

TARGETED BROWNFIELDS ASSESSMENT

Phase II Environmental Site Assessment Luxora Elementary School 406 Washington Avenue Luxora, Arkansas 72358

Prepared for:



**U.S. Army Corps of Engineers
New Orleans District
7400 Leake Avenue
New Orleans, Louisiana 70118**



**U.S. Environmental Protection Agency
Region 6
1201 Elm Street, Suite 500
Dallas, Texas 75270-2101**

Prepared by:



**Environmental Science Services, Inc.
145 Del Orleans Avenue, Suite B
Denham Springs, Louisiana 70726**

September 9, 2024

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New Orleans District
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U.S. Environmental Protection Agency Region 6
1201 Elm Street, Suite 500
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Prepared by:

A handwritten signature in black ink, appearing to read "William J Grant", with a stylized flourish at the end.

William J Grant
Senior Environmental Scientist

September 9, 2024

EXECUTIVE SUMMARY

On behalf of U.S. Army Corps of Engineers – New Orleans District (USACE), Environmental Science Services, Inc. (Es2) has completed a Phase II Environmental Site Assessment (ESA) at the Luxora Elementary School at 406 Washington Street, Luxora, Mississippi County, Arkansas (Subject Property). This Phase II ESA was provided through the U.S. Environmental Protection Agency's (EPA's) Targeted Brownfields Assessment (TBA) program.

A Phase I ESA conducted at the Subject Property in April 2024 identified potential asbestos-containing materials (ACM) and lead-based paint (LBP) may be present at the property. This Phase II ESA was tasked to the USACE by the EPA Region 6 in response to an application from the Luxora City Council for additional inspections to determine whether ACM and LBP are present in the three buildings located at the Subject Property. The USACE contracted Es2 to conduct a Phase II ESA to evaluate current site conditions prior to reuse and redevelopment of the site. Es2 retained Altec Environmental Consulting (Altec) to conduct ACM and LBP inspections at the Subject Property.

ACM is present at the Subject Property in the 13,950-square foot classroom building (Building #7380 also referred to as Building B). The following ACM were identified: white 12x12 floor tile and associated black mastic, sheetrock joint compound, teal transite panels, and mudded pipe elbows. The floor tile, joint compound, and transite panels are considered Category I and Category II non-friable ACM in their current condition and state. The pipe elbows are considered friable ACM. All ACM identified at the Subject Property was noted to be in fair to good condition at the time of the inspection.

It is recommended that an Asbestos Operations and Management Plan be developed for Building B. This plan should incorporate the necessary actions and alternatives for management in-place of the ACM and procedures to follow if damage occurs to, or disturbance of the ACM is required during other building maintenance activities. If the re-use plan for the building involves removal, replacement, or disturbance of any of the ACM materials, then they should be removed by a licensed abatement contractor prior to building renovations.

Results of the LBP survey indicate that LBP is not present in painted components associated with the property. Although not considered regulated LBP, the presence of lead paint below regulatory levels was identified on painted components. These painted components, if disturbed, may create a lead dust hazard or exposure issue for workers. Appropriate precautions should be taken when disturbing painted surfaces and worker safety regulations may apply.

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1.0 INTRODUCTION

1.1 Purpose

On behalf of U.S. Army Corps of Engineers – New Orleans District (USACE), Environmental Science Services, Inc. (Es2) has completed a Phase II Environmental Site Assessment (ESA) at the Luxora Elementary School at 406 Washington Street, Luxora, Mississippi County, Arkansas (Subject Property). This Phase II ESA was provided through the U.S. Environmental Protection Agency's (EPA's) Targeted Brownfields Assessment (TBA) program.

A Phase I ESA conducted at the Subject Property in April 2024 identified potential asbestos containing materials (ACM) and lead-based paint (LBP) may be present at the property. This Phase II ESA was tasked to the USACE by the EPA Region 6 in response to an application from the Luxora City Council for additional inspections to determine whether ACM and LBP are present in the three buildings located at the Subject Property. The USACE contracted Es2 to conduct a Phase II ESA to evaluate current site conditions prior to reuse and redevelopment of the site. Es2 retained Altec Environmental Consulting (Altec) to conduct ACM and LBP inspections at the Subject Property.

Funding for this project was provided by the TBA program. EPA's Brownfields program empowers states, communities, and other stakeholders to work together to assess, clean up, and sustainably reuse Brownfields. A Brownfield is a property, expansion, redevelopment, or reuse of a property which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. The TBA program provides communities with environmental services such as environmental site assessments or investigations, and cleanup planning needed for revitalization projects at no cost to the stakeholders.

The purpose of this Phase II ESA was to determine the presence and quantity of ACM and LBP potentially present in the three classroom buildings present on-site. Altec conducted ACM and LBP inspections and sampling in accordance with an EPA-approved Sampling and Analysis Plan/Quality Assurance Project Plan (SAP/QAPP) dated June 2024 and the site-specific Site Safety and Health Plan (SSHP).

1.2 Special Terms and Conditions

A TBA is a study conducted by the EPA to investigate environmental concerns and/or non-scope considerations associated with underutilized properties. TBAs are available to public, quasi-public or non-profit entities such as municipalities, tribal governments, and community development organizations interested in redeveloping abandoned or underutilized properties. To qualify for an assessment, there must be a potential release of hazardous substances at the site, and the entity must have redevelopment plans for the site once the assessment is complete. Redevelopment can involve the creation of commercial, industrial, recreational or conservation uses.

1.3 Limiting Conditions and Methodology Used

Es2 has conducted this Phase II ESA in accordance with applicable portions of ASTM E1903-19 *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process* and federal and state of Arkansas regulations pertaining to asbestos and lead to identify and quantify ACM and LBP at the site. The opinions expressed by Es2 and Altec with reference to the Subject Property pertain to the conditions existing at the time in which the site reconnaissance was conducted.

2.0 BACKGROUND

2.1 Site Description and Features

The Subject Property is located near the downtown area of the City of Luxora, Arkansas (Figures 1 and 2, Appendix A). The Subject Property contains three separate former school buildings connected by covered walkways and sidewalks. A playground, maintained grass lawn areas, and parking lots are present adjacent to the buildings. A cellular phone tower is located inset along the eastern boundary fronting Maple Street on a leased portion of the Subject Property. Access to all three buildings is from Washington Avenue.

2.2 Physical Setting

According to the April 2024 Phase I ESA, the Subject Property is a 1.95-acre former elementary school consisting of three one-story buildings located at 406 Washington Steet in Luxora, Mississippi County, Arkansas (Figures 1 and 2). Approximate coordinates are 35.75691298 N, -89.9315496 W. The Subject Property is bounded to the north by Washington Avenue, to the south by West Calhoun Street, to the east by Maple Street, and to the west by playgrounds and sports fields.

An 8,588-square foot cafeteria and classroom building (Building #7381, Building A) is present on the central portion of the property. A 13,950-square foot classroom building (Building #7380, Building B) is present along the western boundary of the property. A 2,080-square foot fine arts building (Building #7383, Building C) with an auditorium and stage is located along the eastern portion of the property (Figure 3). Land uses in the vicinity are commercial and residential.

3.0 PHASE II ACTIVITIES

A SAP/QAPP was prepared for this site and was approved by EPA Region 6 in June 2024. This Phase II ESA was executed in accordance with the approved SAP/QAPP, ASTM E1903-19, ASTM E2356-14 *Standard Practice For Comprehensive Building Asbestos Surveys*, U.S. Housing and Urban Development (HUD), EPA, and Arkansas Division of Environmental Quality (ADEQ) regulations pertaining to asbestos, Arkansas Department of Health (ADH) regulations pertaining to lead, and best engineering practices. All field work was conducted in accordance with a site-specific SSHP.

3.1 Asbestos Inspection and Sampling

Asbestos samples were collected by ADEQ certified asbestos inspectors Adam Callender (Certification No. 017814) and Edward Myers (Certification No. 018721) of Altec Environmental Consulting (Altec) on August 5, 2024. Asbestos samples were collected in accordance with the Asbestos Hazard Emergency Response Act (AHERA) (40 Code of Federal Regulations [CFR] 763, Subpart E), applicable portions of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61, Subpart M), ASTM Standard E2356-14, and state of Arkansas regulations. The number of samples collected depended on the sizes of the various homogeneous areas present at each building. A total of 32 samples representing 12 homogenous areas were collected and submitted to EMSL Analytical Laboratories (EMSL) for analysis of bulk asbestos using the polarized light microscopy (PLM) method (EPA method 600/R-93-

116). Multiple samples were broken into layers by the laboratory; therefore, a total of 49 analyses were completed.

Samples for ACM focused on the identification of (1) surfacing materials, (2) thermal system insulation (TSI) and (3) miscellaneous materials. Once these materials were located, homogenous sampling areas (uniform by color, texture, construction/application date and general appearance) were delineated, and the suspect materials were sampled and analyzed in accordance with AHERA and ADEQ asbestos regulations. A minimum of three samples were collected from homogeneous areas of surfacing materials less than 1,000 square-feet in size. A minimum of five samples were collected from homogeneous areas of surfacing materials greater than 1,000 square-feet but less than 5,000 square-feet. A minimum of seven samples were collected from homogeneous areas of surfacing materials greater than 5,000 square-feet in size. A minimum of three random samples were collected from homogenous areas of TSI with the following exceptions: one sample was collected from patched TSI if it was less than six linear or square feet, and one sample was collected from mudded joints and fittings. Only one representative sample was collected from most miscellaneous materials, unless the amount and/or condition of the miscellaneous materials present warranted collecting more than one sample.

Bulk asbestos samples were collected by removing a small piece of suspected ACM from the subject site using a razor knife or chisel under wet conditions. ACM samples were individually placed into new, single use plastic bags labeled with a unique identifying number. This number was recorded along with identifying remarks in the field logbook/forms and on the chain-of-custody form sent to the laboratory for analysis. Analytical sampling was performed in accordance with EPA 40 CFR Part 763, Appendix E, ADEQ asbestos regulations, and laboratory-specific requirements. Latex/nitrile gloves were worn during sample collection. Decontamination of non-disposable sample equipment and tools was performed to prevent the introduction of off-site contaminants into sampling points, to prevent cross contamination of sampling points, and to prevent the removal of contaminants from the site. Samples were delivered to EMSL in Cinnaaminson, New Jersey (NVLAP Code 101048-0) for bulk asbestos analysis by polarized light microscopy (PLM) EPA method 600/R93/116 analysis.

A full report detailing methodology, field notes, and sample location maps is included in Appendix B.

3.2 Lead Paint Inspection

Painted surfaces were analyzed for lead content by ADH accredited lead inspector Adam Callender (Certification No. 000381) of Altec, on August 6 and 7, 2024, in accordance with HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* (HUD-006700), EPA's Hazard Standards for Lead, Dust and Soil, and ADH regulations. The LBP inspection included the identification of testing combinations (unique combination of room equivalent, building component type, and substrate) present at the site. Once the testing combinations were identified, they were evaluated using a RMD LPA-1 Model X-Ray Fluorescence Analyzer (XRF), Serial Number 1955, portable lead paint analyzer. The RMD LPA-1 portable XRF is a direct reading instrument therefore no substrate correction is required. Pre and post calibration readings were taken per guidance and lead paint was identified as paint with lead above the regulatory limit equal to or in excess of 1.0 milligrams per centimeter squared (mg/cm²). The Subject Property was evaluated with a total of 372 XRF readings, 21 of which were calibration readings, and 351 were surfaces within the Subject Property.

Per the HUD guidelines, paint chip samples were to be collected and analyzed in three instances: 1) inaccessible area that cannot be tested using an XRF, 2) a building component has an irregular (non-flat) surface that cannot be tested using an XRF, and 3) the XRF renders an inconclusive reading. No paint chip samples were required for this inspection.

Refer to Appendix B for the full report detailing methodology, results, testing materials, and testing combination for each component.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 Asbestos Containing Materials

Asbestos greater than one percent (>1%) was identified in building materials tested in the 13,950-square foot classroom building (Building #7380, Building B). A summary of ACM found at the Subject Property is presented below.

Material Description	Location	% Asbestos	Condition	Estimated Quantity
White 12x12 Floor Tile with Black Mastic	Building B / #7380 Throughout building, hallways and classrooms	2% to 4% Chrysotile	Fair - Good	12,800 ft ²
Sheetrock Joint Compound	Building B / #7380 Interior hallway walls	2% Chrysotile	Fair - Good	900 ft ²
Teal Transite Panels	Building B / #7380 Under exterior windows throughout	15% - 20% Chrysotile	Good	1,600 ft ²
White Mudded Pipe Elbows	Building B / #7380 Pipe fittings in boiler room	30% - 40% Chrysotile	Fair	Approx. 13 fittings*
Total ACM for Buildings	12,800 ft ² Flooring and Mastic 900 ft ² Sheetrock Joint Compound 1,600 ft ² Transite Panels 13 Mudded Pipe Elbows			

* Additional fittings may be present in pipe chases and wall cavities

Asbestos analytical results, diagrams detailing confirmed ACM locations, and photographs of confirmed ACM are available in Appendix B.

4.2 Lead Based Paint

Lead was not detected above the regulatory limit equal to or in excess of 1.0 mg/cm² in any of the readings by XRF. Although not considered regulated LBP, the presence of lead paint below regulatory levels was identified on painted components throughout the Subject Property.

A spreadsheet detailing XRF field readings, representative photographs, and building diagrams are included in Appendix B.

5.0 DISCUSSION OF FINDINGS

5.1 Asbestos

ACM is present at the Subject Property in the 13,950-square foot classroom building (Figure 3, Building #7380, also referred to as Building B). The white 12x12 floor tile and associated mastic, sheetrock joint compound and the transite panels are considered Category I and Category II Non-Friable ACM in their current condition and state. The mudded pipe elbows identified in the boiler room are considered friable ACM. All ACM identified at the Subject Property was noted to be in fair to good condition at the time of the inspection.

There are three options with respect to ACM located on the property: (1) management in place, (2) removal, or (3) a combination of management in place and removal. It is recommended that prior to reoccupation of Building B that an Asbestos Operations and Maintenance Plan be developed by an Arkansas Certified Asbestos Management Planner. An abatement design should be developed prior to renovations and/or demolition of Building B. Should renovations and/or demolition be performed, then a licensed asbestos abatement contractor should be used to properly remove the asbestos before the renovations and/or demolition. For compliance with the EPA's NESHAP Standard, a notification of building material removal should be submitted to ADEQ at least 10 working days prior to commencement of any work activities. All friable asbestos removal over the NESHAP threshold will require an approved asbestos project design, asbestos project checklist, and a 10-day notification process prior to abatement activities.

Depending upon the planned reuse activities selected, the intact ACM floor tile, sheetrock joint compound, transite panels, and the intact mudded pipe elbows present in the 13,950-square foot classroom building may be managed in place.

Abatement (removal and disposal) costs vary considerably, depending on the management options employed for each ACM component and the planned use of the building (i.e., renovation or demolition). The following costs are estimated in association with subsequent asbestos management options for the site:

- Asbestos Operations and Maintenance Plan \$ 2,000.00

The following estimated costs are associated with the abatement of the asbestos from the buildings:

- Asbestos Project Design \$ 2,500.00
- Complete abatement and removal of ACM:
 - o ~ 12,800 ft² of flooring and mastic \$64,000.00
 - o ~ 900 ft² of sheetrock with ACM joint compound \$ 4,500.00
 - o ~ 1,600 ft² transite panels \$ 2,400.00
 - o ~ 13 mudded pipe fittings \$ 1,300.00

The above costs are based upon general, per-unit, abatement costs for sampled materials only. Costs do not include replacement of removed materials, mobilization fees, third-party daily air monitoring or third-party final clearance. The projected cost of air monitoring and clearance are as follows:

- | | |
|---------------------------------|----------------------|
| • Daily PCM Area Air Monitoring | \$1,200.00/day |
| • PCM Air Clearance | \$1,600.00/work area |

5.2 Lead-Based Paint

Regulated LBP was not identified in painted components associated with the property. Although not considered regulated LBP, many tested areas contain levels of lead below regulatory levels. These painted components, if disturbed, may create a lead dust hazard or exposure issue for workers. Appropriate precautions should be taken when disturbing any painted surfaces and worker safety regulations stipulated in the Occupational Safety and Health Administration's (OSHA's) 29 Code of Federal Regulations (CFR) 1926 may apply.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Es2 and Altec have completed a Phase II ESA at the Luxora Elementary School at 406 Washington Street, Luxora, Mississippi County, Arkansas in conformance with the scope and limitations of ASTM Practice E 1903-19 and Arkansas regulations pertaining to asbestos and lead to identify and quantify potential ACM and/or LBP located at the property. The objectives of the Phase II ESA have been met.

It is recommended that an Asbestos Operations and Management Plan be developed for Building B. This plan should incorporate the necessary actions and alternatives for management in-place of the ACM and procedures to follow if damage occurs to, or disturbance of the ACM is required during other building maintenance activities. If the reuse plan for the building involves removal, replacement, or disturbance of any of the ACM materials, then they should be removed by a licensed abatement contractor prior to building renovations.

Regulated LBP was not identified in painted components associated with the property. Although not considered regulated LBP, the presence of lead paint below regulatory levels was identified on painted components throughout the Subject Property. These painted components, if disturbed, may create a lead dust hazard or exposure issue for workers. Appropriate precautions should be taken when disturbing these painted surfaces and worker safety regulations may apply.

APPENDIX A

SITE MAPS

Figure 1 Site Location Map

Figure 2 Site Vicinity Map

Figure 3 Site Diagram

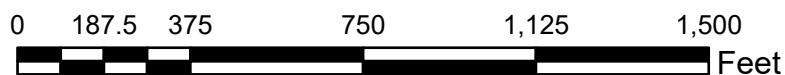
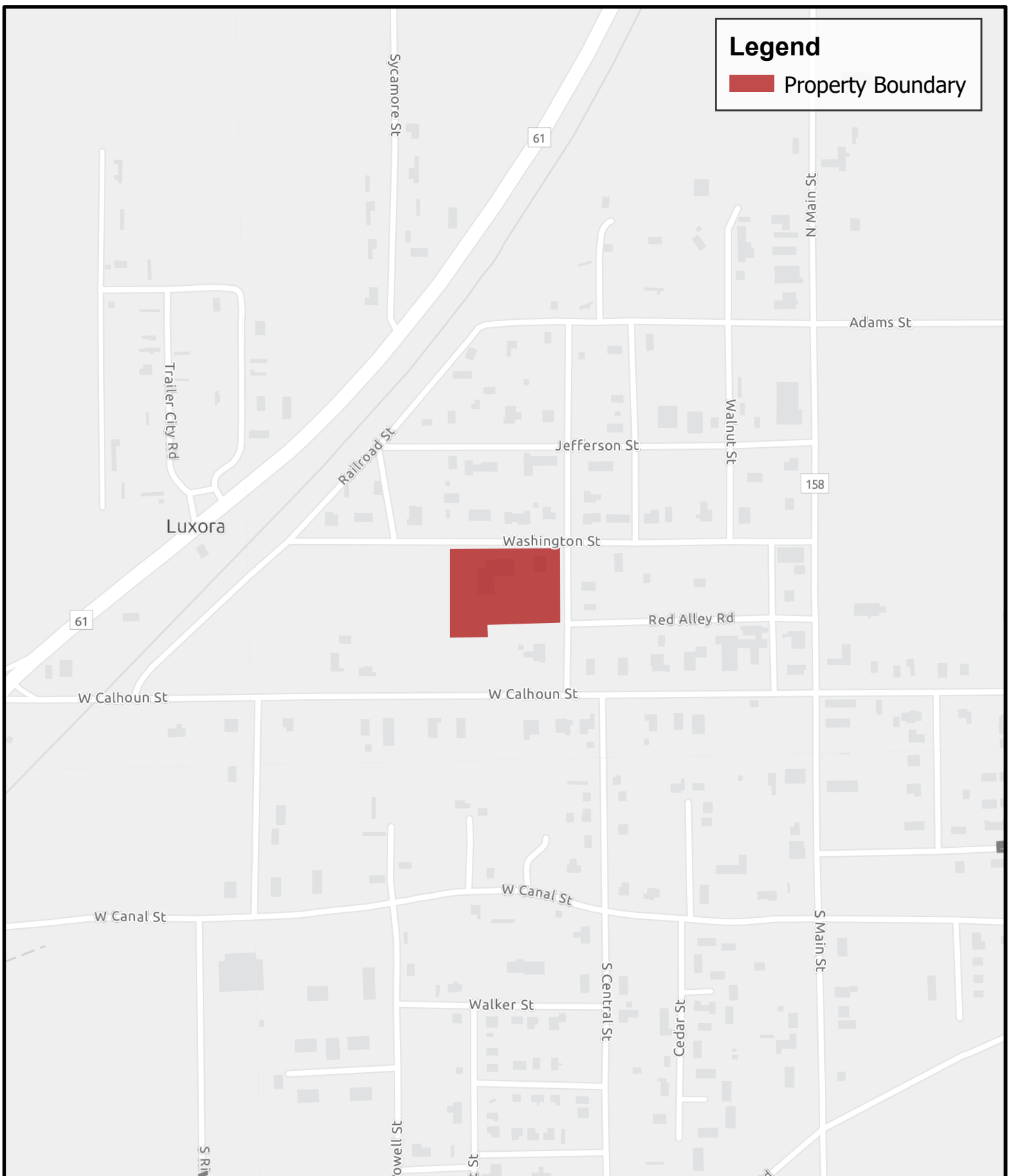
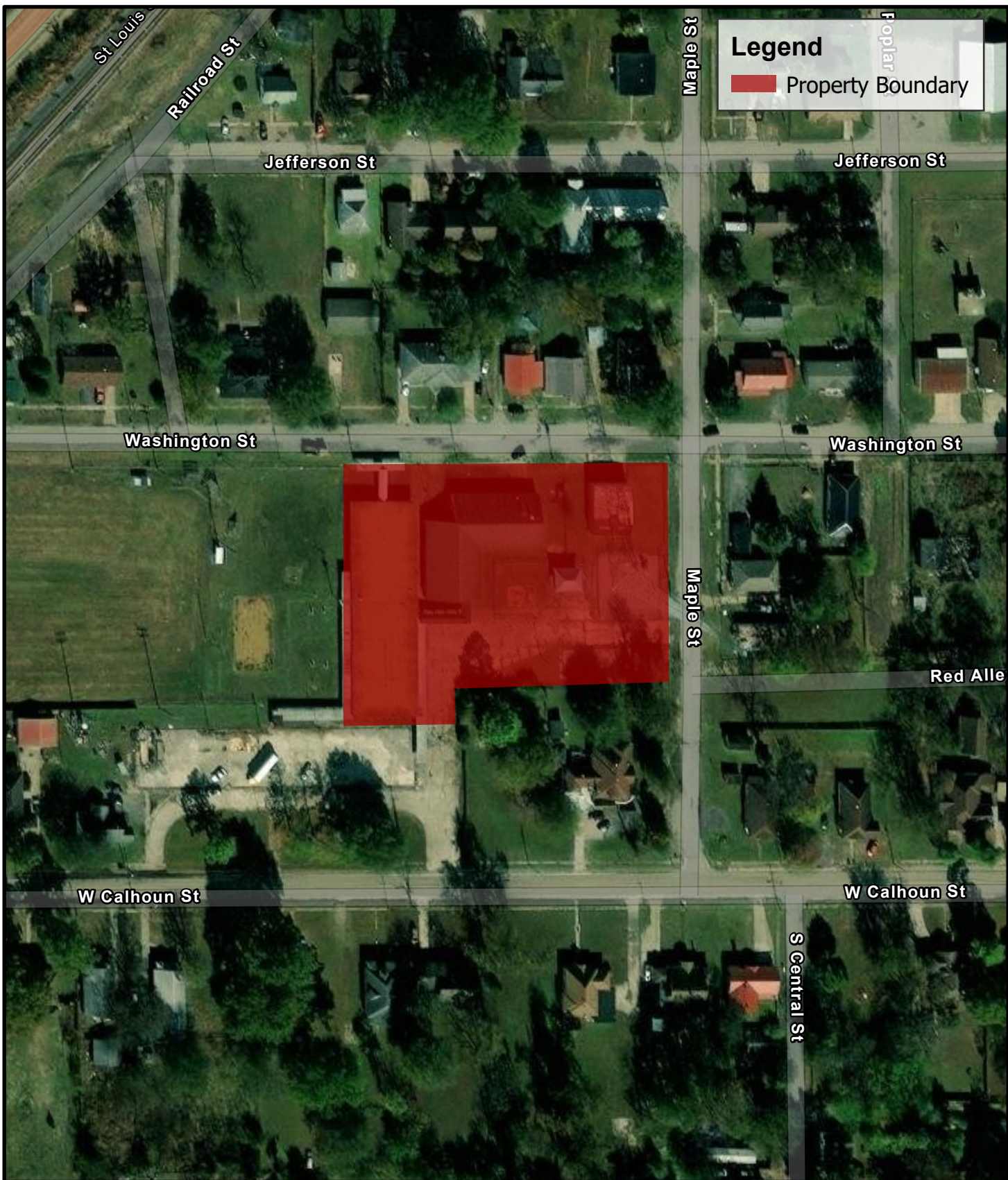


Figure 1: Site Location Map
406 Washington Avenue
Luxora, AR 72358

USACE



Environmental Science Services, Inc.
 145 Del Orleans Avenue, Suite B
 Denham Springs, Louisiana 70726
 (225) 927-7171



0 62.5 125 250 375 500 Feet

Figure 2: Site Location Map
406 Washington Avenue
Luxora, AR 72358

USACE



Environmental Science Services, Inc.
 145 Del Orleans Avenue, Suite B
 Denham Springs, Louisiana 70726
 (225) 927-7171

SOUTH MISSISSIPPI COUNTY SCHOOL DISTRICT
LEA #4706
LUXORA CAMPUS
INSPECTED 06/29/2010
CINDY CRAYNE, ACT
REVIEWED 08/14/13
JAN BROCK, ACT

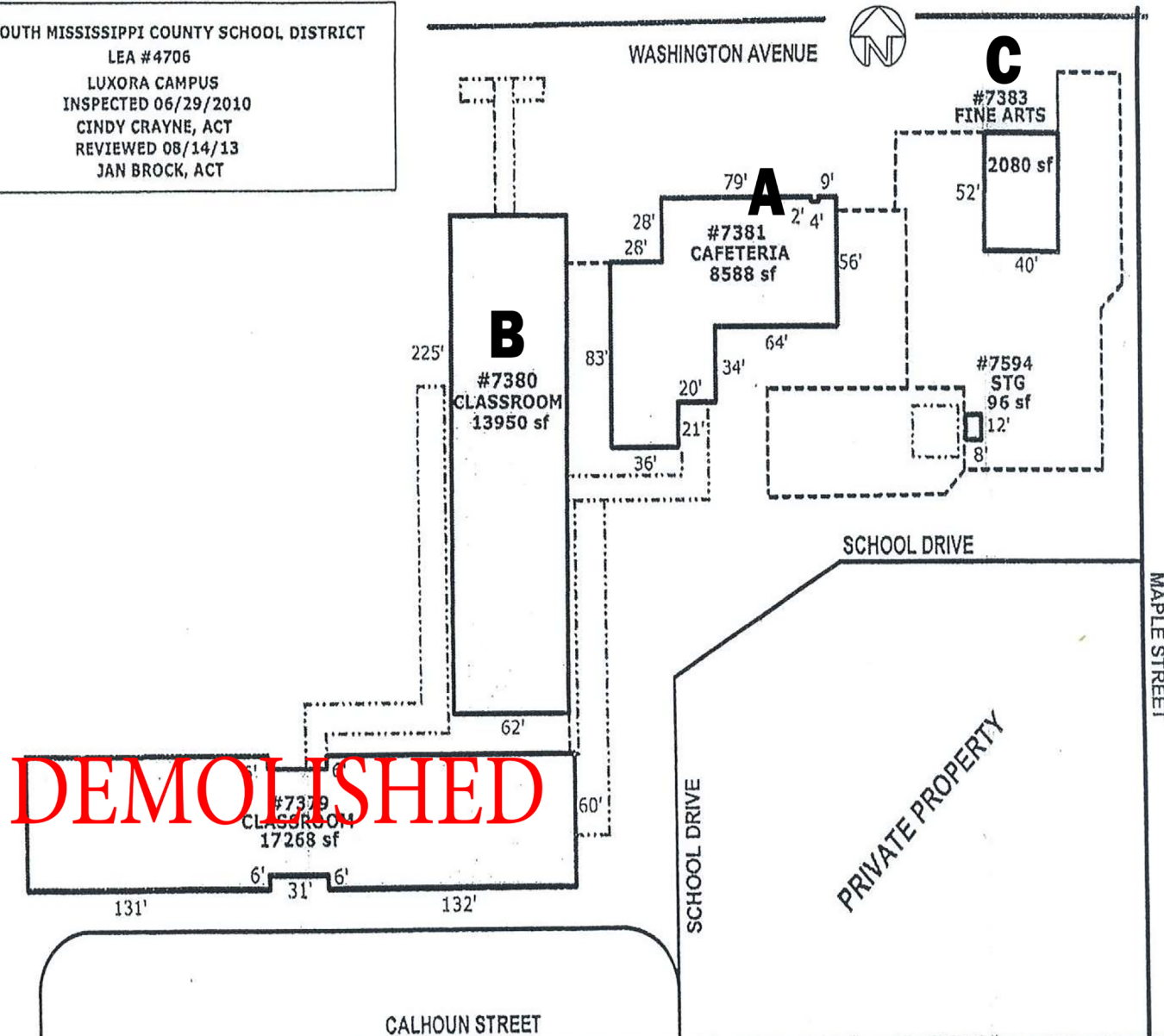


Figure 3: Site Diagram
406 Washington Avenue
Luxora, AR 72358

USACE



Environmental Science Services, Inc.
145 Del Orleans Avenue, Suite B
Denham Springs, Louisiana 70726
(225) 927-7171

APPENDIX B

ASBESTOS and LEAD DATA

Altec Asbestos and Lead Inspection Report

REPORT OF ENVIRONMENTAL ASSESSMENT

**Luxora Elementary School
122 W. Calhoun Street
Luxora, Arkansas**

August 5-7, 2024

FOR

Environmental Science, Inc.

BY



***1111A Hawn Avenue
Shreveport, Louisiana 71107
(318) 687-3771***

Asbestos Assessment & Lead Risk Assessment



**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN STREET
LUXORA, ARKANSAS
AUGUST 5, 2024**

Report of Environmental Assessment

ALTEC Environmental Consulting, LLC was contracted by Environmental Science Inc. to provide an environmental assessment of Luxora Elementary School located at 122 W. Calhoun Street in Luxora, Arkansas. The following sections give a narrative of each phase of the project:

1. Limited Asbestos Assessment
2. Limited Lead-Based Paint Inspection

LIMITED ASBESTOS ASSESSMENT

A limited inspection of Luxora Elementary School located at 122 W. Calhoun Street in Luxora, Arkansas, was conducted by ALTEC Environmental Consulting, LLC on August 5, 2024, to identify asbestos-containing materials. Samples suspect materials were collected from throughout the facility. The samples were analyzed using the Polarized Light Microscopy method by EMSL Analytical in Cinnaminson, New Jersey.

ASBESTOS HISTORY AND HEALTH EFFECTS

Use of asbestos began during the Industrial Revolution and remains in use today. Asbestos products are still widely used. Two thirds of asbestos used is in asbestos cement products. Asbestos fibers have a high tensile strength and thermal stability. It is also non-combustible, a good noise absorber and thermal insulator.

The unique physical properties of asbestos are the same reasons it is so hazardous to human health. Once asbestos fibers become lodged in the lungs, they will not be expelled. In addition to several types of cancer, asbestos can cause severe irreversible damage to the lungs. The type and severity of health effects are dependent on the length and type of asbestos exposure.

Three types of asbestos-related diseases are most prominent. Asbestosis is a progressive, irreversible scarring of the lung tissue. Lung cancer is the most serious health risk to asbestos workers and is enhanced by smoking. Mesothelioma is cancer of the chest lining and the membrane of the abdominal cavity. It is extremely rare.

REGULATIONS

In October, 1986, the U.S. Environmental Protection Agency (EPA) at the direction of the U.S. Congress implemented the Asbestos Hazard Emergency Response Act (AHERA), outlined in the Code of Federal Regulations 40 CFR Part 763.88, October 30, 1987 (Ref 1), amended by 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision, Final Rule, November 20, 1990 (Ref 3). This act provides minimal standards that must be followed with respect to asbestos in schools.

Under the Clean Air Act, the EPA instituted a set of guidelines known as National Emission Standards for Hazardous Air Pollutants (NESHAP) concerning the “manufacturing, spraying and fabricating of ACM.” The asbestos NESHAP regulation covers asbestos demolition and renovation projects in all facilities.

DEFINITIONS

The EPA, as a part of NESHAP, has established the following definitions:

1. Category I non-friable asbestos-containing material (ACM) - This includes asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos.
2. Category II non-friable ACM - This includes any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos that, when dry, cannot be crumbled, pulverized or reduced to powder by normal hand pressure.
3. Friable asbestos material - This includes any material containing more than 1 percent asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
4. Regulated asbestos-containing material (RACM) - This includes friable asbestos material, Category I non-friable ACM that has become friable, Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, and Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.
5. Cutting - To penetrate with a sharp-edged instrument and includes sawing, but does not include shearing, slicing, or punching.
6. Demolition - The wrecking or taking out of any load-supporting structural member of a facility together with any related handling operations or the intentional burning of any facility.
7. Emergency renovation operation - A renovation operation that was not planned but results from a sudden, unexpected event that, if not immediately attended to, presents a safety or public health hazard, is necessary to protect equipment from damage, or is necessary to avoid imposing an unreasonable financial burden.
8. Grinding - To reduce to powder or small fragments and includes mechanical chipping or drilling.
9. Owner or operator of a demolition or renovation activity - Any person who owns, leases, operates, controls, or supervises the facility being demolished or renovated, or any person who owns, leases, operates, controls, or supervises the demolition or renovation operations, or both.
10. Poor condition - Material where the binding is losing its integrity as indicated by peeling, cracking, or crumbling.

11. Quality control (QC) - Is required for analytical procedures to document the reliability of the data and to identify potential problems as they occur.
12. Renovation - Altering a facility, or one or more facility components, in any way, including the stripping or removal of RACM from a facility component. Operations in which load-supporting structural members are wrecked or taken out are demolitions.
13. Resilient floor covering - Asbestos-containing floor tile, including asphalt and vinyl floor tile, and sheet vinyl floor covering containing more than 1 percent asbestos.

FACILITY ASSESSMENT

ALTEC Environmental Consulting, LLC, represented by Adam Callender, conducted a limited asbestos assessment of Luxora Elementary School located at 122 W. Calhoun Street in Luxora, Arkansas, at the request of Environmental Science Inc.

PROCEDURE

The limited asbestos inspection was performed on August 5, 2024. All accessible areas of the facility were inspected for potential asbestos-containing materials. Samples of suspect materials were collected for analysis.

ALTEC performed its services consistent with the level of care and expertise by asbestos professionals performing the same or similar services at the same time and in the same geographic area. No express or implied warranties apply to these services or this report. ALTEC cannot and does not imply, warrant or guarantee that materials not sampled contain no asbestos. This Asbestos Survey was intended to identify reasonably accessible materials most likely to contain asbestos in quantities subject to regulation.

All conclusions and recommendations in this report represent the professional opinions of ALTEC personnel involved with the project. The results, findings, conclusions and recommendations expressed in this report are based on access provided, conditions observed and samples taken during ALTEC's survey. The information contained in this report is relevant as of the date on which the fieldwork was performed and should not be relied upon to represent the site's condition at a later date. This study and report was prepared on behalf of and for the exclusive use of ALTEC's client and solely for its use and reliance in determining the presence of asbestos in identified areas of the site. The results of this report are not intended to be construed as legal interpretation of existing federal, state, or local environmental, health and safety laws or regulations. ALTEC assumes no responsibility or liability for errors in information or data provided to ALTEC by the Client or any third party or developments resulting from activities or situations outside the scope of this project.

SAMPLE ANALYSIS

Asbestos can only be positively identified using microscopical techniques. Samples collected in this survey were analyzed using Polarized Light Microscopy (PLM). EMSL Analytical, Cinnaminson, New Jersey, analyzed the samples from this assessment. EMSL Analytical is a National Voluntary Laboratory Accredited Program (NVLAP).

The analysis procedure followed for asbestos determination was published in *Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-193/116 (1993)*. This method is referred to as the “Improved Method” and is recommended by the EPA as a preferred substitute to the Interim Method. Based on these guidelines, suspect material was considered not to contain ACM only if the results of all samples required to be collected from the homogeneous area were determined to have asbestos in amounts of 1% or less. Those materials analyzed and determined to contain greater than 1% were considered ACM.

SAMPLE RESULTS

Thirty-two (32) bulk samples were collected from Luxora Elementary School located at 122 W. Calhoun Street in Luxora, Arkansas, on August 5, 2024, to verify visual assessment, and submitted for analysis. Nine (9) of the samples were positive for asbestos.

Sample ID	Material Description	Location	Asbestos % Type
LMS-24-220-001	Layer 1 - White 12x12 Floor Tile	Center of Room 6, Building B	2% Chrysotile
LMS-24-220-001	Layer 2 - Black Mastic	Center of Room 6, Building B	3% Chrysotile
LMS-24-220-002	White 12x12 Floor Tile w/Black Mastic	Entrance of Room 17, Building B	2% Chrysotile
LMS-24-220-003	Layer 1 - White 12x12 Floor Tile	Entrance of Room 2, Building B	3% Chrysotile
LMS-24-220-003	Layer 2 - Black Mastic	Entrance of Room 2, Building B	4% Chrysotile
LMS-24-220-006	Layer 2 - Sheetrock Wall (Joint Compound)	East Wall of Room 4, Building B	2% Chrysotile
LMS-24-220-007	Layer 2 - Sheetrock Wall (Joint Compound)	West Wall of Room 10, Building B	2% Chrysotile
LMS-24-220-008	Teal Transite Panel under Window	West Wall of Room 5, Building B	15% Chrysotile
LMS-24-220-009	Teal Transite Panel under Window	East Wall of Room 9, Building B	20% Chrysotile
LMS-24-220-013	Layer 1 - 1/2" White Pipe Elbow (Elbow Vertical)	North End of Boiler Room 12, Building B	30% Chrysotile
LMS-24-220-015	Layer 1 - 1/2" White Pipe Elbow (Elbow Vertical)	South End of Boiler Room 12, Building B	40% Chrysotile

RECOMMENDATIONS

The following recommendations are provided for the building owner dependent on the intended use of the property.

- **Floor Tile Mastic**
The floor tile mastic is a Category I non-friable asbestos-containing material. The floor tile mastic would need to be abated prior to renovation of the affected areas.
- **Texture Material and Joint Compound (MUD):** The texture material and joint compound are Category I non-friable Asbestos-Containing Materials. This material will have to be removed by a licensed abatement contractor before any renovation or demolition activities occur.
- **Transite:** Transite is a Category II non-friable Asbestos-Containing Material. This material will have to be removed by a licensed abatement contractor before any renovation or demolition activities occur.
- **Thermal System Insulation:** The thermal system insulation is a friable Asbestos-Containing Material. This material will have to be removed by a licensed abatement contractor before any renovation or demolition activities occur.

DOCUMENTATION

Included in this report is the following documentation:

- **Asbestos Inspection Log**
 - Information on all the samples obtained during the assessment is provided in this section.
- **Drawings**
 - Homogenous drawings reference all location within the building that contains asbestos-containing materials.
 - All sample locations are provided in this section on drawings.
- **Photographs**
 - Photographs of all sample locations are provided in this section.
- **Analytical Results**
 - Analytical results are provided for all samples taken.

ALTEC offers a wide range of environmental services to their clients. ALTEC professionals can prepare detailed technical specifications for the performance of abatement projects at a wide variety of locations. ALTEC can develop the design package and assist the client in competitively bidding the project. ALTEC can assist the client in selecting the best bid offer for the project. During the abatement project, ALTEC can oversee the project every step of the way. We serve as the client's third party to see that all requirements of the abatement specifications are met and that the control measures are functioning as planned. Our professionals perform air monitoring to document the effectiveness of required work procedures. All of our field and office analysts participate in the American Industrial Hygiene Association (AIHA) Proficiency Analytical Testing (PAT) program. Our professionals can conduct visual inspections and final air clearance sampling to provide the client with the necessary documentation required for the completion of the project.

ALTEC can assist Environmental Science Inc. in preparing an asbestos abatement plan.

INSPECTORS:

A handwritten signature in blue ink that reads "Adam Callender".

Adam Callender
Arkansas Certificate No. 017814 – Asbestos Inspector

A handwritten signature in blue ink that reads "Edward Myers".

Edward Myers
Arkansas Certificate No. 018721 – Asbestos Inspector

PROJECT MANAGER:

A handwritten signature in blue ink that reads "Robert B. Raines, III".

Robert B. Raines, III
Arkansas Certificate No. 012413 – Management Planner

Accreditation Agency: State of Arkansas Department of Health

LIMITED LEAD-BASED PAINT INSPECTION

ALTEC performed a limited lead-based paint inspection of Luxora Elementary School located at 122 W. Calhoun Street in Luxora, Arkansas, on August 6-7, 2024. Adam Callender, an ADH-accredited Lead Inspector, used an RMD LPA-1 model X-Ray Fluorescence analyzer to acquire the lead content of the various painted interior surfaces of the building.

Three hundred seventy-two (372) readings were obtained from the building. Twenty-one (21) of these readings were calibrations; therefore, three hundred fifty-one (351) surfaces were tested. None of the samples were above the HUD level of 1.0 mg/cm² for lead-based paint.

DOCUMENTATION

Included in this report is the following documentation:

- **Lead Inspection Results**
 - Results of all the lead readings obtained during the inspection are provided in this section.
- **Lead Drawing**
 - All sample locations are provided in this section on a drawing. The sample numbers of all locations exceeding the HUD level are highlighted in red.

LEAD INSPECTOR:

A handwritten signature in blue ink, reading "Adam Callender".

Adam Callender

Arkansas Certificate No.000381 – Lead Inspector

PROJECT MANAGER:

A handwritten signature in blue ink, reading "Robert B. Raines, III".

Robert B. Raines, III

Arkansas Certificate No. 000354 – Lead Supervisor

Accreditation Agency: State of Arkansas Department of Health

Asbestos Inspection Log

Form ID: AI-2024-001

Revision: 1.0

Effective Date: 2024-01-01

Inspector: John Doe

Location: 123 Main St, Suite 100

Inspection Date: 2024-02-15

Inspector's Signature: [Signature]

Client: ABC Company

Project: Asbestos Abatement

Inspector's License: 12345

Inspector's Phone: (555) 123-4567

Inspector's Email: john.doe@company.com

Inspector's Address: 456 Elm St, City, State

Inspector's State: CA

Inspector's City: Los Angeles

Inspector's Zip: 90001

Inspector's Title: Asbestos Inspector

Inspector's Employer: ABC Company

Inspector's Supervisor: Jane Smith

Inspector's Supervisor's Phone: (555) 987-6543

Inspector's Supervisor's Email: jane.smith@company.com

Inspector's Supervisor's Address: 456 Elm St, City, State

Inspector's Supervisor's State: CA

Inspector's Supervisor's City: Los Angeles

ASBESTOS INSPECTION LOG



Client: Environmental Science Inc.
Location: Luxora Elementary School, 122 W. Calhoun St., Luxora, AR

Date: August 6, 2024
Inspector(s): Adam Callender & Edward Myers

Please use the following guidelines when reading this report:
Material Category: T=TSI S=Surfacing M=Miscellaneous

ND=None Detected
Friability: F=Friable
NF=Non-Friable

NA=Not Analyzed
Condition: Good = 8, 9, 10 Fair = 4, 5, 6, 7 Poor = 1, 2, 3

Note: Red = Asbestos-Containing Material Blue = Non Asbestos-Containing Material Green = Non Asbestos-Containing Material (determined by Point Count analysis)

Sample ID	Material Description	Material Category	Friability	Condition	Location	Asbestos % Type
LMS-24-220-001	Layer 1 - White 12x12 Floor Tile	M	NF	7	Center of Room 6, Building B	2% Chrysotile
LMS-24-220-001	Layer 2 - Black Mastic	M	NF	7	Center of Room 6, Building B	3% Chrysotile
LMS-24-220-002	White 12x12 Floor Tile w/Black Mastic	M	NF	8	Entrance of Room 17, Building B	2% Chrysotile
LMS-24-220-003	Layer 1 - White 12x12 Floor Tile	M	NF	7	Entrance of Room 2, Building B	3% Chrysotile
LMS-24-220-003	Layer 2 - Black Mastic	M	NF	7	Entrance of Room 2, Building B	4% Chrysotile
LMS-24-220-004	White 2x4 Ceiling Tile	M	F	7	North End of Hallway, Building B	ND
LMS-24-220-005	White 2x4 Ceiling Tile	M	F	8	South End of Hallway, Building B	ND
LMS-24-220-006	Layer 1 - Sheetrock Wall (Drywall)	M	NF	8	East Wall of Room 4, Building B	ND
LMS-24-220-006	Layer 2 - Sheetrock Wall (Joint Compound)	M	NF	8	East Wall of Room 4, Building B	2% Chrysotile
LMS-24-220-007	Layer 1 - Sheetrock Wall (Drywall)	M	NF	7	West Wall of Room 10, Building B	ND
LMS-24-220-007	Layer 2 - Sheetrock Wall (Joint Compound)	M	NF	7	West Wall of Room 10, Building B	2% Chrysotile
LMS-24-220-008	Teal Transite Panel under Window	M	NF	8	West Wall of Room 5, Building B	15% Chrysotile
LMS-24-220-009	Teal Transite Panel under Window	M	NF	8	East Wall of Room 9, Building B	20% Chrysotile
LMS-24-220-010	White Fibrous Ceiling	M	NF	7	Center of Room 1, Building B	ND

ASBESTOS INSPECTION LOG



Client: Environmental Science Inc.
Location: Luxora Elementary School, 122 W. Calhoun St., Luxora, AR

Date: August 6, 2024
Inspector(s): Adam Callender & Edward Myers

Please use the following guidelines when reading this report:
Material Category: T=TSI S=Surfacing M=Miscellaneous

ND=None Detected
Friability: F=Friable
NF=Non-Friable

NA=Not Analyzed
Condition: Good = 8, 9, 10 Fair = 4, 5, 6, 7 Poor = 1, 2, 3

Note: Red = Asbestos-Containing Material Blue = Non Asbestos-Containing Material Green = Non Asbestos-Containing Material (determined by Point Count analysis)

Sample ID	Material Description	Material Category	Friability	Condition	Location	Asbestos % Type
LMS-24-220-011	White Fibrous Ceiling	M	NF	8	Center of Storage Room 13, Building B	ND
LMS-24-220-012	1/2" Pipe, Brown Wrap w/Reflective Inside, Yellow Fiberglass Insulation (Straight Run/Horizontal)	T	F	7	North End of Boiler Room 12, Building B	ND
LMS-24-220-013	Layer 1 - 1/2" White Pipe Elbow (Elbow Vertical)	T	F	8	North End of Boiler Room 12, Building B	30% Chrysotile
LMS-24-220-013	Layer 2 - White Block Insulation	T	F	8	North End of Boiler Room 12, Building B	NA
LMS-24-220-014	1/2" Brown Pipe Wrap w/Reflective Inside, Yellow Fiberglass Insulation	T	F	8	South End of Boiler Room 12, Building B	ND
LMS-24-220-015	Layer 1 - 1/2" White Pipe Elbow (Elbow Vertical)	T	F	6	South End of Boiler Room 12, Building B	40% Chrysotile
LMS-24-220-015	Layer 2 - White Block Insulation	T	F	6	South End of Boiler Room 12, Building B	NA
LMS-24-220-016	Black Cove Molding w/Yellow Adhesive	M	NF	7	East Wall of Main Hallway, Building B	ND
LMS-24-220-017	Black Cove Molding w/Yellow Adhesive	M	NF	8	East Wall of Room 3, Building B	ND
LMS-24-220-018	White 2x4 Ceiling Tile	M	F	8	Northwest Corner of Dining Area, Building A	ND
LMS-24-220-019	White 2x4 Ceiling Tile	M	F	9	North End of Hallway, Building A	ND
LMS-24-220-020	White 2x4 Sheetrock Ceiling Tile	M	NF	7	Southeast End of Kitchen, Building A	ND
LMS-24-220-021	White 2x4 Sheetrock Ceiling Tile	M	NF	7	Northeast End of Kitchen, Building A	ND
LMS-24-220-022	Sheetrock Ceiling	M	NF	8	Center of Dining Area Closet, Building A	ND

ASBESTOS INSPECTION LOG



Client: Environmental Science Inc.
Location: Luxora Elementary School, 122 W. Calhoun St., Luxora, AR

Date: August 6, 2024
Inspector(s): Adam Callender & Edward Myers

Please use the following guidelines when reading this report:
Material Category: T=TSI S=Surfacing M=Miscellaneous

ND=None Detected
Friability: F=Friable
NF=Non-Friable

NA=Not Analyzed
Condition: Good = 8, 9, 10 Fair = 4, 5, 6, 7 Poor = 1, 2, 3

Note: **Red = Asbestos-Containing Material** **Blue = Non Asbestos-Containing Material** **Green = Non Asbestos-Containing Material (determined by Point Count analysis)**

Sample ID	Material Description	Material Category	Friability	Condition	Location	Asbestos % Type
LMS-24-220-023	Sheetrock Ceiling	M	NF	8	Center of Closet 1, Building A	ND
LMS-24-220-024	White 12x12 Floor Tile w/Black Mastic	M	NF	7	South End of Room 2, Building A	ND
LMS-24-220-025	White 12x12 Floor Tile w/Black Mastic	M	NF	8	South End of Hallway, Building A	ND
LMS-24-220-026	White 12x12 Floor Tile w/Black Mastic	M	NF	8	North End of Dining Area, Building A	ND
LMS-24-220-027	Brown Cove Molding w/Yellow Adhesive	M	NF	9	Southwest Corner of Room 14, Building A	ND
LMS-24-220-028	Brown Cove Molding w/Yellow Adhesive	M	NF	8	East Wall of Room 1, Building A	ND
LMS-24-220-029	Sheetrock, Tape & Mud	M	NF	10	South Wall on East End of Stage	ND
LMS-24-220-030	Sheetrock, Tape & Mud	M	NF	10	South Wall on West End of Stage	ND
LMS-24-220-031	White 2x4 Ceiling Tile	M	F	10	South Wall on East End of Stage	ND
LMS-24-220-032	White 2x4 Ceiling Tile	M	F	10	South Wall on West End of Stage	ND

Please use the following guidelines when reading this report:

ND=None Detected

NA=Not Analyzed

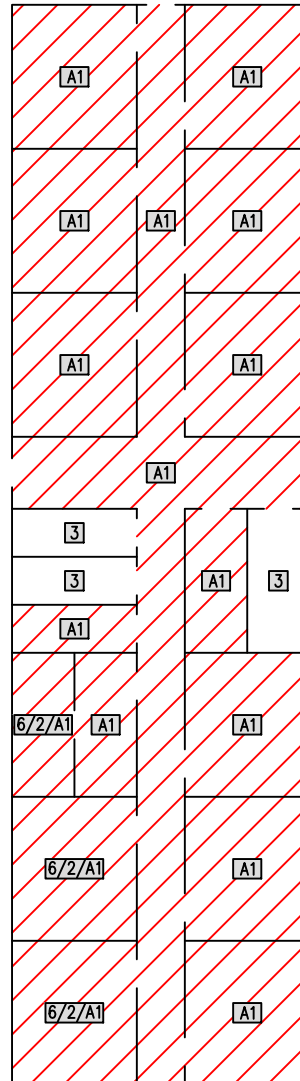
Material Category: T=TSI S=Surfacing M=Miscellaneous

Friability: F=Friable NF=Non-Friable

Condition: Good = 8, 9, 10 Fair = 4, 5, 6, 7 Poor = 1, 2, 3

GOOD = Surfacing material has no visible damage or small amounts of damage; covering on thermal system insulation is intact or has small amounts of damage; miscellaneous materials intact; no visible debris or small amounts of debris. FAIR = Surfacing material has moderate but not extensive amounts of visible damage; covering on thermal system insulation is cut or torn, exposing moderate but not extensive amounts of insulation; moderate but not extensive damage to miscellaneous materials such as floor tile; moderate but not extensive amounts of visible dust and debris. POOR = Extensive damage to surfacing material; covering on thermal system insulation is cut or torn extensively and insulation itself is damaged; miscellaneous materials such as floor tile extensively damaged and underlying mastic exposed; extensive amounts of dust and debris.

HOMOGENEOUS DRAWING(S)

**TITLE**

BUILDING B
ASBESTOS FLOORING
HOMOGENEOUS AREAS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

 HMA-01 FLOOR TILE & MASTIC
(APPROX. 12,800 SQ FT)

FLOORING LEGEND

-  BLACK MASTIC
-  YELLOW MASTIC
-  CONCRETE
-  WOOD
-  CERAMIC TILE
-  CARPET
-  TERRAZZO
-  WHITE 12"x12" FT



PROJECT NO. **SCALE**

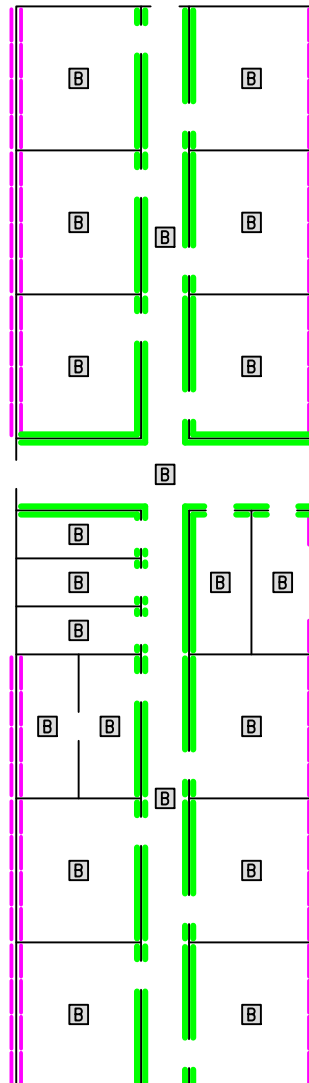
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A - 8.5" X 11" 08/13/24

**TITLE**

BUILDING B
ASBESTOS MISCELLANEOUS
HOMOGENEOUS AREAS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

- HMA-03 SHEETROCK
(APPROX. 900 FT)
- HMA-04 TRANSITE WALL PANELS
(APPROX. 200 PANELS)

CEILING LEGEND

- A 12" X 12" CEILING TILE
- B 12" X 12" CEILING TILE W/GLUE DOTS
- C 2' X 2' CEILING TILE
- D 2' X 4' CEILING TILE
- E SHEETROCK
- F PLASTER
- G TRANSITE
- H SPRAY-ON INSULATION
- I FIBERGLASS
- J WOOD
- K METAL
- L CONCRETE

**PROJECT NO. SCALE**

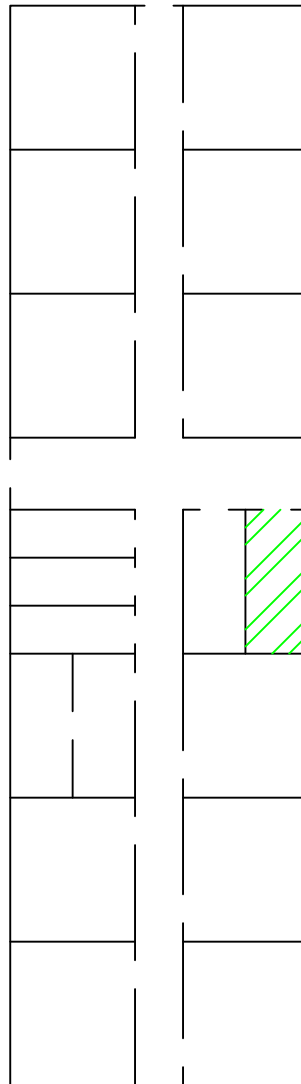
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A - 8.5" X 11" 08/13/24

**TITLE**

BUILDING B
ASBESTOS PIPING
HOMOGENEOUS AREAS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

 HMA-02 1/2" 90° ELBOW
(APPROX. 13 PIPE FITTINGS
LOCATED)

NOTE:
ADDITIONAL FITTINGS PRESUMED TO BE
PRESENT WITHIN WALL CAVITIES OF
BATHROOMS AND OTHER LOCATIONS WHERE
WATER IS SERVICED.

**PROJECT NO. SCALE**

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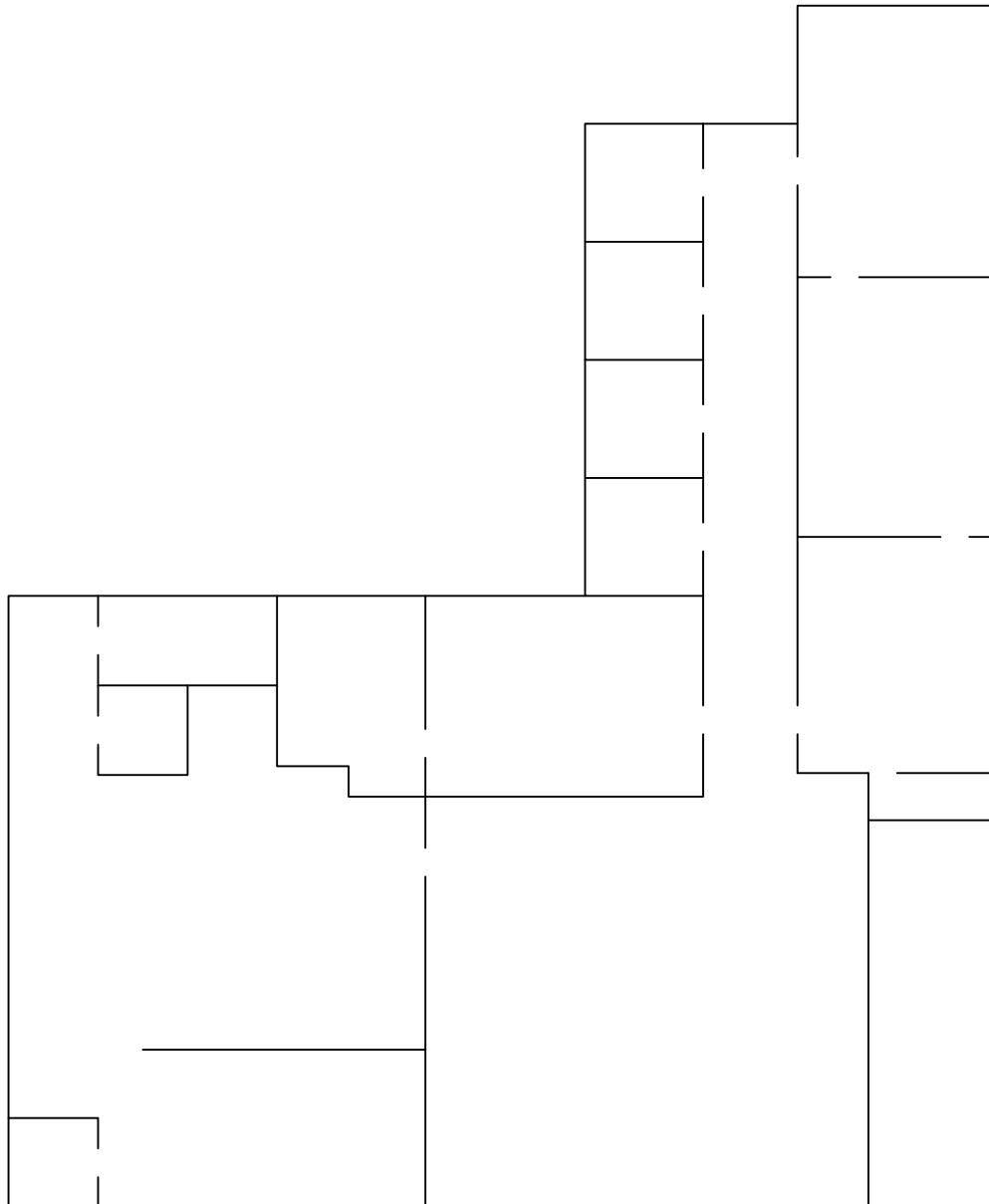
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Asbestos Sample Location Drawing(s)



TITLE

BUILDING A
SITE PLAN

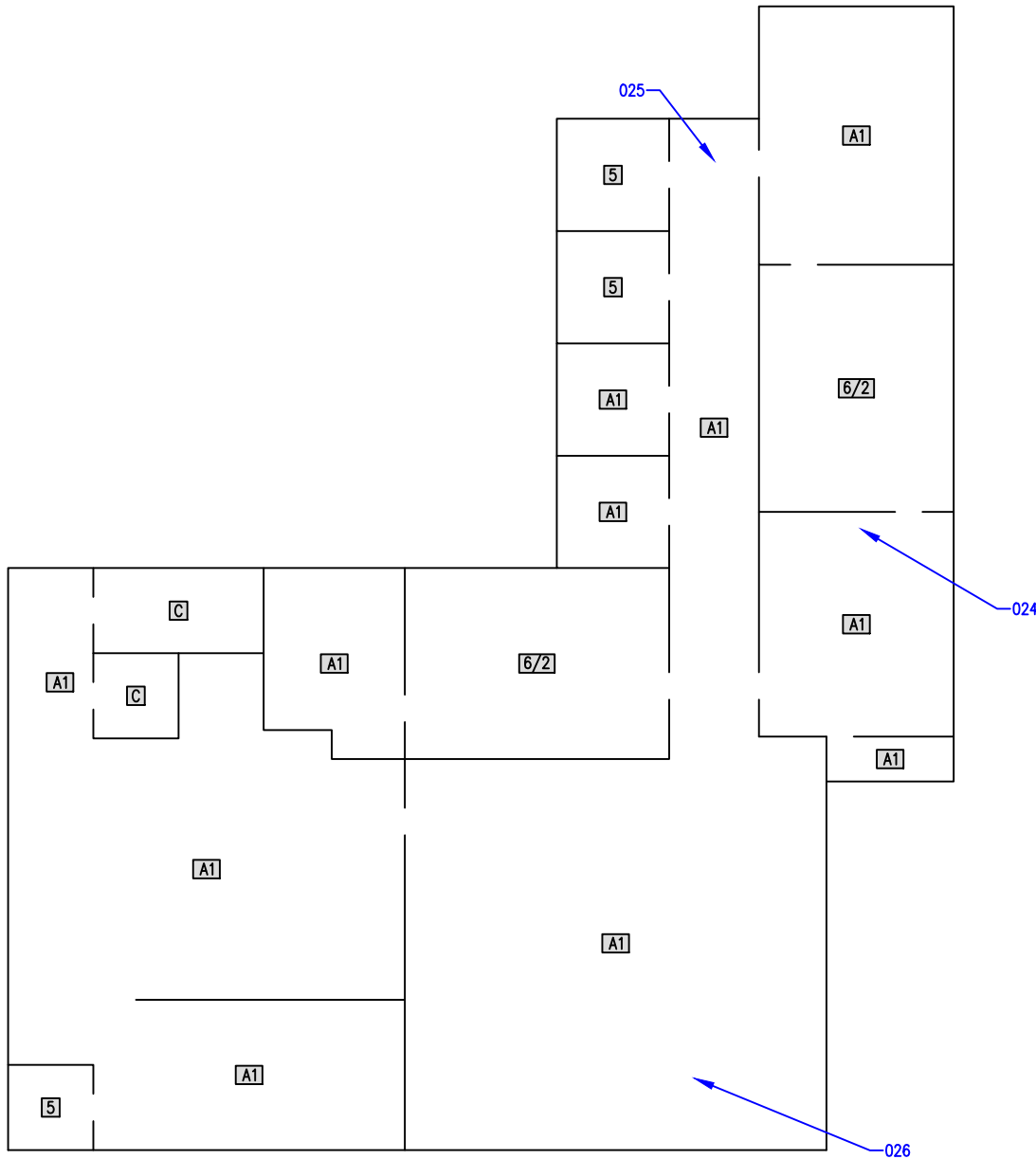
LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND



PROJECT NO.	SCALE
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A - 8.5" X 11"	08/02/24



Sample ID	Material Description	Asbestos % Type
LMS-24-220-024	White 12x12 Floor Tile w/Black Mastic	ND
LMS-24-220-025	White 12x12 Floor Tile w/Black Mastic	ND
LMS-24-220-026	White 12x12 Floor Tile w/Black Mastic	ND

L:\Drawings\2024\SA08670 Luxora Elementary School\SA08670 AF.dwg

TITLE

BUILDING A
ASBESTOS FLOORING
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

- 001 POSITIVE FOR ACBM
- 001 NEGATIVE FOR ACBM
- 001 RETESTED & FOUND NOT TO CONTAIN ASBESTOS

FLOORING LEGEND

- 1 BLACK MASTIC
- 2 YELLOW MASTIC
- 3 CONCRETE
- 4 WOOD
- 5 CERAMIC TILE
- 6 CARPET
- 7 TERRAZZO
- A WHITE 12"x12" FT



PROJECT NO. SCALE

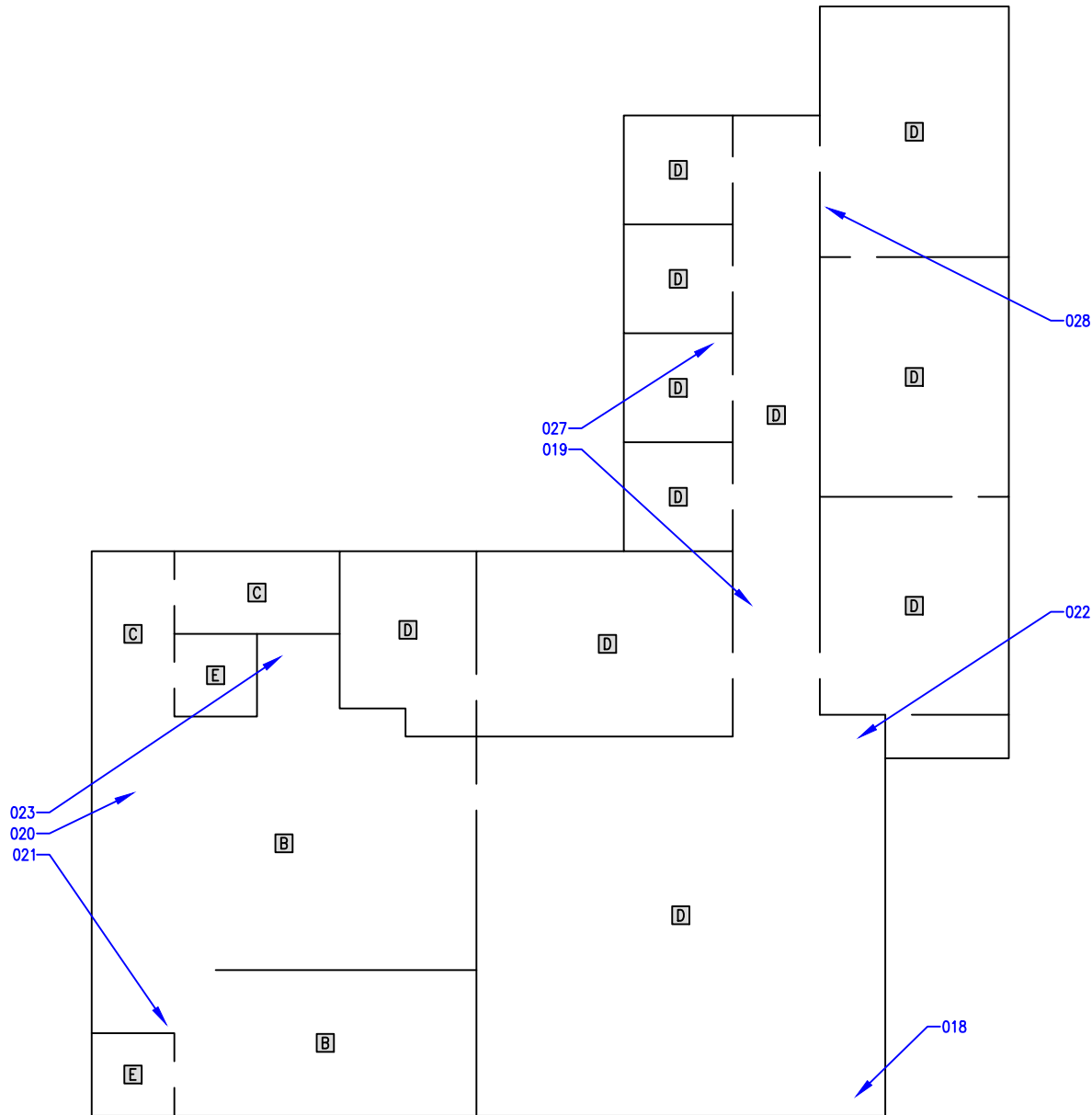
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SHEET DATE

A - 8.5" X 11" 08/12/24



Sample ID	Material Description	Asbestos % Type
LMS-24-220-018	White 2x4 Ceiling Tile	ND
LMS-24-220-019	White 2x4 Ceiling Tile	ND
LMS-24-220-020	White 2x4 Sheetrock Ceiling Tile	ND
LMS-24-220-021	White 2x4 Sheetrock Ceiling Tile	ND
LMS-24-220-022	Sheetrock Ceiling	ND
LMS-24-220-023	Sheetrock Ceiling	ND
LMS-24-220-027	Brown Cove Molding w/Yellow Adhesive	ND
LMS-24-220-028	Brown Cove Molding w/Yellow Adhesive	ND

TITLE

BUILDING A
ASBESTOS MISCELLANEOUS
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

- 001 POSITIVE FOR ACBM
001 NEGATIVE FOR ACBM
001 RETESTED & FOUND NOT TO CONTAIN ASBESTOS

CEILING LEGEND

- A 12" X 12" CEILING TILE
B 12" X 12" CEILING TILE W/GLUE DOTS
C 2' X 2' CEILING TILE
D 2' X 4' CEILING TILE
E SHEETROCK
F PLASTER
G TRANSITE
H SPRAY-ON INSULATION
I FIBERGLASS
J WOOD
K METAL
L CONCRETE



PROJECT NO.

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SCALE

NTS

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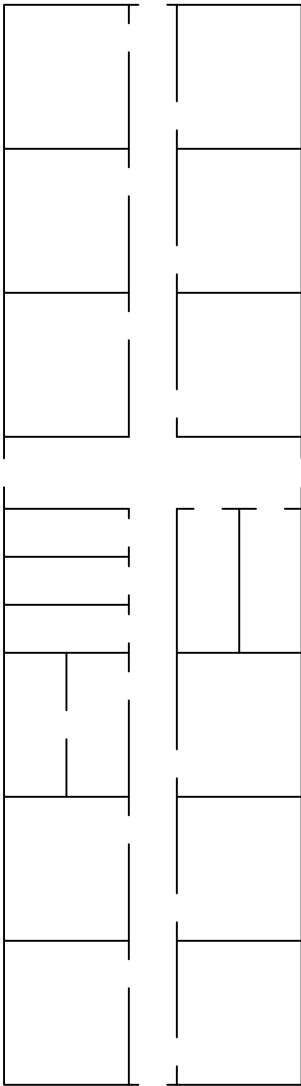
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A - 8.5" X 11"

DATE

08/12/24



TITLE

BUILDING B
SITE PLAN

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND



PROJECT NO. SCALE

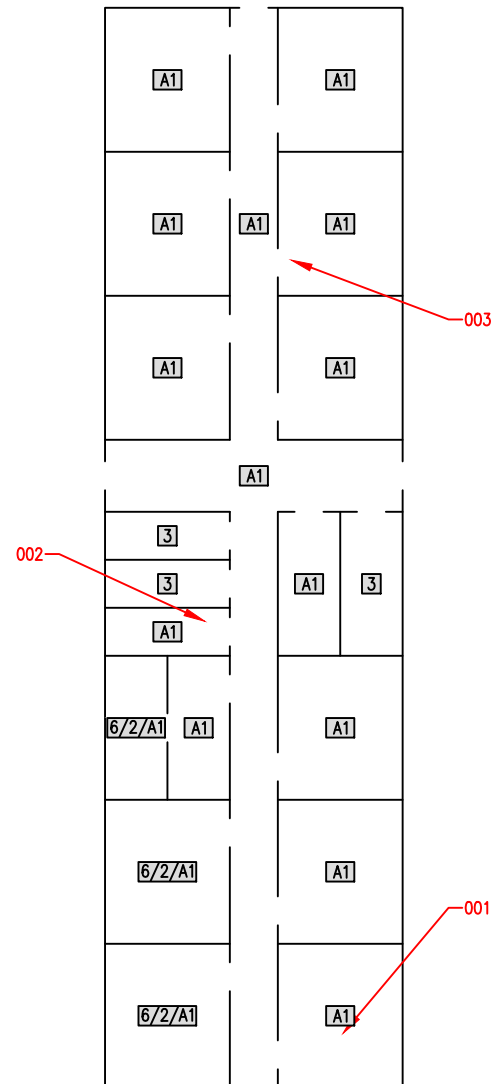
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SHEET DATE

A - 8.5" X 11" 08/02/24



Sample ID	Material Description	Asbestos % Type
LMS-24-220-001	Layer 1 - White 12x12 Floor Tile	2% Chrysotile
LMS-24-220-001	Layer 2 - Black Mastic	3% Chrysotile
LMS-24-220-002	White 12x12 Floor Tile w/Black Mastic	2% Chrysotile
LMS-24-220-003	Layer 1 - White 12x12 Floor Tile	3% Chrysotile
LMS-24-220-003	Layer 2 - Black Mastic	4% Chrysotile

TITLE

BUILDING B
ASBESTOS FLOORING
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

- ← 001 POSITIVE FOR ACBM
← 001 NEGATIVE FOR ACBM
← 001 RETESTED & FOUND NOT TO CONTAIN ASBESTOS

FLOORING LEGEND

- 1 BLACK MASTIC
2 YELLOW MASTIC
3 CONCRETE
4 WOOD
5 CERAMIC TILE
6 CARPET
7 TERRAZZO
A WHITE 12"x12" FT



PROJECT NO. SCALE

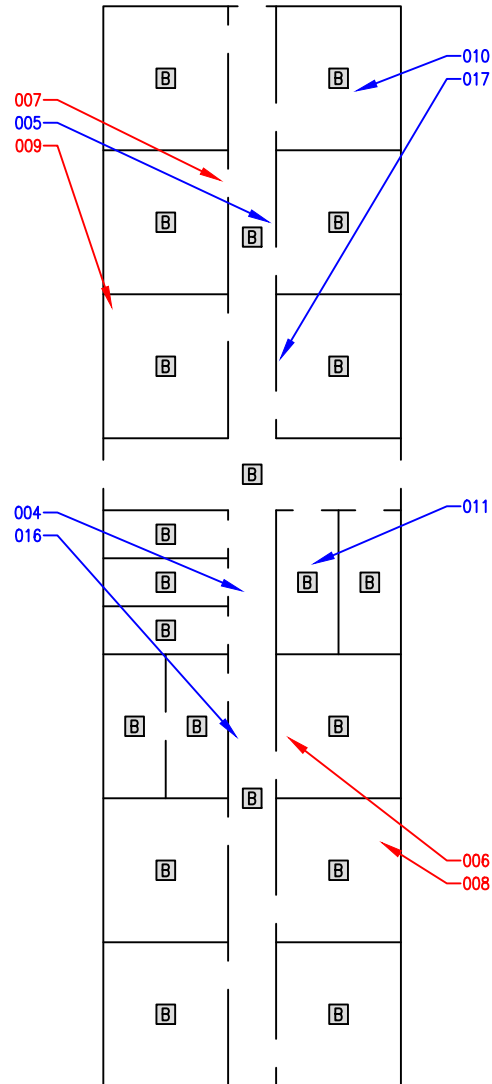
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SHEET DATE

A - 8.5" X 11" 08/12/24



Sample ID	Material Description	Asbestos % Type
LMS-24-220-004	White 2x4 Ceiling Tile	ND
LMS-24-220-005	White 2x4 Ceiling Tile	ND
LMS-24-220-006	Layer 1 - Sheetrock Wall (Drywall)	ND
LMS-24-220-007	Layer 2 - Sheetrock Wall (Joint Compound)	2% Chrysotile
LMS-24-220-008	Layer 1 - Sheetrock Wall (Drywall)	ND
LMS-24-220-009	Layer 2 - Sheetrock Wall (Joint Compound)	2% Chrysotile
LMS-24-220-010	Teal Transite Panel under Window	15% Chrysotile
LMS-24-220-011	Teal Transite Panel under Window	20% Chrysotile
LMS-24-220-012	White Fibrous Ceiling	ND
LMS-24-220-013	White Fibrous Ceiling	ND
LMS-24-220-014	Black Cove Molding w/Yellow Adhesive	ND
LMS-24-220-015	Black Cove Molding w/Yellow Adhesive	ND

TITLE

BUILDING B
ASBESTOS MISCELLANEOUS
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

- 001 POSITIVE FOR ACBM
- 001 NEGATIVE FOR ACBM
- 001 RETESTED & FOUND NOT TO CONTAIN ASBESTOS

CEILING LEGEND

- A 12" X 12" CEILING TILE
- B 12" X 12" CEILING TILE W/GLUE DOTS
- C 2' X 2' CEILING TILE
- D 2' X 4' CEILING TILE
- E SHEETROCK
- F PLASTER
- G TRANSITE
- H SPRAY-ON INSULATION
- I FIBERGLASS
- J WOOD
- K METAL
- L CONCRETE



PROJECT NO. SCALE

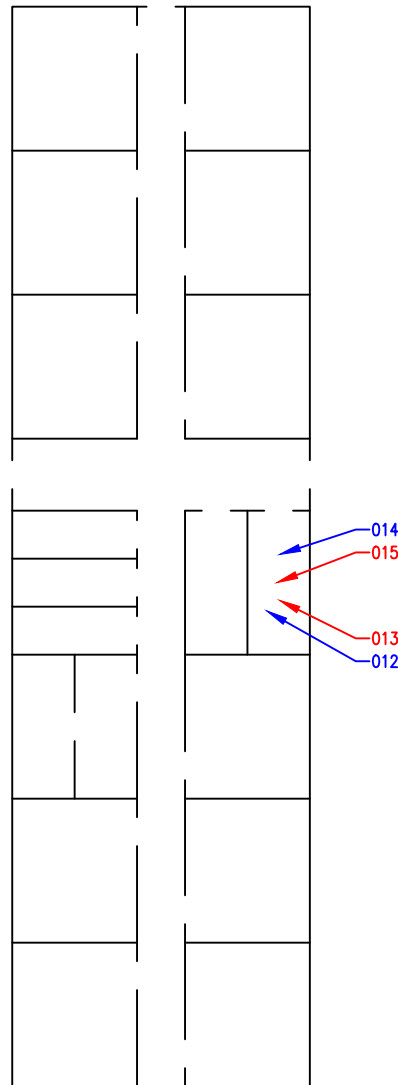
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SHEET DATE

A - 8.5" X 11" 08/12/24



Sample ID	Material Description	Asbestos % Type
LMS-24-220-012	1/2" Pipe, Brown Wrap w/Reflective Inside, Yellow Fiberglass Insulation (Straight Run/Horizontal)	ND
LMS-24-220-013	Layer 1 - 1/2" White Pipe Elbow (Elbow Vertical)	30% Chrysotile
LMS-24-220-013	Layer 2 - White Block Insulation	NA
LMS-24-220-014	1/2" Brown Pipe Wrap w/Reflective Inside, Yellow Fiberglass Insulation	ND
LMS-24-220-015	Layer 1 - 1/2" White Pipe Elbow (Elbow Vertical)	40% Chrysotile
LMS-24-220-015	Layer 2 - White Block Insulation	NA

TITLE

BUILDING B
ASBESTOS PIPING
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

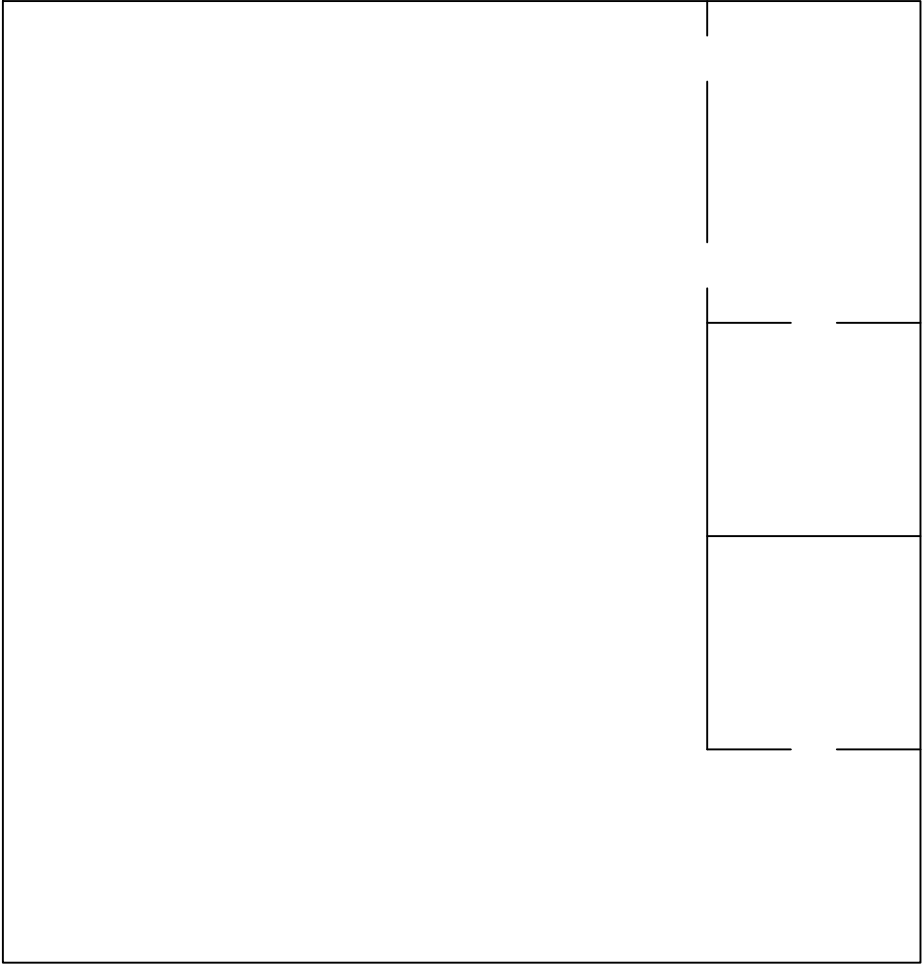
- 001 POSITIVE FOR ACBM
- 001 NEGATIVE FOR ACBM
- 001 RETESTED & FOUND NOT TO CONTAIN ASBESTOS



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A - 8.5" X 11"	08/12/24



PLAN NORTH



TITLE

BUILDING C
SITE PLAN

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND



PROJECT NO. SCALE

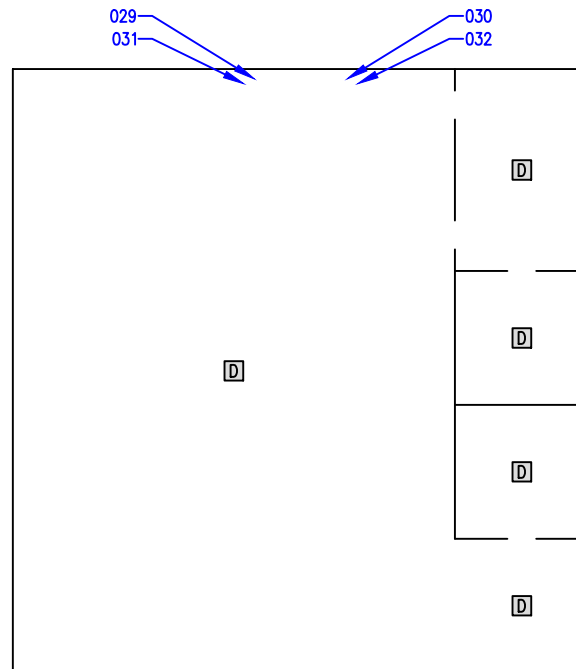
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SHEET DATE

A - 8.5" X 11" 08/02/24



Sample ID	Material Description	Asbestos % Type
LMS-24-220-029	Sheetrock, Tape & Mud	ND
LMS-24-220-030	Sheetrock, Tape & Mud	ND
LMS-24-220-031	White 2x4 Ceiling Tile	ND
LMS-24-220-032	White 2x4 Ceiling Tile	ND

TITLE

BUILDING C
ASBESTOS MISCELLANEOUS
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND

- 001 POSITIVE FOR ACBM
001 NEGATIVE FOR ACBM
001 RETESTED & FOUND NOT
TO CONTAIN ASBESTOS

CEILING LEGEND

- A 12" X 12" CEILING TILE
B 12" X 12" CEILING TILE W/GLUE DOTS
C 2' X 2' CEILING TILE
D 2' X 4' CEILING TILE
E SHEETROCK
F PLASTER
G TRANSITE
H SPRAY-ON INSULATION
I FIBERGLASS
J WOOD
K METAL
L CONCRETE



PROJECT NO. SCALE

SA08670 NTS

PAGE DRAWN BY

1 BB

SHEET DATE

A - 8.5" X 11" 08/12/24

Asbestos Analytical Results



EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / cinnasblab@EMSL.com

EMSL Order: 042416662

Customer ID: ALT50

Customer PO:

Project ID:

Attention: Justin Holcomb
ALTEC Environmental Consultants, Inc.
1111 Hawn Ave
Shreveport, LA 71107

Phone: (318) 687-3771
Fax: (318) 687-9923
Received Date: 08/09/2024 9:30 AM
Analysis Date: 08/09/2024 - 08/10/2024
Collected Date: 08/08/2024

Project: SA08670 / Luxora Elementary School Inspection / 503 West Calhoun St, Luxora, AR

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
LMS-24-220-001-Floor Tile 042416662-0001	Center of Room 6 Bldg B - White 12x12 FT	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
LMS-24-220-001-Mastic 042416662-0001A	Center of Room 6 Bldg B - Black Mastic	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
LMS-24-220-002-Floor Tile 042416662-0002	Entrance of Room 18 Bldg B - White 12x12 FT	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
LMS-24-220-002-Mastic 042416662-0002A	Entrance of Room 18 Bldg B - Black Mastic	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
LMS-24-220-003-Floor Tile 042416662-0003	Entrance of Room 2 Bldg B - White 12x12 FT	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
LMS-24-220-003-Mastic 042416662-0003A	Entrance of Room 2 Bldg B - Black Mastic	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
LMS-24-220-004 042416662-0004	North End of Hallway Bldg B - White 2x4 Ceiling Tile	Gray/Tan/White Fibrous Homogeneous	50% Cellulose 25% Min. Wool	25% Non-fibrous (Other)	None Detected
LMS-24-220-005 042416662-0005	South End of Hallway Bldg B - White 2x4 Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
LMS-24-220-006-Drywall 042416662-0006	East Wall of Room 4 Bldg B - Drywall	Brown/Gray/White Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (Other)	None Detected
LMS-24-220-006-Joint Compound 042416662-0006A	East Wall of Room 4 Bldg B - Joint Compound	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
LMS-24-220-007-Drywall 042416662-0007	West Wall of Room 10 Bldg B - Drywall	White Fibrous Homogeneous	15% Cellulose 2% Glass	83% Non-fibrous (Other)	None Detected
LMS-24-220-007-Joint Compound 042416662-0007A	West Wall of Room 10 Bldg B - Joint Compound	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
LMS-24-220-008 042416662-0008	West Wall of Room 5 Bldg B - Teal Transite Panel Under Window	Gray Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
LMS-24-220-009 042416662-0009	East Wall of Room 9 Bldg B - Teal Transite Panel Under Window	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile

Initial report from: 08/10/2024 12:49:45



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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
LMS-24-220-010 042416662-0010	Center of Room 1 Bldg B - White Fibrous Ceiling	Brown/Tan/White Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
LMS-24-220-011 042416662-0011	Center of Storage Room 13 Bldg B - White Fibrous Ceiling	White Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
LMS-24-220-012-Pipe Wrap 042416662-0012	North End of Boiler Room 12 Bldg B - 1/2" Brown Pipe Wrap w/Reflective Inside	Brown Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
LMS-24-220-012-Insulat ion 042416662-0012A	North End of Boiler Room 12 Bldg B - Yellow Fiberglass Insulation	Yellow Fibrous Homogeneous	80% Glass	20% Non-fibrous (Other)	None Detected
LMS-24-220-013-Pipe Elbow 042416662-0013	North End of Boiler Room 12 Bldg B - 1/2" White Elbow	Gray/White Fibrous Homogeneous		70% Non-fibrous (Other)	30% Chrysotile
LMS-24-220-013-Insulat ion 042416662-0013A	North End of Boiler Room 12 Bldg B - White Block Insulation				Layer Not Present
LMS-24-220-014-Pipe Wrap 042416662-0014	South End of Boiler Room 12 Bldg B - 1/2" Brown Pipe Wrap w/Reflective Inside	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
LMS-24-220-014-Insulat ion 042416662-0014A	South End of Boiler Room 12 Bldg B - White Block Insulation	Yellow Fibrous Homogeneous	90% Glass	10% Non-fibrous (Other)	None Detected
LMS-24-220-015-Pipe Elbow 042416662-0015	South End of Boiler Room 12 Bldg B - 1/2" White Elbow	Tan Fibrous Homogeneous		60% Non-fibrous (Other)	40% Chrysotile
LMS-24-220-015-Insulat ion 042416662-0015A	South End of Boiler Room 12 Bldg B - Yellow Fiberglass Insulation				Layer Not Present
LMS-24-220-016-Cove Molding 042416662-0016	East Wall of Main Hallway Bldg B - Black Cove Molding	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
LMS-24-220-016-Adhesi ve 042416662-0016A	East Wall of Main Hallway Bldg B - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
LMS-24-220-017-Cove Molding 042416662-0017	East Wall of Room 3 Bldg B - Black Cove Molding	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
LMS-24-220-017-Adhesi ve 042416662-0017A	East Wall of Room 3 Bldg B - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
LMS-24-220-018 042416662-0018	NW Corner of Dining Area Bldg A - White 2x4 Ceiling Tile	Brown/Tan/White Fibrous Homogeneous	50% Cellulose 25% Min. Wool	25% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
LMS-24-220-019	North End of the Hallway Bldg A - White 2x4 Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
042416662-0019					
LMS-24-220-020	SE End of the Kitchen Bldg A - White 2x4 Sheetrock Ceiling Tile	Brown/Gray/White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
042416662-0020					
LMS-24-220-021	NE End of the Kitchen Bldg A - White 2x4 Sheetrock Ceiling Tile	White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
042416662-0021					
LMS-24-220-022	Center of Dining Area Closet Bldg A - Sheetrock Ceiling	Brown/Gray/White Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (Other)	None Detected
042416662-0022					
LMS-24-220-023	Center of Closet Bldg A - Sheetrock Ceiling	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
042416662-0023					
LMS-24-220-024-Floor Tile	South End of Room 2 Bldg A - White 12x12 Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0024					
LMS-24-220-024-Mastic	South End of Room 2 Bldg A - Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0024A					
LMS-24-220-025-Floor Tile	South End of Hallway Bldg A - White 12x12 Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0025					
LMS-24-220-025-Mastic	South End of Hallway Bldg A - Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0025A					
LMS-24-220-026-Floor Tile	North End of Dining Area Bldg A - White 12x12 Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0026					
LMS-24-220-026-Mastic	North End of Dining Area Bldg A - Black Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0026A					
LMS-24-220-027-Cove Molding	SW Corner of Room 14 Bldg A - Brown Cove Molding	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0027					
LMS-24-220-027-Adhesive	SW Corner of Room 14 Bldg A - Yellow Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0027A					
LMS-24-220-028-Cove Molding	East Wall of Room 1 Bldg A - Brown Cove Molding	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0028					
LMS-24-220-028-Adhesive	East Wall of Room 1 Bldg A - Yellow Adhesive	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
042416662-0028A					
LMS-24-220-029	South Wall on East of the Stage - Sheetrock Tape and Mud	White Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
042416662-0029					
LMS-24-220-030-Sheetrock Tape	South Wall on West End of the Stage - Sheetrock Tape	Brown/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
042416662-0030					

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
LMS-24-220-030-Mud 042416662-0030A	South Wall on West End of the Stage - Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
LMS-24-220-031 042416662-0031	South Wall on East End of Stage - White 2x4 Ceiling Tile	White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	20% Non-fibrous (Other)	None Detected
LMS-24-220-032 042416662-0032	South Wall on West End of the Stage - White 2x4 Ceiling Tile	White Fibrous Homogeneous	60% Cellulose 15% Min. Wool	25% Non-fibrous (Other)	None Detected

Analyst(s)

Amiri Lewis (21)

Emilie Kalbach (5)

Rebecca Kelly (21)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, PA ID# 68-00367, LA #04127

Initial report from: 08/10/2024 12:49:45

042416662

(32) 8

Proj.# SA08670 ASBESTOS INSPECTION LOG

042416662



PAGE 1 of 4
DATE: 8-8-24

Facility: Luxora Elementary School
Inspection

Address/Location: 503 West Calhoun St. Luxora, AR

Inspector(s): A. C. & E. M.

Sample ID	Photo	Material Description	Category	Friability	Condition	Location
LMS-24-220-001	1	white 12X12 FT V/Black mastic	M	NF	7	Center of room 6 Bldg B
LMS-24-220-002	2	white 12X12 FT W/Black mastic	M	NF	8	entrance of room 17 Bldg B
LMS-24-220-003	3	white 12X12 FT V/Black mastic	M	NF	7	entrance of room 2 Bldg B
LMS-24-220-004	4	white 2X4 ceiling tile	M	F	7	North end of Hallway Bldg B
LMS-24-220-005	5	white 2X4 ceiling tile	M	F	8	South end of Hallway Bldg B
LMS-24-220-006	6	Sheetrock wall	M	NF	8	East wall of room 4 Bldg B
LMS-24-220-007	7	Sheetrock wall	M	NF	7	West wall of room 10 Bldg B
LMS-24-220-008	8	Teal transite panel under window	M	NF	8	West wall of room 5 Bldg B
LMS-24-220-009	9	Teal transite panel under window	M	NF	8	East wall of room 9 Bldg B
LMS-24-220-010	10	white Fiberglass ceiling	M	NF	7	Center of room 1 Bldg B

N=North S=South E=East W=West NE=Northeast NW=Northwest SE=Southeast SW=Southwest NS=North Side SS=South Side ES=East Side WS=West Side
Quad=Quadrant ' =foot " =inch Hz=Horizontal Pipe Run Vt=Vertical Pipe Run Ins=Insulation FG=Fiberglass Vib=Vibration w/=with Bldg=Building Rm=Room Ent=Entrance
CT=Ceiling Tile FT=Floor Tile CM=Cove Molding Blk=Black Brn=Brown Grn=Green Wht=White Ylw=Yellow Lt=Light Dk=Dark SA=Same As

Material Category: T=TSI S=Surfacing M=Miscellaneous Friability: F=Friable NF=Non-Friable Condition: Good = 8, 9, 10 Fair = 4, 5, 6, 7 Poor = 1, 2, 3

GOOD = Surfacing material has no visible damage or small amounts of damage; covering on thermal system insulation is intact or has small amounts of damage; miscellaneous materials intact; no visible debris or small amounts of debris. **FAIR** = Surfacing material has moderate but not extensive amounts of visible damage; covering on thermal system insulation is cut or torn, exposing moderate but not extensive amounts of insulation; moderate but not extensive damage to miscellaneous materials such as floor tile; moderate but not extensive amounts of visible dust and debris. **POOR** = Extensive damage to surfacing material; covering on thermal system insulation is cut or torn extensively and insulation itself is damaged; miscellaneous materials such as floor tile extensively damaged and underlying mastic exposed; extensive amounts of dust and debris.

Rev. 4/2010

OrderID: 042416662

Proj.# 3A08670

ASBESTOS INSPECTION LOG

ALTEC
ENVIRONMENTAL CONSULTING, LLCPAGE 2 of 4
DATE: 8-8-24Facility: Luxora Elementary School Address/Location: 503 West Colham St. Luxora, AKInspector(s): AC & EM

Sample ID	Photo	Material Description	Category	Friability	Condition	Location
LMS-24-220-011	11	White Fiberous ceiling	M	NF	8	Center of storage room 13 Bldg B
LMS-24-220-012	12	1/2" ^{Pipe} Brown wrap w/reflective inside/yellow fiber glass insulation (straight run/horizontal)	TSI M	F	7	North end of boiler room 12 Bldg B
LMS-24-220-013	13	1/2" white ^{Elbow} wrap w/white block insulation (Elbow vertical)	TSI	F	8	North end of boiler room 12 Bldg B
LMS-24-220-014	14	1/2" Brown pipe wrap w/reflective inside/yellow Fiber glass insulation	TSI	F	8	South end of boiler room 12 Bldg B
LMS-24-220-015	15	1/2" white elbow w/white block insulation (Elbow vertical)	TSI	F	6	South end of boiler room 12 Bldg B
LMS-24-220-016	16	Black Cove molding w/yellow Adhesive	M	NF	7	East Wall of the main hallway Bldg B
LMS-24-220-017	17	Black Cove molding w/yellow Adhesive	M	NF	8	East wall of room 3 Bldg B
LMS-24-220-018	18	* White 2x4 ceiling tile	M	F	8	NW corner of the dining Area Bldg A
LMS-24-220-019	19	white 2x4 ceiling tile	M.	F	9	North end of the Hallway Bldg A
LMS-24-220- ⁰²⁰ 019	20	white 2x4 sheet rock ceiling tile	M	NF	7	SE end of the kitchen Bldg A

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Rev. 4/2010

OrderID: 042416662

Proj.# 15A08470 **ASBESTOS INSPECTION LOG**PAGE 3 of 4
DATE: 8-8-24Facility: Luxora Elementary School
InspectionsAddress/Location: 503 West Callhoun St. Luxora, ARInspector(s): AC & EM

Sample ID	Photo	Material Description	Category	Friability	Condition	Location
LMS-24-220-021	21	White 2x4 Sheetrock ceiling tile	M	NF	7	NE end of the kitchen Bldg A
LMS-24-220-22	22	Sheetrock ceiling	M	NF	8	Center of dining Area closet Bldg A
LMS-24-220-023	23	Sheetrock ceiling	M	NF	8	Center of closet 1 Bldg A
LMS-24-220-024	24	White 12x12 FT W/BLACK mastic	M	NF	7	South end of room 2 Bldg A
LMS-24-220-025	25	White 12x12 FT W/BLACK mastic	M	NF	8	South end of Hallway Bldg A
LMS-24-220-026	26	White 12x12 FT W/BLACK mastic	M	NF	8	North end of Dining Area Bldg A
LMS-24-220-027	27	Brown cove molding w/ yellow adhesive	M	NF	9	SW corner of room 14 Bldg A
LMS-24-220-028	28	Brown cove molding w/ yellow adhesive	M	NF	8	East wall of room 1 Bldg A
LMS-24-220-029	29	Sheetrock tape and mud	M	NF	10	South wall on east end of the stage
LMS-24-220-030	30	Sheetrock tape and mud	M	NF	10	South wall on west end of the stage

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Rev. 4/2010

Proj.# JA08670

ASBESTOS INSPECTION LOG



PAGE 4 of 4
DATE: 8-8-24

Facility: Luxora Elementary School
Inspections

Address/Location: 503 West Calhoun St. Luxora AR

Inspector(s): ACXEM

Sample ID	Photo	Material Description	Category	Friability	Condition	Location
LMS-24-220-031	31	White 2x4 ceiling tile	M	F	10	South wall on east end of stage
LMS-24-220-032	32	White 2x4 ceiling tile	M	F	10	South wall on west end of stage

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Asbestos Photographs

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024**



LMS-24-220-001



LMS-24-220-002



LMS-24-220-003



LMS-24-220-004

sample contains asbestos
sample does not contain asbestos
non-asbestos containing material determined by point count analysis

LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024



LMS-24-220-005



LMS-24-220-006



LMS-24-220-007



LMS-24-220-008

sample contains asbestos

sample does not contain asbestos

non-asbestos containing material determined by point count analysis

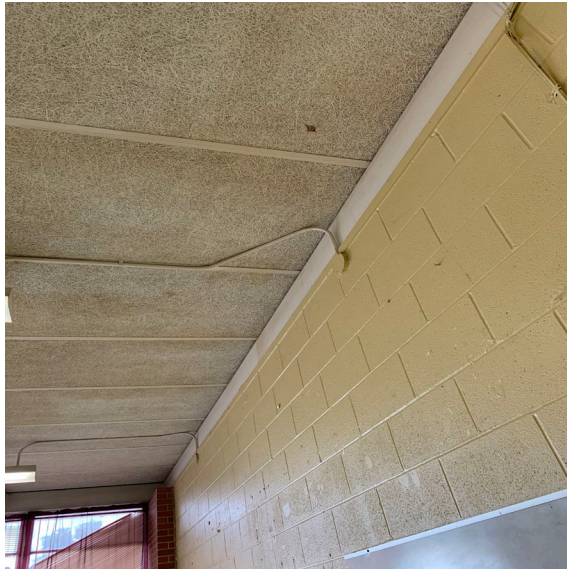
**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024**



LMS-24-220-009



LMS-24-220-010



LMS-24-220-011



LMS-24-220-012

sample contains asbestos

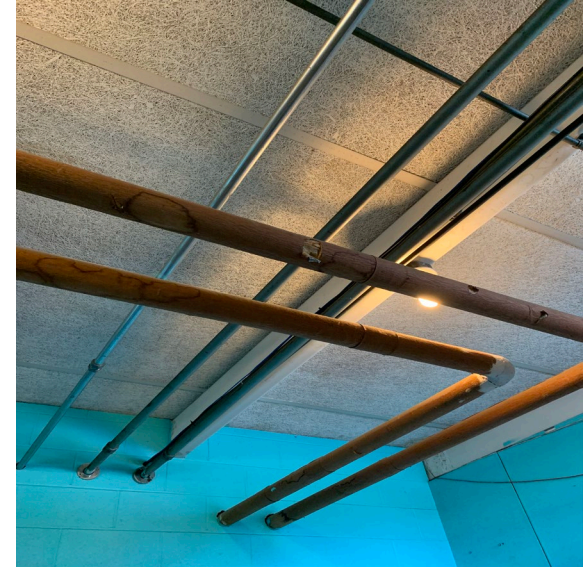
sample does not contain asbestos

non-asbestos containing material determined by point count analysis

LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024



LMS-24-220-013



LMS-24-220-014



LMS-24-220-015



LMS-24-220-016

sample contains asbestos

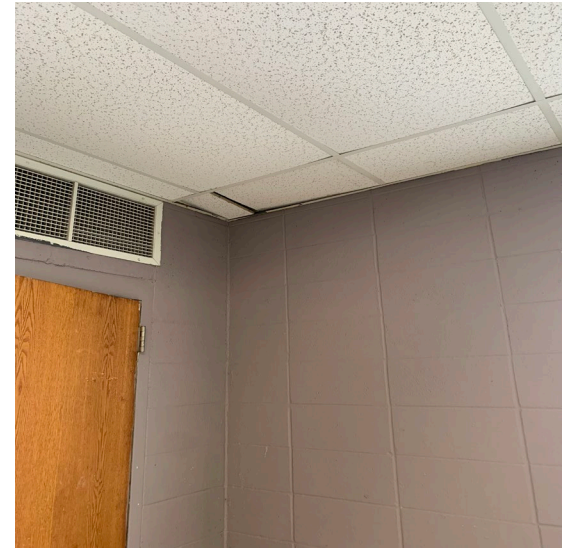
sample does not contain asbestos

non-asbestos containing material determined by point count analysis

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024**



LMS-24-220-017



LMS-24-220-018



LMS-24-220-019



LMS-24-220-020

sample contains asbestos
sample does not contain asbestos
non-asbestos containing material determined by point count analysis

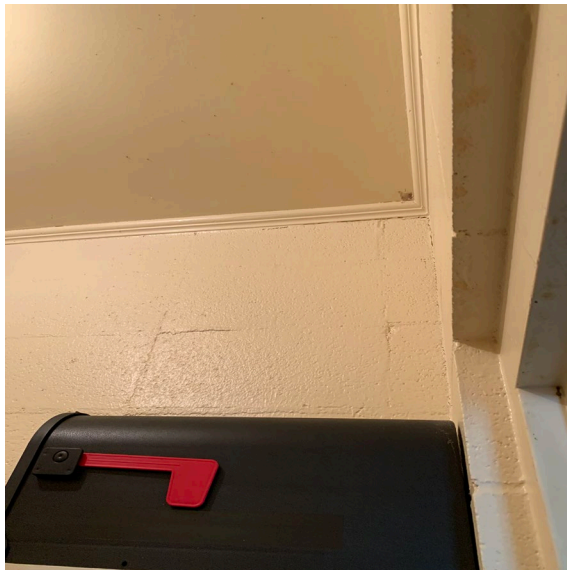
**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024**



LMS-24-220-021



LMS-24-220-022



LMS-24-220-023



LMS-24-220-024

sample contains asbestos

sample does not contain asbestos

non-asbestos containing material determined by point count analysis

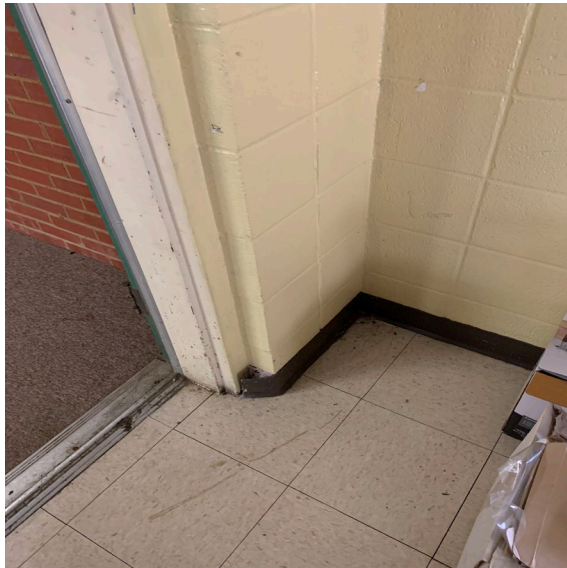
**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024**



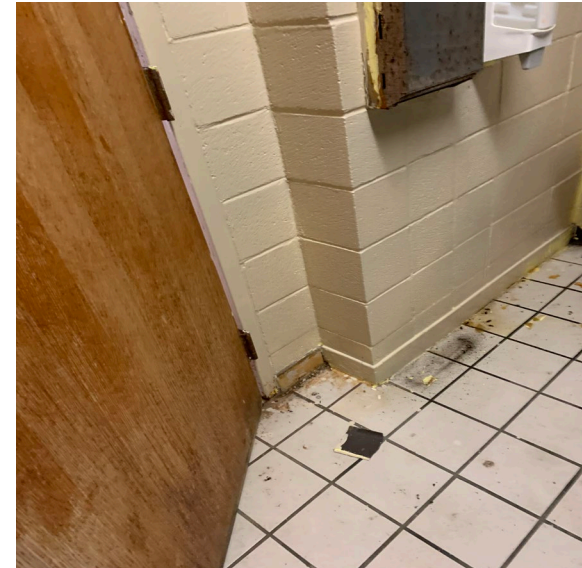
LMS-24-220-025



LMS-24-220-026



LMS-24-220-027



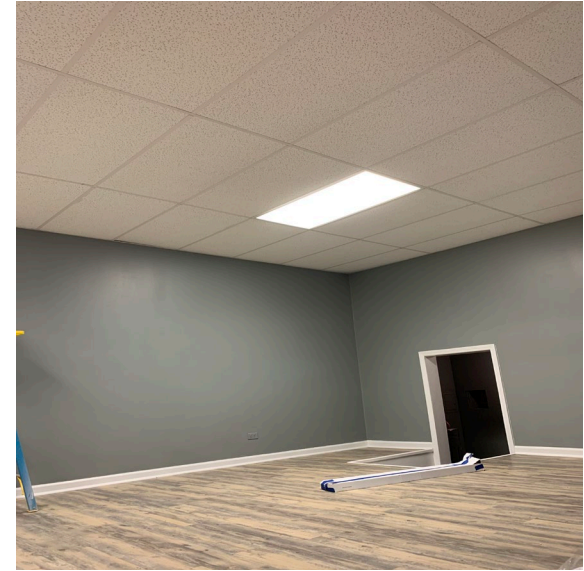
LMS-24-220-028

sample contains asbestos
sample does not contain asbestos
non-asbestos containing material determined by point count analysis

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
AUGUST 6, 2024**



LMS-24-220-029



LMS-24-220-030



LMS-24-220-031



LMS-24-220-032

sample contains asbestos

sample does not contain asbestos

non-asbestos containing material determined by point count analysis

Lead Inspection Table

Lead Inspection Results

Project Name: Luxora Elementary School

Project Location: 122 W. Calhoun St., Luxora, AR

Start Date: 8/6/2024

End Date: 8/7/2024

Lead Inspector: Adam Callender

Start Time: 07:30

End Time: 16:00

XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
1	1.2	Calibration								
2	0.9	Calibration								
3	0.9	Calibration								
4	-0.5	1	A	Wall	Center	Wall	Fair	Brick	Purple	Negative
5	0	1	B	Wall	Center	Wall	Fair	Brick	Purple	Negative
6	-0.1	1	C	Wall	Center	Wall	Fair	Brick	Purple	Negative
7	0	1	D	Wall	Center	Wall	Fair	Brick	Purple	Negative
8	-0.1	1	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	White	Negative
9	-0.2	1	Floor	Floor	Center	Floor	Poor	Tile	White	Negative
10	0.4	1	C	Wall	Center	Wall	Fair	Brick	White	Negative
11	-0.1	1	D	Door	Center	Door	Poor	Metal	Purple	Negative
12	0	1	D	Door Seal	Center	Door Seal	Poor	Metal	Purple	Negative
13	0	1	D	Door Jam	Center	Door Jam	Poor	Metal	Purple	Negative
14	0.3	1	A	Wall	Center	Wall	Fair	Brick	white	Negative
15	-0.3	1	D	Door	Center	Door	Poor	Wood	Unpainted	Negative
16	0.3	1	D	Door Seal	Center	Door Seal	Poor	Metal	Purple	Negative
17	0	1	D	Door jam	Center	Door jam	Poor	Metal	Purple	Negative
18	0	1	A	Widow Casing	Center	Window casing	Fair	Brick	Purple	Negative
19	-0.2	1	A	Window Sill	Center	Window Sill	Fair	Brick	Purple	Negative
20	-0.4	1	A	Window Sash	Center	Window Sash	Fair	Metal	Black	Negative
21	0	2	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
22	-0.3	2	B	Wall	Center	Wall	Fair	Brick	Tan	Negative
23	-0.3	2	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
24	-0.2	2	D	Wall	Center	Wall	Fair	Brick	Tan	Negative
25	-0.2	2	Ceiling	Ceiling	Center	Ceiling	Poor	Metal	White	Negative

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26	-0.2	2	Floor	Floor	center	Floor	Poor	Tile	White	Negative
27	-0.5	2	B	Window Frame	Center	Window Frame	Fair	Brick	Tan	Negative
28	0	2	B	Window Sill	Center	Window Sill	Fair	Brick	Tan	Negative
29	-0.1	2	B	Window Sash	Center	Window Sash	Fair	Metal	Black	Negative
30	-0.1	2	B	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
31	0	2	D	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
32	-0.1	2	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
33	-0.2	2	D	Door Casing	Center	Door Casing	Fair	Metal	Tan	Negative
34	-0.2	2	D	Door Jam	Center	Door jam	Fair	Metal	Tan	Negative
35	0.1	3	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
36	-0.1	3	C	Wall	center	Wall	Fair	Brick	Tan	Negative
37	-0.5	3	D	Wall	Center	Wall	Fair	Brick	Tan	Negative
38	0.5	4	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
39	0.2	4	B	Wall	Center	Wall	Fair	Brick	Tan	Negative
40	-0.2	4	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
41	-0.1	4	D	Wall	Center	Wall	Fair	Brick	Tan	Negative
42	-0.2	4	Ceiling	Ceiling	Center	Ceiling	Fair	Sheetrock	Tan	Negative
43	-0.6	4	Floor	Floor	Center	Floor	Fair	Ceramic Tile	White	Negative
44	-0.2	5	A	Wall	Center	Wall	Fair	Metal	Unpainted	Negative
45	-0.2	5	B	Wall	Center	Wall	Fair	Metal	Unpainted	Negative
46	-0.3	5	C	Wall	Center	Wall	Fair	Metal	Unpainted	Negative
47	0	5	D	Wall	Center	Wall	Fair	Metal	Unpainted	Negative
48	-0.2	5	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	Unpainted	Negative
49	0	5	Floor	Floor	Center	Floor	Fair	Metal	Unpainted	Negative
50	0.4	6	A	Wall	Center	Wall	Fair	Metal	Unpainted	Negative

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XRF Serial #1955

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Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
51	0.4	6	B	Wall	Center	Wall	Fair	Metal	Unpainted	Negative
52	-0.4	6	C	Wall	Center	Wall	Fair	Metal	Unpainted	Negative
53	-0.1	6	D	Wall	Center	Wall	Fair	Metal	Unpainted	Negative
54	0.2	6	Ceiling	Ceiling	Center	Ceiling	Fair	metal	Unpainted	Negative
55	-0.3	6	Floor	Floor	Center	Floor	Fair	Metal	Unpainted	Negative
56	0.2	2	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
57	0.3	2	B	Wall	Center	Wall	Fair	Brick	Tan	Negative
58	-0.2	2	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
59	-0.3	2	D	Wall	Center	Wall	Fair	Brick	Tan	Negative
60	0	2	Ceiling	Ceiling	Center	Ceiling	Fair	Sheetrock	Tan	Negative
61	-0.3	2	Floor	Floor	Center	Floor	Fair	Tile	white	Negative
62	-0.3	7	A	Wall	Center	Wall	Fair	Brick	Blue	Negative
63	0.1	7	B	wall	Center	Wall	Fair	Brick	Blue	Negative
64	-0.4	7	C	Wall	Center	Wall	fair	Brick	Blue	Negative
65	-0.3	7	D	wall	Center	Wall	Fair	Brick	Blue	Negative
66	-0.1	7	Ceiling	Ceiling	Center	ceiling	Fair	Metal	white	Negative
67	-0.3	7	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
68	-0.2	7	D	Window Frame	center	Window Frame	Fair	Brick	Blue	Negative
69	-0.3	7	D	Window Sill	Center	window Sill	Fair	Brick	Blue	Negative
70	-0.2	7	D	Window Sash	Center	Window Sash	fair	metal	black	Negative
71	-0.2	7	B	Door	Center	Door	Fair	wood	unpainted	Negative
72	-0.1	7	B	Door Frame	Center	Door Frame	Fair	metal	white	Negative
73	-0.3	7	B	Door Jam	Center	Door jam	Fair	Metal	white	Negative
74	-0.3	7	A	Wall	Center	Wall	Fair	Brick	White	Negative
75	-0.1	7	B	Wall	Center	Wall	Fair	Brick	White	Negative

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Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
76	-0.2	7	C	wall	Center	Wall	Fair	Brick	White	Negative
77	-0.1	7	A	Wall	Center	Wall	Fair	Brick	White	Negative
78	0	7	B	Wall	Center	Wall	Fair	Brick	White	Negative
79	0	7	C	Wall	Center	Wall	Fair	Brick	White	Negative
80	-0.6	7	D	Wall	Center	Wall	Fair	Brick	White	Negative
81	0.4	8	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	white	Negative
82	-0.3	8	D	Window Frame	Center	Window Frame	Fair	metal	black	Negative
83	-0.8	8	D	Window Sash	Center	Window Sash	Fair	Metal	black	Negative
84	-0.5	8	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
85	-0.2	8	D	Door Frame	Center	Door Frame	Fair	Metal	White	Negative
86	-0.3	8	D	Door Jam	Center	Door Jam	Fair	Metal	White	Negative
87	-0.3	8	B	Wall	Center	Wall	Fair	Brick	White	Negative
88	-0.1	8	B	Wall	Center	Wall	Fair	Brick	White	Negative
89	0.2	8	B	Wall	Center	Wall	Fair	Brick	White	Negative
90	-0.2	9	A	Wall	Center	Wall	Fair	Brick	White	Negative
91	-0.5	9	B	Wall	Center	Wall	Fair	Brick	White	Negative
92	-0.8	9	C	Wall	Center	Wall	Fair	Brick	White	Negative
93	-0.1	9	D	Wall	Center	Wall	Fair	Brick	White	Negative
94	-0.3	9	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	White	Negative
95	-0.2	9	Floor	Floor	Center	Ceiling	Fair	Tile	White	Negative
96	0.5	10	A	Wall	center	Wall	Fair	Brick	Tan	Negative
97	-0.2	10	B	Wall	Center	Wall	Fair	Brick	Tan	Negative
98	-0.6	10	D	Wall	center	Wall	Fair	Brick	Tan	Negative
99	0	10	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
100	-0.2	10	Floor	Floor	Center	Floor	Fair	Tile	White	Negative

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XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
101	-0.1	EXT	A	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
102	-0.2	EXT	B	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
103	0.6	EXT	C	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
104	-0.1	EXT	D	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
105	-0.4	EXT	A	Soffit	Center	Soffit	Fair	Metal	White	Negative
106	1.1	Calibration								
107	1	Calibration								
108	1	Calibration								
109	-0.2	10	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
110	-0.4	11	A	Wall	Center	Wall	Fair	Brick	white	Negative
111	-0.1	11	B	Wall	Center	Wall	Fair	Brick	white	Negative
112	-0.3	11	C	Wall	Center	Wall	Fair	Brick	white	Negative
113	-0.5	11	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
114	-0.4	11	D	Door Jam	Center	Door Jam	Fair	Metal	white	Negative
115	0.2	11	D	Door Jam	Center	Door Jam	Fair	Metal	white	Negative
116	-0.4	12	A	Wall	Center	Wall	Fair	Brick	Blue	Negative
117	-0.1	12	B	Wall	Center	Wall	Fair	Brick	Blue	Negative
118	-0.4	12	C	Wall	Center	Wall	Fair	Brick	Blue	Negative
119	-0.1	12	D	Wall	Center	Wall	Fair	Brick	Blue	Negative
120	-0.4	12	D	Door	Center	Door	Fair	wood	Unpainted	Negative
121	-0.2	12	D	Door Frame	Center	Door Frame	Fair	Metal	White	Negative
122	-0.2	12	D	Door Jam	Center	Door Jam	Fair	Metal	White	Negative
123	-0.3	13	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
124	-0.2	13	B	Wall	Center	Wall	Fair	Brick	Tan	Negative
125	-0.2	13	C	Wall	Center	Wall	Fair	Brick	Tan	Negative

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XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
126	-0.2	13	D	Wall	Center	Wall	Fair	Brick	Tan	Negative
127	-0.2	13	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
128	-0.2	13	D	Door Frame	Center	Door Frame	Fair	Metal	Tan	Negative
129	-0.1	13	D	Door Jam	Center	Door Jam	Fair	Metal	Tan	Negative
130	-0.3	14	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
131	-0.2	14	B	Wall	Center	Wall	Fair	Brick	Tan	Negative
132	-0.4	14	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
133	0.1	14	D	Wall	Center	Wall	Fair	Brick	Tan	Negative
134	-0.2	14	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
135	-0.3	14	D	Door Frame	Center	Door Frame	Fair	Metal	Tan	Negative
136	-0.3	14	D	Door Jam	Center	Door Jam	Fair	Metal	Tan	Negative
137	-2	11	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	white	Negative
138	-0.4	11	Floor	Floor	Center	Floor	Fair	Tile	white	Negative
139	-0.5	12	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	white	Negative
140	-0.5	12	Floor	Floor	Center	Floor	Fair	Tile	white	Negative
141	-0.1	13	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	white	Negative
142	-0.2	13	Floor	Floor	Center	Floor	Fair	Ceramic Tile	Grey	Negative
143	-0.7	14	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	white	Negative
144	-0.2	14	Floor	Floor	Center	Floor	Fair	Ceramic Tile	Grey	Negative
145	-0.1	15	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
146	0.2	15	B	Wall	Center	Wall	Fair	Brick	Tan	Negative
147	-0.2	15	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
148	0	15	D	Wall	Center	Wall	Fair	Brick	Tan	Negative
149	-0.3	15	Ceiling	Ceiling	center	Ceiling	Fair	Metal	White	Negative
150	-0.4	15	Floor	Floor	Center	Floor	Fair	Tile	white	Negative

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XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
151	-0.1	15	C	Window Frame	center	Window Frame	Fair	Brick	Tan	Negative
152	-0.1	15	C	Window sill	Center	Window Sill	Fair	Metal	black	Negative
153	-0.5	15	C	Window Sash	center	Window Sash	Fair	Metal	black	Negative
154	-0.4	15	B	Door	Center	Door	Fair	Wood	Unpainted	Negative
155	-0.1	15	B	Door Frame	center	Door Frame	Fair	metal	Tan	Negative
156	-0.3	15	B	Door Jam	Center	Door Jam	Fair	Metal	Tan	Negative
157	-0.5	16	A	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
158	-0.6	16	B	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
159	-0.2	16	C	Wall	Center	Wall	fair	brick	Unpainted	Negative
160	-0.6	16	D	Wall	center	Wall	fair	brick	Unpainted	Negative
161	-0.4	16	Ceiling	Ceiling	Center	Ceiling	fair	Metal	White	Negative
162	-0.3	EXT	Overhang Sup	Overhang Sup	Center	Overhang Sup	fair	Concrete	White	Negative
163	-0.1	EXT	Overhang Sup	Overhang Sup	Center	Overhang Sup	fair	Concrete	White	Negative
164	-0.1	EXT	Overhang	Overhang	Center	Overhang	fair	Vinyl	White	Negative
165	0.1	EXT	Soffit	Soffit	Center	Soffit	fair	Metal	White	Negative
166	0.7	17	A	Wall	Center	Wall	fair	Brick	Unpainted	Negative
167	-0.3	17	B	Wall	Center	Wall	fair	Concrete	Purple	Negative
168	-0.2	17	C	Wall	Center	Wall	fair	Brick	purple	Negative
169	0.2	17	D	Wall	Center	Wall	fair	Sheetrock	Purple	Negative
170	-0.4	17	Ceiling	Ceiling	Center	Ceiling	fair	Metal	White	Negative
171	-0.2	17	D	Door	Center	Door	Fair	metal	White	Negative
172	-0.3	17	D	Door Frame	Center	Door Frame	Fair	metal	White	Negative
173	-1.1	17	D	Door Jam	Center	Door Jam	Fair	metal	White	Negative
174	-0.3	18	A	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
175	-0.3	18	B	Wall	Center	Wall	Fair	Sheetrock	yellow	Negative

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XRF Serial #1955

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176	-0.2	18	C	Wall	Center	Wall	Fair	Brick	Yellow	Negative
177	-0.4	18	D	Wall	Center	Wall	Fair	Metal	Yellow	Negative
178	-0.3	18	Ceiling	ceiling	Center	ceiling	Fair	Metal	Yellow	Negative
179	-0.2	18	Floor	Floor	center	Floor	fair	Tile	White	Negative
180	-0.3	18	B	Door	Center	Door	Fair	Wood	White	Negative
181	0	18	B	Door Frame	Center	Door Frame	Fair	Wood	white	Negative
182	-0.1	18	B	Door jam	Center	Door Jam	Fair	Wood	White	Negative
183	-0.4	19	A	Wall	Center	Wall	Good	brick	Yellow	Negative
184	-0.6	19	B	Wall	Center	Wall	Good	Sheetrock	yellow	Negative
185	-0.5	19	C	Wall	Center	Wall	Good	Brick	Yellow	Negative
186	-0.4	19	D	Wall	Center	Wall	Good	metal	yellow	Negative
187	-0.2	19	Ceiling	ceiling	Center	ceiling	Good	Metal	White	Negative
188	-0.3	19	Floor	Floor	center	Floor	Good	Tile	White	Negative
189	-0.3	19	B	Door	Center	Door	Good	wood	Red	Negative
190	-0.3	19	B	Door Frame	Center	Door Frame	Good	Wood	White	Negative
191	-0.2	19	B	Door Jam	Center	Door Jam	Fair	Wood	White	Negative
192	-0.2	20	A	Wall	Center	Wall	Fair	Brick	Purple	Negative
193	-0.3	20	B	Wall	Center	Wall	Fair	Sheetrock	Purple	Negative
194	-0.3	20	C	Wall	Center	Wall	Fair	brick	Yellow	Negative
195	-0.5	20	D	Wall	Center	Wall	Fair	metal	Purple	Negative
196	0	20	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
197	-0.4	20	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
198	-0.2	20	B	Door	Center	Door	Fair	Wood	Unpainted	Negative
199	-0.2	20	B	Door Frame	Center	Door Frame	Fair	Wood	White	Negative
200	-0.3	20	B	Door jam	Center	Door Jam	Fair	Wood	White	Negative

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201	-0.3	21	A	Wall	Center	Wall	Fair	Brick	White	Negative
202	-0.4	21	B	Wall	Center	Wall	Fair	Brick	Blue	Negative
203	-0.2	21	C	Wall	Center	Wall	Fair	brick	Blue	Negative
204	-0.4	21	D	Wall	Center	Wall	Fair	metal	white	Negative
205	-0.1	21	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
206	-0.2	21	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
207	-0.5	21	D	Door	Center	Door	Fair	Wood	unpainted	Negative
208	-0.5	21	D	Door Frame	Center	Door Frame	Fair	Wood	White	Negative
209	-0.3	21	D	Door jam	Center	Door Jam	Fair	Wood	White	Negative
210	0.9	Calibration								
211	0.9	Calibration								
212	1	Calibration								
213	0	22	A	Wall	Center	Wall	Fair	Brick	White	Negative
214	-0.1	22	B	Wall	Center	Wall	Fair	Metal	White	Negative
215	-0.2	22	C	Wall	Center	Wall	Fair	brick	White	Negative
216	-0.1	22	D	Wall	Center	Wall	Fair	brick	White	Negative
217	-0.1	22	Ceiling	Ceiling	Center	Ceiling	Fair	metal	Pink	Negative
218	-0.4	22	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
219	-0.2	22	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
220	0	22	D	Door Frame	Center	Door Frame	Fair	Wood	White	Negative
221	-0.1	22	D	Door jam	Center	Door Jam	Fair	Wood	White	Negative
222	-0.2	23	A	Wall	Center	Wall	Fair	Brick	Pink	Negative
223	-0.4	23	B	Wall	Center	Wall	Fair	Brick	Pink	Negative
224	-0.2	23	C	Wall	Center	Wall	Fair	brick	Pink	Negative
225	-0.1	23	D	Wall	Center	Wall	Fair	Brick	Pink	Negative

Lead Inspection Results

Project Name: Luxora Elementary School

Project Location: 122 W. Calhoun St., Luxora, AR

Start Date: 8/6/2024

End Date: 8/7/2024

Lead Inspector: Adam Callender

Start Time: 07:30

End Time: 16:00

XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
226	-0.3	23	Ceiling	Ceiling	Center	Ceiling	Fair	metal	Pink	Negative
227	0.2	23	Floor	Floor	Center	Floor	Fair	Tile	Grey	Negative
228	-0.2	23	A	Door	Center	Door	Fair	Wood	Unpainted	Negative
229	-0.2	23	A	Door Frame	Center	Door Frame	Fair	Wood	Pink	Negative
230	-0.3	23	A	Door jam	Center	Door Jam	Fair	Wood	Pink	Negative
231	-0.1	24	A	Wall	Center	Wall	Fair	Brick	Green	Negative
232	-0.6	24	B	Wall	Center	Wall	Fair	Brick	Green	Negative
233	-0.1	24	C	Wall	Center	Wall	Fair	brick	Green	Negative
234	-0.2	24	D	Wall	Center	Wall	Fair	Sheetrock	Green	Negative
235	-0.2	24	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
236	0.1	24	Floor	Floor	Center	Floor	Fair	Tile	Grey	Negative
237	-0.2	24	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
238	-0.4	24	D	Door Frame	Center	Door Frame	Fair	Wood	White	Negative
239	-0.4	24	D	Door jam	Center	Door Jam	Fair	Wood	White	Negative
240	-0.5	25	A	Wall	Center	Wall	Fair	Brick	Grey	Negative
241	-0.2	25	B	Wall	Center	Wall	Fair	Brick	Grey	Negative
242	-0.3	25	C	Wall	Center	Wall	Fair	brick	Grey	Negative
243	-0.4	25	D	Wall	Center	Wall	Fair	Brick	Grey	Negative
244	-0.3	25	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
245	-0.1	25	Floor	Floor	Center	Floor	Fair	Concrete	Grey	Negative
246	-0.1	25	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
247	-0.1	25	D	Door Frame	Center	Door Frame	Fair	Wood	White	Negative
248	-0.3	25	D	Door jam	Center	Door Jam	Fair	Wood	White	Negative
249	-0.2	26	A	Wall	Center	Wall	Fair	Brick	Grey	Negative
250	-0.6	26	B	Wall	Center	Wall	Fair	Brick	Grey	Negative

Lead Inspection Results

Project Name: Luxora Elementary School

Project Location: 122 W. Calhoun St., Luxora, AR

Start Date: 8/6/2024

End Date: 8/7/2024

Lead Inspector: Adam Callender

Start Time: 07:30

End Time: 16:00

XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
251	-0.5	26	C	Wall	Center	Wall	Fair	Sheetrock	Grey	Negative
252	-0.2	26	D	Wall	Center	Wall	Fair	Sheetrock	Grey	Negative
253	-0.1	26	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
254	-0.2	26	Floor	Floor	Center	Floor	Fair	Concrete	Grey	Negative
255	-0.3	26	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
256	-0.4	26	D	Door Frame	Center	Door Frame	Fair	Wood	white	Negative
257	-0.1	26	D	Door jam	Center	Door Jam	Fair	Wood	white	Negative
258	0	27	A	Wall	Center	Wall	Fair	Brick	Blue	Negative
259	-0.1	27	B	Wall	Center	Wall	Fair	Brick	Blue	Negative
260	0.1	27	C	Wall	Center	Wall	Fair	Sheetrock	Blue	Negative
261	-0.5	27	D	Wall	Center	Wall	Fair	Sheetrock	Blue	Negative
262	-0.1	27	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
263	-0.4	27	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
264	0.2	27	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
265	-0.2	27	D	Door Frame	Center	Door Frame	Fair	Wood	White	Negative
266	-0.2	27	D	Door jam	Center	Door Jam	Fair	Wood	White	Negative
267	-0.3	28	A	Wall	Center	Wall	Fair	Brick	Blue	Negative
268	-0.4	28	B	Wall	Center	Wall	Fair	Brick	Blue	Negative
269	-0.2	28	C	Wall	Center	Wall	Fair	brick	Blue	Negative
270	-0.2	28	D	Wall	Center	Wall	Fair	Sheetrock	blue	Negative
271	-0.1	28	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	White	Negative
272	-0.4	28	Floor	Floor	Center	Floor	Fair	Concrete	Unpainted	Negative
273	-0.3	28	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
274	-0.5	28	D	Door Frame	Center	Door Frame	Fair	Wood	White	Negative
275	-0.4	28	D	Door jam	Center	Door Jam	Fair	Wood	White	Negative

Lead Inspection Results

Project Name: Luxora Elementary School

Project Location: 122 W. Calhoun St., Luxora, AR

Start Date: 8/6/2024

End Date: 8/7/2024

Lead Inspector: Adam Callender

Start Time: 07:30

End Time: 16:00

XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
276	0.2	29	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
277	-0.2	29	B	Wall	Center	Wall	Fair	Metal	Purple	Negative
278	-0.2	29	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
279	-0.5	29	D	Wall	Center	Wall	Fair	Sheetrock	Tan	Negative
280	0	29	Ceiling	Ceiling	Center	Ceiling	Fair	Metal	White	Negative
281	-0.3	29	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
282	-0.1	29	D	Side Panel	Center	Side panel	Fair	metal	Tan	Negative
283	-0.3	29	D	Locker Door	Center	Locker door	Fair	metal	Purple	Negative
284	0	29	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
285	-0.4	29	D	Door Frame	Center	Door frame	Fair	Wood	White	Negative
286	-0.2	29	D	Door Jam	Center	Door jam	Fair	Wood	White	Negative
287	-0.4	30	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
288	-0.3	30	B	Wall	Center	Wall	Fair	Metal	Tan	Negative
289	-0.3	30	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
290	-0.1	30	D	Wall	Center	Wall	Fair	Sheetrock	Tan	Negative
291	-0.3	30	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
292	-0.2	30	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
293	-0.2	30	D	Side Panel	Center	Side panel	Fair	metal	Brown	Negative
294	-0.3	30	D	Locker Door	Center	Locker door	Fair	metal	Brown	Negative
295	-0.1	30	D	Door	Center	Door	Fair	Wood	Yellow	Negative
296	-0.5	30	D	Door Frame	Center	Door frame	Fair	Wood	White	Negative
297	-0.3	30	D	Door Jam	Center	Door jam	Fair	Wood	White	Negative
298	-0.2	31	A	Wall	Center	Wall	Fair	Brick	Blue	Negative
299	-0.1	31	B	Wall	Center	Wall	Fair	Metal	Blue	Negative
300	0.1	31	C	Wall	Center	Wall	Fair	Brick	Unpainted	Negative

Lead Inspection Results

Project Name: Luxora Elementary School

Project Location: 122 W. Calhoun St., Luxora, AR

Start Date: 8/6/2024

End Date: 8/7/2024

Lead Inspector: Adam Callender

Start Time: 07:30

End Time: 16:00

XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
301	-0.3	31	D	Wall	Center	Wall	Fair	Sheetrock	Blue	Negative
302	-0.2	31	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
303	-0.3	31	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
304	-0.3	31	D	Side Panel	Center	Side panel	Fair	metal	Blue	Negative
305	-0.1	31	D	Locker Door	Center	Locker door	Fair	metal	Blue	Negative
306	-0.1	31	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
307	-0.1	31	D	Door Frame	Center	Door frame	Fair	Wood	Blue	Negative
308	-0.2	31	D	Door Jam	Center	Door jam	Fair	Wood	Blue	Negative
309	-0.2	32	A	Wall	Center	Wall	Fair	Brick	Yellow	Negative
310	-0.5	32	B	Wall	Center	Wall	Fair	Sheetrock	Brick	Negative
311	-0.4	32	C	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
312	-0.7	32	D	Wall	Center	Wall	Fair	Metal	Yellow	Negative
313	-0.2	32	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
314	-0.4	32	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
315	-0.2	32	B	Side Panel	Center	Side panel	Fair	metal	Yellow	Negative
316	-0.2	32	B	Locker Door	Center	Locker door	Fair	metal	Yellow	Negative
317	-0.2	32	B	Door	Center	Door	Fair	Wood	Green	Negative
318	-0.2	32	B	Door Frame	Center	Door frame	Fair	Wood	Yellow	Negative
319	-0.1	32	B	Door Jam	Center	Door jam	Fair	Wood	Yellow	Negative
320	0.9	Calibration								
321	1	Calibration								
322	1	Calibration								
323	-0.2	33	A	Wall	Center	Wall	Fair	Brick	White	Negative
324	-0.2	33	B	Wall	Center	Wall	Fair	Sheetrock	White	Negative
325	0	33	C	Wall	Center	Wall	Fair	Brick	White	Negative

Lead Inspection Results

Project Name: Luxora Elementary School

Project Location: 122 W. Calhoun St., Luxora, AR

Start Date: 8/6/2024

End Date: 8/7/2024

Lead Inspector: Adam Callender

Start Time: 07:30

End Time: 16:00

XRF Serial #1955

Project No. SA08670

Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
326	-0.4	33	D	Wall	Center	Wall	Fair	Metal	White	Negative
327	-0.3	33	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
328	-0.4	33	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
329	-0.4	33	D	Side Panel	Center	Side panel	Fair	metal	White	Negative
330	-0.3	33	D	Locker Door	Center	Locker door	Fair	metal	White	
331	0	33	D	Door	Center	Door	Fair	Wood	Blue	Negative
332	-0.4	33	D	Door Frame	Center	Door frame	Fair	Wood	White	Negative
333	-0.4	33	D	Door Jam	Center	Door jam	Fair	Wood	White	Negative
334	-0.4	34	A	Wall	Center	Wall	Fair	Brick	Tan	Negative
335	-0.5	34	B	Wall	Center	Wall	Fair	Sheetrock	Tan	Negative
336	-0.1	34	C	Wall	Center	Wall	Fair	Brick	Tan	Negative
337	-0.2	34	D	Wall	Center	Wall	Fair	Metal	Tan	Negative
338	-0.2	34	Ceiling	Ceiling	Center	Ceiling	Fair	metal	White	Negative
339	-0.9	34	Floor	Floor	Center	Floor	Fair	Tile	White	Negative
340	-0.5	34	D	Side Panel	Center	Side panel	Fair	metal	tan	Negative
341	-0.2	34	D	Locker Door	Center	Locker door	Fair	metal	Tan	Negative
342	-0.3	34	D	Door	Center	Door	Fair	Wood	Unpainted	Negative
343	-0.4	34	D	Door Frame	Center	Door frame	Fair	Wood	White	Negative
344	-0.5	34	D	Door Jam	Center	Door jam	Fair	Wood	White	Negative
345	-0.1	35	A	Wall	Center	Wall	Fair	Sheetrock	Tan	Negative
346	-0.3	35	B	Wall	Center	Wall	Fair	Sheetrock	Tan	Negative
347	-0.4	35	C	Wall	Center	Wall	Fair	Sheetrock	Tan	Negative
348	-0.4	35	D	Wall	Center	Wall	Fair	Sheetrock	Tan	Negative
349	-0.1	EXT	Soffit	Soffit	Center	Soffit	Fair	Metal	White	Negative
350	-0.1	EXT	Soffit Sup	Soffit Sup	Center	Soffit Sup	Fair	Metal	White	Negative

Lead Inspection Results

Project Name: Luxora Elementary School

Project Location: 122 W. Calhoun St., Luxora, AR

Start Date: 8/6/2024

End Date: 8/7/2024

Lead Inspector: Adam Callender

Start Time: 07:30

End Time: 16:00

XRF Serial #1955

Project No. SA08670

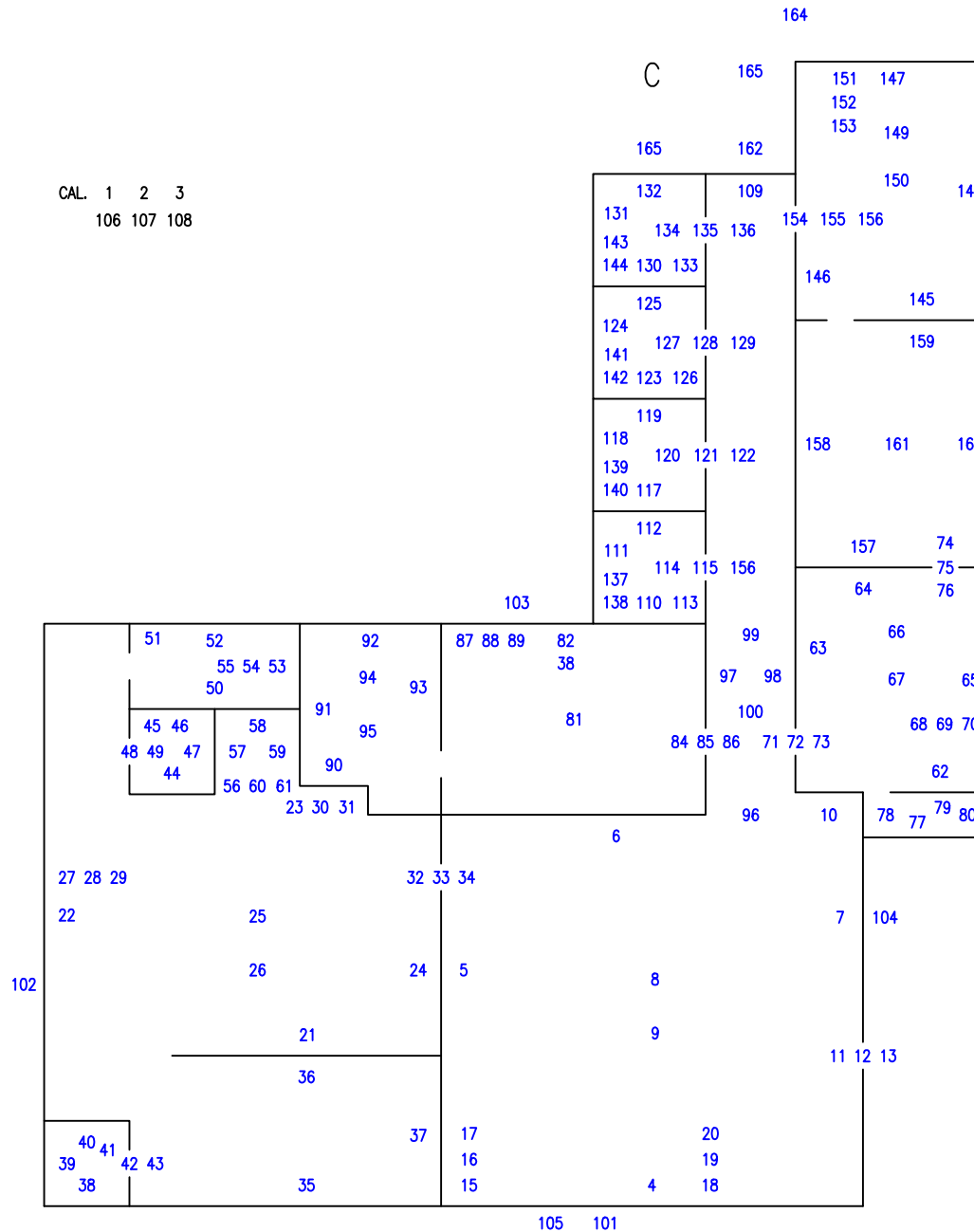
Reading No.	XRF Result (mg/cm ²)/(%)	Room Number	Wall Orientation	Component	Component Location	Component Information	Condition	Substrate	Color	Classification
351	-0.3	EXT	Wind panel	Wind panel	Center	Wind panel	Fair	Metal	Teal	Negative
352	-0.3	EXT	Soffit	Soffit	Center	Soffit	Fair	Metal	White	Negative
353	-0.3	EXT	Soffit Sup	Soffit Sup	Center	Soffit Sup	Fair	Metal	White	Negative
354	-0.2	EXT	Wind panel	Wind panel	Center	Wind panel	Fair	Metal	Teal	Negative
355	-0.2	EXT	A	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
356	-0.4	EXT	B	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
357	-0.3	EXT	C	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
358	-0.3	EXT	D	Wall	Center	Wall	Fair	Brick	Unpainted	Negative
359	1	Calibration								
360	1.1	Calibration								
361	1.1	Calibration								
362	0.9	Calibration								
363	0.8	Calibration								
364	1.1	Calibration								
365	-0.1	36	A	Wall	Center	Wall	Good	Sheetrock	Grey	Negative
366	-0.2	36	B	Wall	Center	Wall	Good	Sheetrock	Grey	Negative
367	-0.3	36	C	Wall	Center	Wall	Good	Sheetrock	Grey	Negative
368	-0.3	36	D	Wall	Center	Wall	Good	Sheetrock	Grey	Negative
369	-0.5	36	D	Baseboard	Center	Baseboard	Good	Wood	White	Negative
370	0.9	Calibration								
371	1	Calibration								
372	0.8	Calibration								

Lead Sample Location Drawing (s)



CAL. 1 2 3
106 107 108

B



A

TITLE

BUILDING A
LEAD SHOT
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND



PROJECT NO. SCALE

SA08670 NTS

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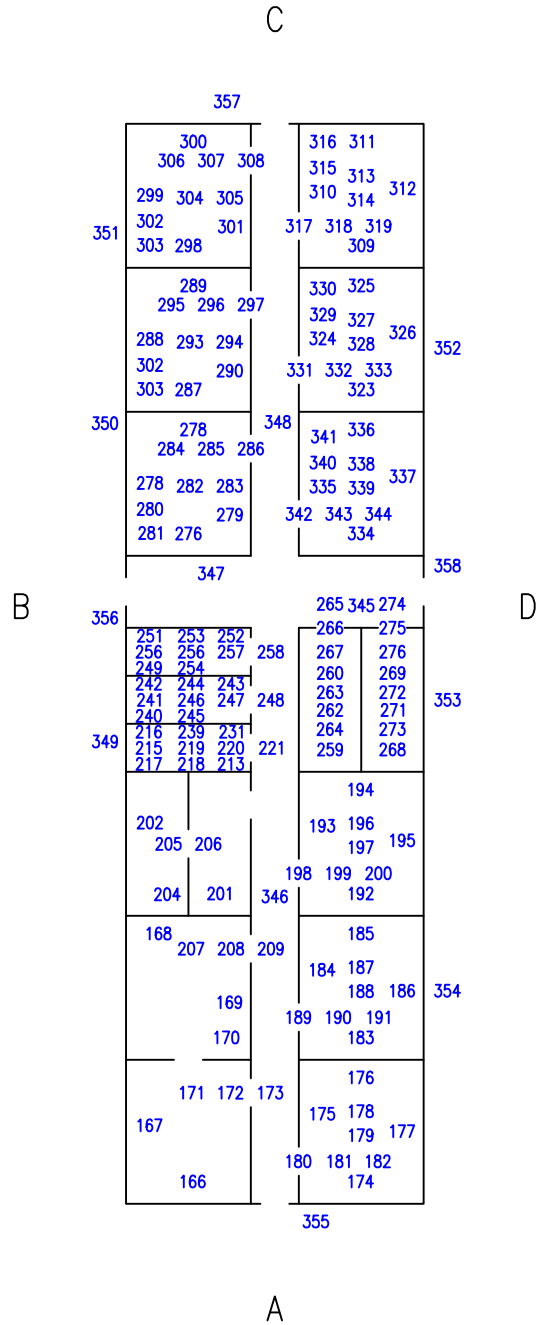
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SHEET DATE

A - 8.5" X 11" 08/15/24



CAL. 210 211 212
320 321 322
359 360 361



TITLE

BUILDING B
LEAD SHOT
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND



PROJECT NO. SCALE

SA08670 NTS

PAGE DRAWN BY

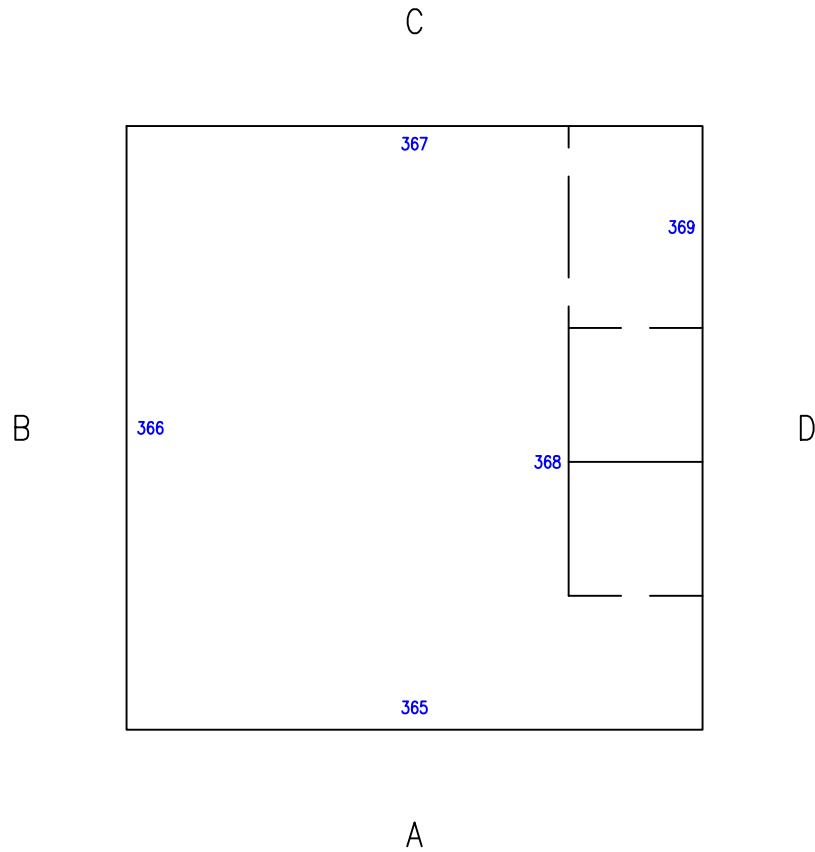
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SHEET DATE

A - 8.5" X 11" 08/15/24



CAL. 362 363 363
370 371 372



TITLE

BUILDING C
LEAD SHOT
SAMPLE LOCATIONS

LOCATION

LUXORA ELEMENTARY SCHOOL
406 WASHINGTON AVE
LUXORA, ARKANSAS

LEGEND



PROJECT NO.	SCALE
SA08670	NTS
PAGE	DRAWN BY
1	BB
SHEET	DATE
A - 8.5" X 11"	08/15/24

BUILDING A
REFERENCE PHOTOGRAPHS

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING A – REFERENCE PHOTOGRAPHS**



001



002



003



004

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING A – REFERENCE PHOTOGRAPHS**



005



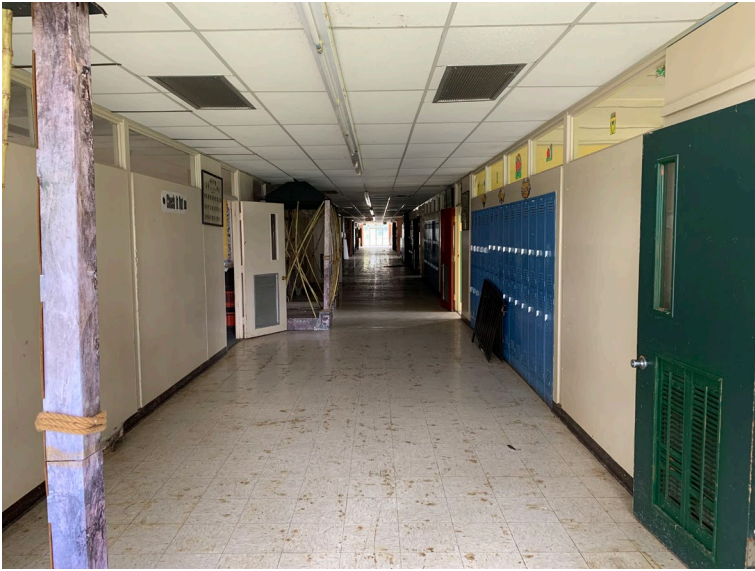
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007

BUILDING B
REFERENCE PHOTOGRAPHS

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING B – REFERENCE PHOTOGRAPHS**



001



002



003



004

**BUILDING B
(BOILER ROOM)
REFERENCE PHOTOGRAPHS**

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING B (BOILER ROOM) – REFERENCE PHOTOGRAPHS**



001



002



003



004

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING B (BOILER ROOM) – REFERENCE PHOTOGRAPHS**



005

**BUILDING B
(TRANSITE)**

REFERENCE PHOTOGRAPHS

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING B (TRANSITE PANELS) – REFERENCE PHOTOGRAPHS**



001



002

BUILDING C
REFERENCE PHOTOGRAPHS

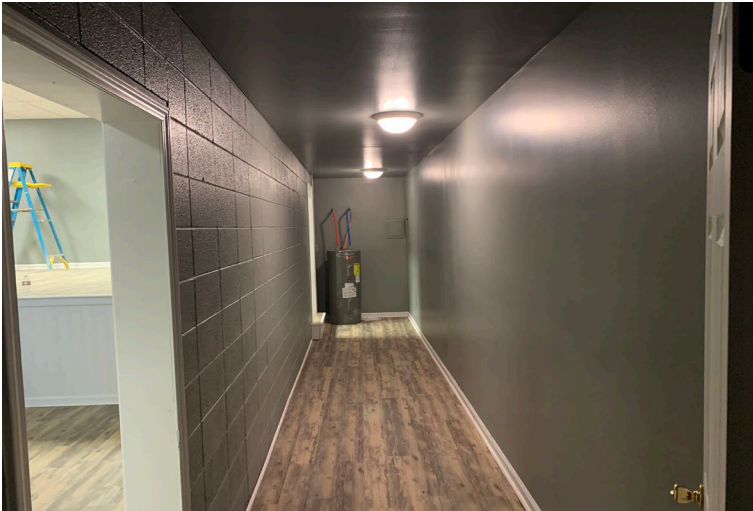
**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING C – REFERENCE PHOTOGRAPHS**



001



002



003



004

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING C – REFERENCE PHOTOGRAPHS**



005



006



007



008

**LUXORA ELEMENTARY SCHOOL
122 W. CALHOUN ST., LUXORA, AR
BUILDING C – REFERENCE PHOTOGRAPHS**



009



010

Certifications

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM



ADAM CALLENDER

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.....	11/30/2024
Contractor/Sup	11/30/2024
Air Monitor	11/30/2024



A handwritten signature in black ink, reading 'Caleb J. Osborne', positioned above the official title.

Caleb J. Osborne

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

Certification Number: 017814

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM



EDWARD MYERS

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.....	03/31/2025
Contractor/Sup	03/31/2025



A handwritten signature in black ink, appearing to read 'Caleb J. Osborne', positioned above the official title.

Caleb J. Osborne

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

Certification Number: 018721

ARKANSAS DIVISION OF ENVIRONMENTAL QUALITY

ASBESTOS PROGRAM



ROBERT B. RAINES III

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
Mgmt Planner	11/30/2024
Contractor/Sup	11/30/2024
Proj Designer	03/31/2025



Certification Number: 012413

A handwritten signature in black ink, appearing to read "Caleb J. Osborne".

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



State of Arkansas Department of Health



Adam Callender

having satisfied the requirements necessary to meet the provisions of TSCA Title IV and the Arkansas Board of Health's Rules Pertaining to Lead-Based Paint Activities and is hereby certified in the State of Arkansas in the discipline(s) of Lead

Inspector

Certificate Number: 000381

Issue Date: December 14, 2023

Expire Date: December 14, 2024

A handwritten signature in blue ink, reading "Holly Whitaker".

Lead-Based Paint Program Coordinator



State of Arkansas
Department of Health



Robert B. Raines, III

having satisfied the requirements necessary to meet the provisions of TSCA Title IV and the Arkansas Board of Health's Rules Pertaining to Lead-Based Paint Activities and is hereby certified in the State of Arkansas in the discipline(s) of Lead

Supervisor
Certificate Number: 000354

Issue Date: May 18, 2024

Expire Date: May 18, 2025

A handwritten signature in blue ink, reading "Lori Simmons".

Lead-Based Paint Program Coordinator

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101048-0

EMSL Analytical, Inc.

Cinnaminson, NJ

*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 Communiqué on ISO/IEC 17025).*

2024-07-01 through 2025-06-30

Effective Dates



A handwritten signature in blue ink, reading "Dana S. Laman".

For the National Voluntary Laboratory Accreditation Program

APPENDIX C

References

ANSI Z88, latest edition. *American National Standard for Respiratory Protection*.

ASTM. 2019. ASTM E1903-19. Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process.

ASTM E2356-14. *Standard Practice for Comprehensive Building Asbestos Surveys*.

Arkansas Pollution Control and Ecology Commission, Regulation No. 21 Arkansas Asbestos Abatement Regulation. August 28, 2015.

Arkansas State Board of Health. Rules Pertaining to Lead-Based Paint Activities. Promulgated Under the Authority of A.C.A Section 20-27-2501 *et seq.* September 27, 2021.

EPA. 2006. Guidance on Systematic Planning Using the Data Quality Objectives Process (QA/G-4) (EPA/240/B-06/001) February 2006.

EPA. 2019. Hazard Standards for Lead in Paint, Dust and Soil. <https://www.epa.gov/lead/hazard-standards-lead-paint-dust-and-soil-tsca-section-403>

EPA. 2023. IT/IM Directive Standard. Quality Assurance Project Plan Standard. March 2023.

EPA. Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP), EPA regulation 40 CFR Part 61, latest edition.

Es2. 2024. Phase I Environmental Site Assessment, Luxora Elementary School, 406 Washington Avenue, Luxora, Arkansas 72358. April 2024.

Housing and Urban Development (HUD). 2012. Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing.
https://www.hud.gov/program_offices/healthy_homes/lbp/hudguidelines

NIOSH/OSHA/USCG/EPA - "Occupational; Safety & Health Guidance Manual for Hazardous Waste Site Activities", Section 8-20; Heat Stress and Other.

U.S Occupational Safety and Health Administration (OSHA). Final Rules Title 29, Part 1910, Section 1001 of the Code of Federal Regulations (CFR).

OSHA. Construction Industry Standards. Final Rules Title 29, Part 1926, Section 1101 of the CFR.

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