                 | June 14, 2024 - dsa                                    |

# ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY ASBESTOS PROGRAM



# **JUSTIN S. DIXON**

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**

| Contractor/Sup | 05/31/2025 |
|----------------|------------|
| Inspector      | 05/31/2025 |
| Proj Designer  | 05/31/2025 |



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

**Certification Number: 013021** 

# United States Department of Commerce National Institute of Standards and Technology



# Certificate of Accreditation to ISO/IEC 17025:2017

# NVLAP LAB CODE: 600120-0

# **Eurofins J3 Resources**

Pasadena, 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 dated January 2009).

2024-04-01 through 2025-03-31

Effective Dates



For the National Voluntary Laboratory Accreditation Program



#### AIHA Laboratory Accreditation Programs, LLC acknowledges that Eurofins J3 Resources 3113 Red Bluff Rd Pasadena, TX 77503-2611 Laboratory ID: LAP-157714

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

| $\checkmark$ | INDUSTRIAL HYGIENE         | Accreditation Expires: December 01, 2024 |
|--------------|----------------------------|--|
| $\checkmark$ | ENVIRONMENTAL LEAD         | Accreditation Expires: December 01, 2024 |
| $\checkmark$ | ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: December 01, 2024 |
|              | 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.

Keryl J. Marton

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

Date Issued: 01/05/2023

Revision21: 10/24/2023



# AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

# **Eurofins J3 Resources**

Laboratory ID: LAP-157714

Issue Date: 05/21/2024

Expire Date: 12/01/2024

3113 Red Bluff Rd Pasadena, TX 77503-2611

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: 03/01/2008

| IHLAP Scope Category              | Field of Testing (FOT)              | Technology sub-<br>type/Detector | Published Reference<br>Method/Title of<br>In-house Method | Component, parameter,<br>characteristic, material,<br>or product tested |
|-----------------------------------|-------------------------------------|----------------------------------|---|---|
| Asbestos/Fiber<br>Microscopy Core | Phase Contrast<br>Microscopy (PCM)  | -                                | NIOSH 7400  | Asbestos/Fibers   |
| Asbestos/Fiber<br>Microscopy Core | Polarized Light<br>Microscopy (PLM) | -                                | EPA 600/M4-82-020   | Asbestos & Other<br>Fibers in Bulk                                      |
| Asbestos/Fiber<br>Microscopy Core | Polarized Light<br>Microscopy (PLM) | -                                | EPA 600/R-93/116  | Asbestos & Other<br>Fibers in Bulk                                      |
| Chromatography Core               | Gas Chromatography                  | Diffusive Sampler                | AT566 Modified  | VOCs in Air by<br>Diffusive Sampler                                     |
| Chromatography Core               | Gas Chromatography                  | Diffusive Sampler                | SKC 575-002 Modified                                      | VOCs in Air by<br>Diffusive Sampler                                     |
| Chromatography Core               | Gas Chromatography                  | GC/ECD                           | EPA SW-846 8082A  | PCB's in soil, bulk,<br>water, sludge,<br>leachate, wipe, and oil       |
| Chromatography Core               | Gas Chromatography                  | GC/FID                           | NIOSH 1003 Modified                                       | VOC in air  |
| Chromatography Core               | Gas Chromatography                  | GC/FID                           | NIOSH 1501 Modified                                       | VOC in air  |
| Chromatography Core               | Ion Chromatography (IC)             | -                                | NIOSH 7605 Modified                                       | Hexavalent Chromium<br>in air, bulk, and wipes                          |
| Chromatography Core               | Ion Chromatography (IC)             | -                                | OSHA ID-215 Modified                                      | Hexavalent Chromium<br>in air, bulk, and wipes                          |
| Miscellaneous Core                | Gravimetric                         | -                                | NIOSH 0500  | Total Dust  |
| Miscellaneous Core                | Gravimetric                         | -                                | NIOSH 0600  | Respirable Dust   |
| Miscellaneous Core                | Gravimetric                         | -                                | NIOSH 5000  | Carbon Black  |
| Spectrometry Core                 | Atomic Absorption                   | FAA                              | EPA SW-846<br>3050B Modified                              | Metals  |
| Spectrometry Core                 | Atomic Absorption                   | FAA                              | EPA SW-846<br>7000B Modified                              | Metals  |
| Spectrometry Core                 | Atomic Absorption                   | FAA                              | NIOSH 7082 Modified                                       | Metals  |

Effective: 10/24/2023 Revision: 10 Page 1 of 2



| IHLAP Scope Category | Field of Testing (FOT)         | Technology sub-<br>type/Detector | Published Reference<br>Method/Title of<br>In-house Method | Component, parameter,<br>characteristic, material,<br>or product tested |
|----------------------|--------------------------------|----------------------------------|---|---|
| Spectrometry Core    | Atomic Absorption              | FAA                              | OSHA ID-121 Modified                                      | Metals  |
| Spectrometry Core    | Inductively-<br>Coupled Plasma | ICP/MS                           | EPA 200.8   | Metals  |
| Spectrometry Core    | Inductively-<br>Coupled Plasma | ICP/MS                           | EPA SW-846<br>6020B Modified                              | Metals in air, paint,<br>soil, and wipes                                |
| Spectrometry Core    | Inductively-<br>Coupled Plasma | ICP/MS                           | NIOSH 7303 Modified                                       | Metals in Air   |
| Spectrometry Core    | Inductively-<br>Coupled Plasma | ICP/MS                           | NIOSH 9102 Modified                                       | Metals in air, paint,<br>soil, and wipes                                |
| Spectrometry Core    | Inductively-<br>Coupled Plasma | ICP/MS                           | OSHA ID-121 Modified                                      | Metals  |
| Spectrometry Core    | Inductively-<br>Coupled Plasma | ICP/MS                           | OSHA ID-125G Modified                                     | Metals in air, paint,<br>soil, and wipes                                |
| Spectrometry Core    | X-ray Diffraction (XRD)        | -                                | NIOSH 7500 Modified                                       | Silica  |
| Spectrometry Core    | X-ray Diffraction (XRD)        | -                                | OSHA ID-142 Modified                                      | Silica  |

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



# AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

## **Eurofins J3 Resources**

Laboratory ID: LAP-157714

Issue Date: 03/03/2023

Expire Date: 12/01/2024

3113 Red Bluff Rd Pasadena, TX 77503-2611

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.

The EPA recognizes the AIHA LAP, LLC ELLAP program as meeting the requirements of the National Lead Laboratory Accreditation Program (NLLAP) established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint, soil and dust wipe analysis. Air and composited wipes analyses are not included as part of the NLLAP.

#### **Environmental Lead Laboratory Accreditation Program (ELLAP)**

#### Initial Accreditation Date: 08/01/2014

| Component, parameter,<br>characteristic, material,<br>or product tested | Technology sub-type/Detector | Method                    | Method Description<br>(for internal methods only) |
|---|------------------------------|---------------------------|---|
| Airborne Dust   | AA                           | NIOSH 7082 Modified       | N/A   |
| Composited Wipes  | A A                          | EPA SW 846 7000B Modified | N/A   |
|   | AA                           | EPA SW-846 3050B Modified | N/A   |
| Paint   | AA                           | EPA SW 846 7000B Modified | N/A   |
|   |                              | EPA SW-846 3050B Modified | N/A   |
| Settled Dust by Wipe  | A A                          | EPA SW 846 7000B Modified | N/A   |
|   | AA                           | EPA SW-846 3050B Modified | N/A   |
| Soil  | AA                           | EPA SW 846 7000B Modified | N/A   |
|   |                              | EPA SW-846 3050B Modified | N/A   |

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



# AIHA Laboratory Accreditation Programs, LLC SCOPE OF ACCREDITATION

# **Eurofins J3 Resources**

Laboratory ID: LAP-157714

Issue Date: 07/19/2024

Expire Date: 12/01/2024

3113 Red Bluff Rd Pasadena, TX 77503-2611

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)

| EMLAP Scope Category | Field of Testing (FOT)          | Component, parameter,<br>characteristic, material,<br>or product tested | Method       | Method Description<br>(for internal methods only)  |
|----------------------|---------------------------------|---|--------------|--|
| Bacterial            | Legionella                      | Water   | EM-BT-S-8478 | Detection of Legionella<br>pneumophila in<br>water samples using<br>IDEXX Legiolert  |
| Bacterial            | Legionella                      | Water, Swabs  | EM-BT-S-1045 | Detection and<br>Enumeration of Legionella<br>bacteria (based on<br>ISO 11731 Method)  |
| Bacterial            | Legionella                      | Water, Swabs  | EM-BT-S-1687 | Detection and<br>Enumeration of<br>Legionella bacteria<br>(based on CDC method)  |
| Fungal               | Air - Direct Examination        | Spore Trap  | EM-MY-S-1038 | Preparation and Analysis<br>of Spore Trap (Air)<br>Samples for Fungal Spores,<br>Other Biological and<br>Non-Biological Particles      |
| Fungal               | Bulk - Direct Examination       | Bulk  | EM-MY-S-1039 | Preparation and Analysis<br>of Tape, Swab, Wipe, Bulk<br>and Dust - Soil Samples<br>for Qualitative Direct<br>Microscopic Examination  |
| Fungal               | Bulk - Direct Examination       | Bulk  | EM-MY-S-1041 | Preparation and Analysis<br>of Tape, Swab, Wipe, Bulk<br>and Dust - Soil Samples<br>for Quantitative Direct<br>Microscopic Examination |
| Fungal               | Surface - Direct<br>Examination | Surface   | EM-MY-S-1039 | Preparation and Analysis<br>of Tape, Swab, Wipe, Bulk<br>and Dust - Soil Samples<br>for Quantitative Direct<br>Microscopic Examination |

Initial Accreditation Date: 12/01/2009



| EMLAP Scope Category | Field of Testing (FOT)          | Component, parameter,<br>characteristic, material,<br>or product tested | Method       | Method Description<br>(for internal methods only)  |
|----------------------|---------------------------------|---|--------------|--|
| Fungal               | Surface - Direct<br>Examination | Surface   | EM-MY-S-1041 | Preparation and Analysis<br>of Tape, Swab, Wipe, Bulk<br>and Dust - Soil Samples<br>for Quantitative Direct<br>Microscopic Examination |

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