ASBESTOS ABATEMENT SCOPE OF WORK

FOR THE FORMER EDON SCHOOL

309 WEST INDIANA STREET, EDON, OH

Prepared For:

Williams County Land Reutilization Corporation
One Courthouse Square
Bryan, Ohio 43503

Prepared By:

Tetra Tech, Inc.
250 West Court Street, Suite 200W
Cincinnati, Ohio 45202
(513) 241-0149

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1.0 INTRODUCTION

Tetra Tech Inc. (Tetra Tech) has been tasked by the Williams County Land Reutilization Corporation (WCLRC) to develop a Scope of Work (SOW) for removal of hazardous materials and abatement of asbestos-containing materials (ACM) identified by Tetra Tech in the asbestos survey report, dated April 2022 (Tetra Tech 2022) for the Former Edon School Building located at 309 West Indiana Street, Edon, Ohio (Subject Property), see Figures 1 and 2.

This SOW provides a brief description of the Subject Property and its history, as summary of the prior ACM work, an explanation of the Bidding Process (Section 2.0), Safety (Section 3.0), Asbestos Abatement (Section 4.0), Hazardous Materials (Section 5.0), Final Reports (Section 6.0) and References (Section 7.0).

Note that the attached tables provide details about the ACM present, Appendix A is the required Bid Form, and Appendix B is the Pre-Demolition Asbestos Survey Report.

1.1 SUBJECT PROPERTY DESCRIPTION AND HISTORY

The Subject Property currently has one structure present, which is a 74,502-square foot former school building that includes two floors and a basement. The building is currently not in use and is in poor condition. The Williams County Auditor indicates the building was constructed in 1940 with two additions; one addition has an unknown construction date while the second was constructed in 1998. Interior finishes include carpet, vinyl floor tile, plaster walls, and ceiling tiles. The roof includes a flat roof with rubber overlay. A paved parking area is present on the north side of the school. Due to the varying ages of the building's original construction and two additions, they were separated out during sampling into the following: Building 1 (1940 construction), Building 2 (constructed sometime between Buildings 1 and 3), and Building 3 (1998 construction). The entire building consists of one floor of classrooms, with a small second floor present in Building 1. Building outlines are presented on Figures 3 – 5 of the attached Pre-Demolition Asbestos Survey Report (Appendix B).

1.2 SUMMARY OF PRIOR WORK

Tetra Tech was contracted by WCLRC to perform a Pre-Demolition Asbestos Survey, which was conducted at the Subject Property in April 2022 and is included in Appendix B. The objective of that

survey was to identify ACM that may will require proper management, removal, and disposal prior to conducting demolition activities.

Prior to any future renovations or demolition projects at the Subject Property, completion of the following tasks will be necessary if ACM or hazardous materials would be impacted:

- Develop a work plan for any ACM. WCLRC must approve the work plan prior to any abatement work.
- Remove and dispose of identified ACM (friable and non-friable) including debris and furnishings contaminated with asbestos fibers, and then decontaminate surfaces impacted by asbestos fibers.
- Removal of hazardous materials such as bulbs and ballasts, mercury switches, chemicals, and e-waste.

Table 1 below summarizes types and quantities of ACM present at the Subject Property. More details about each material are provided in later sections of this document.

TABLE 1

QUANTITIES OF ASBESTOS-CONTAINING MATERIALS

Material	Quantity
Building 1 (1940 construction)	
Ceiling tile	6,200 SF
Window glazing	30 LF
TSI pipe wrap	1,000 LF
Tank wrap	200 SF
Transite	24 SF
Building 2 (constructed sometime between Buildings 1 and 3)	
Chalkboards	550 SF
TSI pipe wrap	380 LF
Building 3 (1998 construction)	
Window glazing	1,875 LF
TSI elbows	250 Elbows

Notes:

ACM	Asbestos-containing materials
SF	Square feet
LF	Linear feet
TSI	Thermal system insulation

In addition to the above sampled materials, various mastics, fire doors, linoleum, lab tabletops, caulks, roofing, floor tile and mastic, and a non-friable solar furnace were observed to be either ACM-containing or presumed ACM containing (PACM). Non-friable materials such as these can be left in place during demolition. If, during the abatement process, these items are noted to be friable or likely to become friable, they may need to be abated under a change order.

2.0 BIDDING PROCESS

The following sections describe the bidding process. Note that due to the nature of the Subject Property ALL prospective BIDDERS must be currently an Ohio-registered abatement Contractor. **Also note that this is a prevailing wage project**.

Each prospective abatement Contractor shall submit a 5-year safety record with the bid. This shall include the firm's Experience Modification Rating (EMR), Total Recordable Incident Rate (TRIR), and Days Away, Restricted, or Transferred (DART). Comparisons of each prospective Contractor's safety history to industry averages will occur as part of the selection process. Submittals of hazard assessment and health and safety plans for all tasks shall occur prior to start of activities. WCLRC's environmental consultant (Tetra Tech) must review and approve all plans.

Bidders are also instructed to present a proposed schedule of activities. Prospective Contractors must provide adequate insurance coverage for their anticipated activities. Prospective Contractors shall be prepared to demonstrate coverage or obtain coverage for all risks associated with abatement activities, and hazardous waste removal, including but not limited to worker's compensation, general liability, errors and omission (professional) liability, pollution liability, specific toxic substance liability, and other insurance, as applicable to the prospective consultant's or Contractor's role and responsibilities. WCLRC will set minimum insurance amounts and include these in the contract terms. Acceptable confirmation of the selected Contractor(s)' insurance coverage (e.g., insurance certificate) shall be provided prior to contract execution.

Information conveyed in this document derives from previous investigations at the Subject Property. The following sections cover all tasks of the project within this abatement SOW: Safety, Asbestos Abatement, Hazardous Material/Waste Removal and Disposal, Final Reports and Documentation, and References.

By submitting a bid, the Contractor acknowledges its investigation of and satisfaction with the following:

- Conditions affecting the work, including, but not limited to, physical conditions of the Subject Property that may affect Subject Property access; handling and storage of tools and materials; access to water, electricity, or other utilities; and/or other conditions affecting performance of required activities;
- Character and quantity of all surfaces and substrate materials or obstacles to be encountered in so far as this information is reasonably ascertainable from an inspection of the Subject Property, exploratory work by the Owner's consultants, and/or information presented in this document; and

- The environmental condition, including presence, location(s), and conditions of ACM and other hazardous materials at the Subject Property.

Any failure by the Contractor to obtain available information does not relieve the Contractor of responsibility for estimating quantities and assessing difficulty or cost of successful performance of the work. The Contractor shall provide its own estimated material quantities and will remove all ACM and other hazardous materials as the total basis for the bid price. Any quantities of ACM and other hazardous materials indicated herein are approximate, intended to alert the Contractor to the general scope of the project, and are not to be relied upon. No increase in contract cost for removal or disposal will be considered due to the Contractor's failure to physically verify all quantities associated with this project.

2.1 PRE-BID SITE WALKTHROUGH

A mandatory Subject Property walkthrough is scheduled for **Thursday, December 15, 2022, at 9:00 AM** Eastern Standard Time (EST). Following the property walkthrough, the property will remain open to Contractors for further inspection until 11:00 AM EST. An WCLRC representative must escort the potential Contractors at all times on the premises. This will be the only opportunity Contractors will have on the property. Any questions must be submitted by Monday, December 19 via email to Matthew Wagner at Tetra Tech (matthew.wagner@tetratech.com) as the Owner's Consultant, with a copy to Dennis Miller, the Executive Director of the Maumee Valley Planning Organization (MVPO) (dmiller@mvpo.org) who is supporting the WCLRC with this project. Questions will be answered via an addendum to be issued by approximately Wednesday, December 21, 2022.

2.2 BID SUBMITTAL DEADLINE

All bids are due to the WCLRC no later than 5:00 PM EST Thursday, December 22, 2022. You may submit your completed bid package in the following manner:

Electronic mail (email) a copy of your bid to Tetra Tech at matthew.wagner@tetratech.com as the Owner's Consultant, with a copy to MVPO at dmiller@mvpo.org.

Contractors shall submit the Bid Form found in Appendix A of this document, along with certificates of insurance, and a proposed schedule.

2.3 PROJECT AWARD DATE

The anticipated project award date is scheduled for approximately December 30, 2022. An email message to all Contractors submitting on this project shall be sent alerting them to project award.

3.0 SAFETY

The prospective abatement Contractor will be responsible for safety and work conditions at the Subject Property, including safety of all persons on the Subject Property during normal work hours and abnormal work hours. It is the responsibility of the abatement Contractor to ensure the facility is securely locked at the end of each work shift.

The Contractor will designate a Safety Officer for the Subject Property, to be available at all hours while the Subject Property is undergoing abatement under the signed contract. The Safety Officer will be trained with the appropriate knowledge to recognize unsafe conditions. The Safety Officer will implement a safety plan to be applied throughout the duration of work at the Subject Property. The Safety Officer will also be responsible for implementing, maintaining, and recording the Subject Property-specific plan for the Subject Property.

The Contractor will conduct safety meetings and provide WCLRC's environmental consultant (Tetra Tech) with appropriate documentation.

The Owner, WCLRC, may hire a third party to perform a safety audit of the job and work in progress at any time and on as many occasions as deemed necessary by the Owner. WCLRC has the authority to shut down the job when any deficiencies are discovered until those deficiencies are corrected. WCLRC will not be responsible for any financial impact of the shutdown on the Contractor.

The Contractor shall ensure all safety equipment, first aid kits, fire extinguishers, etc., are adequately maintained at a convenient and accessible location at the Subject Property.

The Contractor shall be required to provide, maintain, and implement various safety-related documents, including a Subject Property-specific Accident Prevention Plan (APP), during all SOW-related activities at the Subject Property. This plan shall include all Contractor personnel, as well as Subcontractors and Subcontractor personnel under their direction. The APP shall accord with the format and requirements of all applicable Occupational Safety and Health Administration (OSHA) standards regarding hazards at the anticipated job at the Subject Property. This can be combined with the Emergency Protection Plan as discussed in **later sections** of this SOW.

Activity Hazard Analyses (AHA) of each phase of work shall be submitted and updated during the project. The AHA shall define activities to be performed, identify sequence of work, specify anticipated

hazard(s), and identify control measures to be implemented to eliminate or reduce risk from each hazard to an acceptable level. Work shall not proceed on that phase prior to acceptance of the AHA and a preparatory meeting conducted by the Contractor to discuss AHA contents with everyone engaged in the activities, including the Subject Property Owner's representatives. AHAs shall be continuously reviewed and, when appropriate, modified to address changing Subject Property conditions or operations.

Contractors conducting any tasks of this project must follow all OSHA regulations for protecting workers from exposure to asbestos fibers during activity at the building. The following are OSHA regulations anticipated to apply to the Contractor's SOW:

- American Society of Safety Engineers (ASSE) Z9.2
- 29 Code of Federal Regulations (CFR) 1910.134
- 29 CFR 1910.141
- 29 CFR 1926.1101
- 40 CFR 61
- 40 CFR 745
- 40 CFR 763
- 49 CFR 172.

In the event of a job emergency at the Subject Property, the Contractor's Competent Person, defined in **Section 4.2.2**, will call the following personnel to convey details of the emergency, and provide assistance as needed:

- 911
- WCLRC

Responsibilities of the Contractor's Competent Person during emergency and/or potential emergency situations shall include the following:

- Assessing the situation to determine whether it is an emergency requiring activation of emergency procedures.
- Directing efforts in the area, including personnel, to minimize injury and property loss.
- Ensuring that outside emergency services such as medical aid and local fire departments are called in when necessary.

- Directing shutdown of operations and building evaluation when necessary.

All electric, gas, water, steam, sewer, and other service lines will be located, shut off, capped, or otherwise disconnected for safety purposes. Temporary services may be utilized as needed but must be connected as directed by a service provider and appropriately licensed electricians and plumbers for distribution at the Subject Property. If necessary to maintain any power, water, or other utilities during demolition, such lines shall be temporarily relocated and protected as needed.

The Contractor will make the Owner aware of hazardous chemicals, gases, explosives, flammable materials, or similarly dangerous substances where presence of these is suspected in pipes, tanks, or other equipment on the Subject Property. When presence of any such substance is apparent or suspected, testing and purging shall occur, and the hazard shall be removed from the Subject Property.

4.0 ASBESTOS ABATEMENT

This section covers requirements for removal, encapsulation, enclosure encasement, and/or repair of friable and non-friable ACM encountered during demolition of the Subject Property.

4.1 ASBESTOS INSPECTION RESULTS

Tetra Tech provided licensed Ohio asbestos inspectors to conduct an asbestos survey at the Subject Property, in compliance with the following regulations: OSHA 29 CFR Part 1910, following U.S. Environmental Protection (EPA) guidelines for inspections to identify regulated ACM under National Emissions Standards for Hazardous Air Pollutants (NESHAP). A copy of the Tetra Tech's Pre-Demolition Asbestos Survey report is included in **Appendix B**.

4.2 TECHNICAL ASBESTOS ABATEMENT SPECIFICATIONS

Proper removal and disposal of all identified impacted ACM must occur in accordance with all local, state, and federal regulations. This section discusses technical asbestos abatement specifications pertaining to both friable and non-friable asbestos abatement that was prepared in accordance with the Ohio Environmental Protection Agency (Ohio EPA), Division of Air Pollution Control for asbestos hazard abatement Contractors.

4.2.1 Scope of Work

The work specified herein shall be abatement of ACM by Ohio certified and registered persons who are knowledgeable, qualified, and trained in abatement, handling, and disposal of ACM, and subsequent cleaning of the affected environment.

The Contractor shall prepare and maintain an asbestos abatement plan conforming to specifications of this abatement SOW, and minimally including all of the following:

- Detailed abatement plan for each ACM material that must be accepted by WCLRC and its environmental consultant (Tetra Tech);
- Specification that throughout performance of work, the Contractor will provide appropriate personal protective equipment for workers performing the work;

- Locations and descriptions of regulated areas, including clean and dirty areas, access tunnels, and decontamination unit (clean room, shower room, equipment room, storage areas such as load-out unit);
- Initial exposure assessment in accordance with 29 CFR 1926.1101, and initial exposure assessment in accordance with 29 CFR 1926.62;
- Employ at least one Ohio EPA-certified asbestos hazard abatement specialist;
- Registered with the Secretary of the State as doing business in Ohio;
- Method of notification of other employers at the Subject Property;
- Method of abatement of each ACM, and containment and control procedures;
- Storage and disposal procedures, and plan with notification documents and Safety Data Sheets (SDS);
- Type of wetting agent to be used during abatement and asbestos encapsulation;
- Access to at least one asbestos disposal site approved by Oho EPA; and
- Fire and emergency response procedures to be established.

The Contractor shall furnish all necessary or required labor, material, equipment, testing, services, permits, insurance, and notifications in accordance with applicable local, state, and federal regulations for abatement of ACM and for other work as specified in this section or as indicated in associated drawings, sketches, or reports of the work.

WCLRC shall provide power and water at the Subject Property for the Contractor. The Contractor will be responsible for providing equipment and materials necessary to connect to these utilities that will be located outside the work area necessary for abatement of ACM.

The Contractor is responsible for developing a safety plan for the abatement removal process that illustrates how notifications to any Subject Property tenants and workers will occur during removal, if necessary.

The Contractor shall pay all fees required for notification requirements, re-notifications, and/or inspections by the regulatory agencies. Unless conveyed within this section of this document, the Contractor shall provide bulk sample analysis information required by the Ohio EPA, or local authority having jurisdiction in conjunction with the notification.

The work shall include removal and disposal of all friable and non-friable ACM listed in **Table 2** below. **Table 2** summarizes friable and non-friable ACM identified during the asbestos survey completed by Tetra Tech in 2022.

TABLE 2

SUMMARY OF IDENTIFIED ACM

Material Description	Material Locations	Type (S/T/M) & Friability Category	Quantity
White ceiling tile	Building 1 rooms 322, 321, 312, 308, 305A, 305, restrooms, 315, and 303.	M, friable	5,000 SF
White ceiling tile	Building 1 rooms 317 and 318	M, friable	1,200 SF
TSI pipe wrap	Throughout Building 1, including the furnace under the bleachers	T, friable	1,000 LF
Tank wrap insulation	Building 1 furnace room under bleachers	T, friable	200 SF
Green chalkboard	Every classroom	M, non-friable	550 SF
TSI pipe wrap	Throughout Building 2	T, friable	40 LF of 4” 330 LF of 2” 10 LF of 6”
White window glazing	Building 3 exterior windows	M, friable	1,875 LF
TSI elbows	Throughout Building 3	M, friable	250 elbows

Notes:

ACM	Asbestos-containing material	M	Miscellaneous
Cat II	Category II non-friable	SF	Square feet
F	Friable	S	Surfacing material
LF	Linear feet	T or TSI	Thermal systems insulation

Note that other materials including mastics, caulks, fire doors, and linoleum were identified; however as they are not friable and will likely not become friable during demolition, they are not included in the abatement specifications.

4.2.2 Definitions

The following are some common definitions of terms used throughout this section of the SOW:

- **Abatement** – Procedures to decrease or eliminate the source of fiber release from ACM, including encapsulation, enclosure, and removal.
- **Adequately Wet** – Sufficiently mixed or penetrated with liquid to prevent release of particulate.
- **Aggressive Air Sampling** – Sweeping of floors, ceilings, walls, and other surfaces immediately prior to air monitoring via exhaust of a minimum 1 horsepower leaf blower or equivalent.

- **Approved Waste Disposal Subject Property** – A solid-waste disposal area authorized by Ohio Pollution Control Agency (RAPCA) to receive asbestos-containing solid wastes.
- **Asbestos** – varieties of serpentine (chrysotile, antigorite), riebeckite (crocidolite), cummintonite-grumerite, anthophyllite, and actinolite-tremolite.
- **Asbestos Hazard Abatement Specialist** – An individual who is Ohio EPA-certified to direct, control, or supervise others in asbestos abatement projects.
- **Asbestos-Containing Material (ACM)** – 1 percent or more asbestos as determined by a laboratory using protocols set forth in the *Method for the Determination of Asbestos in Bulk Building Materials* found in EPA Report EPA/600/R-93/116.
- **Asbestos Containing Waste Material (ACWM)** – Any ACM removed during a demolition or renovation project, and anything contaminated with asbestos in the course of a demolition or renovation project—including, but not limited to, asbestos waste from control devices, bags or containers that previously contained asbestos, contaminated clothing, materials used to contain the work area during the demolition or renovation operation, and demolition or renovation debris.
- **Barrier** – Any surface that seals off the work area to inhibit movement of fibers.
- **Category I Nonfriable ACM** – Asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined via the method specified in 40 CFR part 763, subpart F, Appendix A, section 1, Polarized Light Microscopy (PLM).
- **Category II Nonfriable ACM** – Any material, excluding category I nonfriable ACM, containing more than 1% asbestos as determined via methods specified in 40 CFR part 763, subpart F, Appendix A, section 1, PLM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- **Containment** – Area where asbestos abatement project occurs that must be enclosed either by a glove bag or plastic sheeting barrier.
- **Contractor's Competent Person (Qualified Person)** – Person capable of identifying existing asbestos hazards in the workplace and selecting the appropriate control strategy for asbestos exposure, and who has the authority to take prompt corrective measures to eliminate these, as specified in 29 CFR 1926.32 (f); in addition, for Class I, II, III, and IV work, who has completed training courses that meet the criteria of EPA's Model Accreditation Plan (40 CFR Part 763) for project designer or supervisor, or its equivalent.
- **Decontamination Area** – Adjacent and connected to the regulated area, an enclosed area used for decontamination of workers, materials, and equipment contaminated with asbestos.
- **Demolition** – Wrecking or taking out any load-bearing structural member of a facility, together with any related handling operations.
- **Disposal Bag** – A properly labeled, 0.006-inch (6-mil)-thick, leak-proof, tight plastic bag used for transporting asbestos waste from work area to disposal Subject Property.
- **Encapsulant (Sealant)** – A liquid material that can be applied to ACM and which prevents release of asbestos fibers from the material either by creating a membrane over the surface or by penetrating into the material and binding its components together.
- **Encapsulation** – Treatment of ACM with an encapsulant.

- **Enclosure** – Constructed airtight, impermeable, permanent barrier around ACM to control release of asbestos fibers into the air.
- **Friable Asbestos Material** – Any material containing more than 1% asbestos as determined via the method specified in Appendix A, Subpart F, 40 CFR part 763 section 1, PLM, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
- **Glove Bag** – A manufactured or fabricated device, typically constructed of 6-mil transparent polyethylene or polyvinyl chloride plastic, that consists of two inward projecting long sleeves, an internal tool pouch, and an attached, labeled receptacle for asbestos waste.
- **Homogeneous Work Subject Property** – Continuous areas with the same type of ACM and within which one type of abatement process occurs.
- **Negative Initial Exposure Assessment** – An assessment by a "Competent Person" concluding that employee exposures during the job are likely to be consistently below Permissible Exposure Levels.
- **Outside Air** – Air outside of the containment.
- **Owner** – For purposes of this project, Williams County Land Reutilization Corporation (WCLRC).
- **Personal Monitoring** – Sampling for asbestos fiber concentrations within the breathing zone.
- **Regulated Asbestos Containing Material (RACM)** – Friable asbestos material; Category I nonfriable ACM that has become friable; Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading; Category II nonfriable ACM that has 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.
- **Remove** – To take out of any facility RACM or facility components that contain or are covered with RACM.
- **Renovation** – Alteration of a facility or one or more facility components in any way, including stripping or removing RACM from a facility component.
- **Strip** – To take off RACM from any part of a facility or facility components.
- **Waste Shipment Record** – The shipping document used to track and substantiate disposition of asbestos-containing waste material, and which must originate from and be signed by the waste generator.
- **Work Area** – An isolated area (other than the space enclosed within a glove bag) within which handling friable ACM is required. The area is designated as a work area from the time that the area is secure and access restrictions are in place. The area remains designated as a work area until the time that it has been cleaned in accordance with any requirements applicable to the operations conducted.

4.2.3 Codes and Regulations

This section presents codes and regulations that govern this project.

General Applicability of Codes, Regulations, and Standards

All applicable codes, regulations, standards, statutes, laws, and rules have the same force and effect (and are made a part of contract documents by reference) as if copied directly into the contract documents, or as if published copies are bound herewith. Where conflicts arise, the most stringent specification shall apply.

Contractor Responsibility

The Contractor shall assume full responsibility and liability for compliance with all applicable federal, state, and local regulations pertaining to work practices, hauling, and disposal; and protection of workers, visitors to the Subject Property, and persons occupying areas adjacent to the Subject Property. The Contractor is responsible for providing medical examinations and maintaining medical records of personnel as required by applicable federal, state, and local regulations. The Contractor shall hold WCLRC harmless for failure to comply with any applicable work, hauling, disposal, safety, health, or other regulations on the part of the Contractor, Contractor's employees, or Contractor's subcontractors.

Federal and State Requirements that Govern Asbestos Abatement Work or Hauling and Disposal of Asbestos Waste Materials

These federal and state requirements include but are not limited to the following:

1. U.S. Department of Labor, OSHA including but not limited to:
    A. CFR Title 29, Part 1910, Section 1001 and Part 1926, Section 1101
    B. Respiratory Protection, CFR Title 29, Part 1910, Section 134
    C. Construction Industry, CFR Title 29, Part 1926
    D. Access to Employee Exposure and Medical Records, CFR Title 29, Part 1910, Section 2
    E. Hazard Communication, CFR Title 29, Part 1910, Section 1200
    F. Specifications for Accident Prevention Signs and Tags, CFR Title 29, Part 1910, Section 145.
2. EPA including but not limited to:
    A. NESHAP, CFR Title 40, Part 61, Subpart M.
3. U.S. Department of Transportation (DOT) including but not limited to:
    A. CFR Title 49, Part 172, Section 101.
4. State of Ohio including but not limited to:
    A. Ohio Revised Code Title 37, Chapter 3710, Asbestos Abatement
    B. Ohio Administrative Code (OAC) Chapter 3745-20, Asbestos Emission Control
    C. OAC Chapter 3745-22, Asbestos Hazard Abatement

4.2.4 Notifications

This section specifies notification requirements for this project.

Notifications must be sent by the Contractor to Ohio EPA at least 10 calendar days before any work begins, in accordance with requirements of OAC 3745-20-03. Notification to Ohio EPA satisfies the notification requirements of EPA 40 CFR 61.

The notification to Ohio EPA shall include all information required, including the following:

- Brief description of work to be performed
- Name of the contracting entity
- Location and address of the project work at Subject Property
- Approximate duration of the project
- Approximate amount of asbestos involved in the project
- Name of any project manager
- Other information required by the commissioner.
- The owner shall be listed as HCLRC, with Dennis Miller as the contact (Phone number: 419-784-3882 and email: dmiller@mvpo.org)

4.2.5 Submittals

Expected submittals for this project are as follows:

1. The Contractor will submit the following prior to commencement of work for approval by WCLRC's designated environmental consultant. WCLRC's designated consultant (Tetra Tech) will return reviewed copies to the Contractor.

    A. One copy of the SDS for each product to be used by the Contractor in performance of Contractor's work. Contractor will also maintain copies of SDSs on Subject Property per OSHA.

    B. One copy of each notification to, or any correspondence with, the regulatory agencies. Submit a listing of all prior regulatory violations.

    C. Floor plan drawing identifying negative air machine, loadout and decontamination placement.

2. Friable Abatement:

    A. Provide current Certificates of training and statements of qualifications for the project asbestos hazard abatement specialist and for all project personnel. List a summary of

project personnel and contact phone numbers. Provide name(s) and address(es) of contact person(s), and name(s) of testing laboratory or laboratories to conduct analysis of air samples to satisfy OSHA requirements.

B. Submit a detailed plan of procedures proposed to comply with requirements of this specification and 29 CFR 1926.1101. Include in the plan layouts and locations of barriers, decontamination units, routes of ingress to and egress from work area, personal air monitoring strategy, method of removal of material, and engineering controls imposed to prevent emissions from the work area.

C. Provide a disposal plan to detail type of disposal container, method of transportation to disposal Subject Property, waste hauler, and disposal Subject Property.

D. Provide a copy of each notification required as part of the emergency notification plan.

3. Upon completion of the abatement work, the following information shall be submitted to WCLRC's environmental consultant (Tetra Tech):

   A. Waste disposal receipts and waste shipment records of all asbestos waste removed from the Subject Property, OSHA personal air sample results, and daily monometer readouts.

4.3 EXECUTION

This section addresses execution of the abatement.

4.3.1 General Removal Procedures

The following general abatement procedures shall be applied during this project:

1. Construct critical barriers on all windows, doors, roof vents, and other openings to the outside of the building, consisting of one layer of 6 mm polyethylene sheeting, glued and taped at the seams. For exterior containment, polyethylene sheeting must be fire-retardant and able to withstand all weather conditions. Attach the worker decontamination unit and waste pass-out chamber and place the high-efficiency particulate air (HEPA) filtration system inside each containment area. The Contractor shall demarcate the work area perimeter(s) with caution tape and post OSHA notifications.
2. Contractor will provide labor, materials, and equipment to properly install and maintain all interior and exterior containments and decontamination units. Any interior or exterior contained work area shall maintain a minimum of -0.02 inches of water column with a minimum of four air exchanges per hour and be registered by a recording manometer 24 hours per day. Fluctuations below -0.02 inches of water column are unacceptable and may require temporary cessation of work until conditions are corrected. The Contractor will not be entitled to a change in conditions or scope due to repair of containments and decontamination units due to Acts of God, vandalism, or improper maintenance of the enclosures.
3. Remove material from the substrate by applying wet methods. All ACM waste generated shall be double-bagged, appropriately labeled, and transported for disposal at an approved landfill. All

interior vertical and horizontal surfaces shall be abated, HEPA-vacuumed, wet-wiped, and encapsulated as part of the decontamination process. A manifest must accompany friable and non-friable ACM waste during transport and disposal. The Owner must receive copies of the manifests for both friable and non-friable ACM waste at project completion.

4. All machinery (i.e., lifts, floor tile removal machines etc.) used on the interior of the building must be electric. No use of gasoline or propane powered equipment is allowed.

4.3.2 Work Area Preparation – General Requirements

This section applies to construction of a Negative Pressure Enclosure (NPE).

Post appropriate warning signs and warning tape meeting requirements of OSHA 29 CFR 1910.1001 (j)(1), and 29 CFR 1926.1101 (k)(6) to demarcate the regulated area or other approaches where airborne asbestos fiber concentrations may reasonably be expected to exceed the permissible exposure limit (PEL). Signs and warning tape shall be posted at a distance sufficiently far enough away from the regulated area to permit an employee or others to read the sign and take the necessary protective measures to avoid exposure. Exterior doors accessing the regulated area must be locked and posted on the outside with warning signs.

Shut down and lock out electric power to the regulated area. Make provisions to draw temporary power and lighting from outside the abatement area. Ensure safe installation (including ground faulting) of temporary power sources and equipment by compliance with all applicable electrical code requirements and OSHA requirements for temporary electrical systems.

Pre-clean all movable objects within the regulated area by application of a HEPA filtered vacuum and/or wet cleaning methods as appropriate. After cleaning, these objects shall be removed from the work area and carefully stored or sent for disposal in compliance with all applicable federal, state, and local laws. All porous construction debris within the regulated area shall be considered asbestos contaminated and sent for disposal accordingly.

Objects in the regulated area that cannot be moved shall be pre-cleaned, covered with one layer of 6 mm polyethylene sheeting, and secured with duct tape.

Seal off all windows, doorways, corridor entrances, drains, ducts, grates, diffusers, skylights, and any other openings leading into, out of, or through the regulated area from areas outside of the regulated area with one layer of 6 mm polyethylene sheeting and duct tape/spray adhesive (critical barrier). All floor penetrations shall be sealed with a spray foam substance to prevent any potential spills or leakage out of

the NPE. The spray foam shall be installed prior to any floor sheeting installation. All ACM shall be removed (if present) in the penetrations prior to spray foam and floor sheeting application.

Wall sheeting shall not be required on interior work area building surfaces being abated. Critical barriers and negative pressure will be required. Wall sheeting will be necessary only if an abatement work area adjoins an occupied area of the building.

Construct and install a clear view port with a minimum size of 18" x 18" to allow a view of the interior of the work area. Install as many view ports as possible necessary to give a clear view of all abatement work operations.

The Subject Property shall be free of friable ACM once abatement is completed. It may be necessary for the Contractor to removal walls, or use destructive methods to access ACM within walls, voids, or other concealed areas. The Owner's environmental consultant (Tetra Tech) will make the determination of any building materials removed or impacted to access ACM shall be treated as ACM for disposal.

4.3.3 Worker Decontamination Area

The Worker Decontamination Area shall be provided at locations contiguous to the regulated area where an attached, wet, three-stage decontamination chamber must be provided. The system may consist of existing rooms or areas outside of the work area, if the layout is appropriate, that can be enclosed in plastic sheeting and remain accessible from the work area. When this situation does not exist, enclosure systems may be constructed out of metal, wood, or plastic support as appropriate.

Worker decontamination enclosure systems constructed at the Subject Property shall include 6 mm opaque black or white polyethylene sheeting or other acceptable materials for privacy.

The worker decontamination enclosure shall minimally consist of a clean room, a shower room, and an equipment room, each separated from each other and from the work area by airlocks.

Entry to and exit from all airlocks and decontamination enclosure system chambers shall be through curtained doorways consisting of three sheets of overlapping polyethylene sheeting. One sheet shall be secured at the top and left side, the other sheets at the top and opposing sides. All sheets shall have weights attached to their bottoms to ensure that they hang straight and maintain a seal over the doorway when not in use.

Access between any two rooms in the decontamination enclosure system shall be through an airlock with at least 3 feet separating each curtained doorway. Pathways into (from clean to contaminated) and out from (contaminated to clean) the work area shall be clearly designated.

Clean room shall be sized to adequately accommodate the work crew. Benches shall be provided, as well as hooks for hanging up street clothes. Shelves for storing respirators shall also be provided in this area. Clean work clothes (if required under disposable clothing), clean disposable clothing, replacement filters for respirators, towels, and other necessary items shall be provided in adequate supply in the clean room. A location also shall be established for postings of permitted access into the clean room from outside the work area. Lighting, heat, and electricity shall be provided, as necessary, for comfort. This space shall not be used for storage of tools, equipment, or materials (except as specifically designated), or as office space.

The shower room shall contain one shower head per every five workers in containment, or more as necessary to adequately accommodate workers. Each shower head shall be supplied with hot and cold water adjustable at the tap. The shower enclosure shall be available at all times. Shower water shall be drained, collected, and filtered through a system with at least 0.5 to 1.0 micron particle size collection capability.

Notice: A system containing a series of several filters with progressively smaller pore sizes is recommended to avoid rapid clogging of filtration system by large particles.

No asbestos contaminated water may be allowed to evaporate or leak into non-work areas. Disposal of all filtered water must occur into a sanitary sewer. This water must not be allowed to go to storm drains or run off onto adjacent soil or paved surfaces.

The equipment room shall be suited for storage of equipment and tools at the end of a shift after these have been decontaminated by application of a HEPA filter vacuum and/or wet cleaning techniques as appropriate. Stored there as well may be replacement filters (in sealed containers until used) for HEPA vacuums and HEPA filtration ventilation equipment, extra tools, containers of surfactant, and other materials and equipment that may be required during the abatement. A pool or equivalent filled with water shall be present in the work area just outside the equipment room for workers to clean off foot coverings after leaving the work area and prevent excessive contamination of the worker decontamination enclosure system. A drum lined with a labeled, 6 mm, polyethylene bag for collection of disposable clothing may be located in this room. Contaminated footwear (e.g., rubber boots, other reusable footwear) shall be stored in this area for reuse the following workday.

4.3.4 Waste Container Pass-Out Airlock and or Direct Load Out

The waste container pass-out airlock shall be attached to the abatement containment barriers at a location near the waste disposal transport container. This airlock system shall consist of an airlock, a container staging area, and another airlock with access to the abatement work area. The waste container pass-out airlock shall be constructed in a fashion similar to the worker decontamination enclosure system with use of similar materials and similar airlock and curtain doorway designs. Waste containers SHALL NOT be removed from the containment through the worker decontamination unit(s). The waste container pass-out airlock system SHALL NOT be used for entry to or exit from the Subject Property.

4.3.5 Maintenance of Negative Pressure Enclosure

Following completion of construction of all polyethylene barriers and decontamination system enclosures, allow settling to ensure that barriers will remain intact and secured to walls and fixtures before beginning actual abatement activities.

Immediate repair of damage and defects in the NPE upon discovery is the responsibility of the Contractor. At any time during abatement activities, if visible material is observed outside of the work area or if damage occurs to the NPE, work shall immediately stop, barriers shall be repaired, and debris/residue cleaned up by application of appropriate HEPA vacuuming and wet mopping procedures.

If air samples collected outside of the regulated area during abatement activities indicate airborne fiber concentrations greater than 0.1 fibers per cubic centimeter (f/cc) or pre-measured background levels (whichever is lower), work shall immediately stop for inspection and repair of the NPE. Cleanup of surfaces outside of the work area by application of HEPA vacuum or wet cleaning techniques may be necessary.

Install and initiate operation of HEPA filtration equipment as needed to provide one air change in the work area every 15 minutes. Openings in the enclosure system to accommodate these units shall be made air-tight by use of tape, spray adhesive, and/or caulking as needed. If more than one unit is installed, these should be turned on one at a time, checking the integrity of wall barriers for secure attachment and need for additional reinforcement. Ensure that adequate power supply is available to satisfy requirements of the ventilating units, air sampling pumps, and other equipment. HEPA filtration units shall be exhausted to the outside of the building whenever feasible. They shall not be exhausted into occupied areas of the

building. Twelve-inch reinforced extension ducting shall be used to reach from the work area to the exhaust area. The Contractor shall ensure regular changes of HEPA filters, that filters are not obstructed or damaged, and that the exhaust ducting does not release fibers into uncontaminated building areas.

A minimum of -0.02 column inches of water pressure differential, relative to outside pressure, shall be maintained within every NPE as evidenced by recorded manometer measurements. The NPE shall be kept under negative pressure throughout the period of its use.

4.3.6 Class I Asbestos Removal Procedures

Class I asbestos removal shall include all friable TSI, surfacing material, sheet vinyl, and any non-friable material that will be rendered friable in the course of abatement activities. Pre-clean, isolate, and prepare the regulated area in accordance with the applicable regulations; achieve negative pressure and record pressure differential utilizing a continuous recording manometer. Wet the ACM with amended water solution using appropriate equipment. Saturate the material to the greatest extent possible. Keep all removed material wet enough to prevent fiber release until it can be containerized for disposal. Remove the ACM from the substrate. At a minimum, place a single layer of 4 mm polyethylene sheeting to act as a drop cloth on surfaces beneath the removal activity.

Removed material should be containerized (disposal bags) before a move to a new location for continuance of work. Materials removed from building structures or components shall not be dropped or thrown to the floor and/or ground. Materials should be removed as intact sections or components whenever possible, containerized, and carefully lowered to the floor. Containers (6-millimeter polyethylene disposal bags or drums) shall be sealed when full. Wet material can be exceedingly heavy, and double-bagging of waste material is always required.

Asbestos-containing waste with sharp-edge components (e.g., nails, screws, metal lathe, tin sheeting, concrete, etc.) will tear the polyethylene bags and sheeting; therefore, these types of materials shall be segregated from polyethylene waste bags and placed in drums for disposal.

After completion of any stripping work, surfaces from which ACM has been removed shall be wet-brushed and sponged or cleaned by application of some equivalent method to remove all visible residues.

After the regulated area has been rendered free of visible residues, and has passed a final visual clearance inspection, seal in non-visible residue by applying one coat of a satisfactory lockdown encapsulant agent

to all surfaces, except for flooring, in the work area including structural members, building components, and plastic sheeting on walls, floors, and coverings over non-removable items.

4.3.7 Class I Asbestos Removal – Glove Bag Procedures

Glove bags shall be constructed of 6 mm polyethylene sheeting and be seamless at the bottom. Glove bags must have built-in internal sleeve gloves, tool pouch, and small openings for insertion of water sprayers and/or HEPA vacuum nozzles. Glove bags shall be pre-labeled with appropriate EPA, OSHA, and DOT warnings.

Glove bags may be used only on straight runs of TSI ACM of unlimited lengths or on individual mudded pipe fittings or roof drains. Glove bags may be used only once and may not be moved. Glove bags shall not be used on surfaces with temperatures exceeding 150 degrees Fahrenheit.

At least two properly trained Contractor employees shall perform glove bag removal work under mandatory supervision by the supervisor.

Glove bag work practices shall consist of the following:

- Isolate the regulated area with critical barriers, one layer of 6 mm polyethylene sheeting, over all openings leading into or out of the area. Place one additional critical barrier layer over all HVAC openings. Demarcate the regulated area with warning signs.
- Place critical barriers (4 mm sheeting) over any HVAC system vents adjacent to the work area, and place drop cloths (4 mm sheeting) over all objects near the work area that cannot be moved.
- Ventilate the regulated area using HEPA filtration machine.
- Place one layer of 4 mm polyethylene sheeting on the floor or surface below the entire length of the pipe run or pipe fitting to be removed so that it extends at least 3 feet to either side of the material.
- Wrap and/or seal any pre-existing damaged, friable, and/or loose TSI material with tape or a layer of 4 mm polyethylene sheeting prior to glove bag work.
- Securely attach glove bag to piping or object. The installation must completely cover the circumference of the pipe or object.
- Test glove bag for leaks using smoke tubes. Seal with tape any leaks, and retest.
- Thoroughly wet the ACM, and strip/remove the material to the substrate. Maintain the ACM in the glove bag in a wet condition during the removal process.
- After ACM removal, clean the exposed surfaces with brushes and/or wet wiping to remove any remaining residue.

- Apply a lockdown encapsulant to exposed surfaces and to adjacent TSI material, if applicable.
- Remove tools from glove bag by pulling them through internal sleeve gloves. Twist the sleeve gloves and tape. The tools may be placed into the next section of glove bag or decontaminated in a bucket of water.
- Make sure the removed ACM is in the bottom of the bag, evacuate the air from the glove bag using a HEPA filtered vacuum system, twist the glove bag several times, and tape the bag closed.
- Place the glove bag into a 6 mm disposal bag and perform cleanup procedures in accordance with applicable regulations.

Procedures for negative pressure glove bag use shall comply with work practices described above and are to include the following:

- Attach a HEPA filtered vacuum system to the bag and place a device in the bag to prevent collapse during work.
- Use the HEPA vacuum system and device to prevent collapse continuously during glove bag removal operations.
- Use of a separate waste collection bag during the ACM removal process is permissible. That waste bag may be used only once.

4.3.8 Procedures for Class II Asbestos Removal

All Class II asbestos removal work shall be completed in accordance with the requirements stated in the OSHA Asbestos Standard 29 CFR 1926.1101(g)(7).

Demarcate the area around the removal area with asbestos warning tape and signs. For indoor work, critical barriers shall be placed over all openings leading into or out of the regulated area. For removal of floor tiles and mastic not conducted during friable fireproofing removal, isolate the work area by constructing a partial containment enclosure (one layer of 6 mm polyethylene sheeting) for temporary walls or along walls that are not ACM. HEPA filtration machines shall be placed in the containment work area. When performing abatement adjacent to occupied areas, initiate operation of HEPA filtration equipment as needed to provide six air changes in the work area every 60 minutes. A minimum of -0.02 inches of water column pressure differential, relative to outside pressure, shall be maintained within the NPE as evidenced by manometer measurements. Or all removal will be completed in Class I containment. Work performed within designated spill areas does not require placement of polyethylene sheeting on walls.

Class II removal practices shall consist of the following:

- One layer of 4 mm polyethylene sheeting shall be placed under the removal activity, where practical. A layer of 4 mm sheeting shall be placed at least 4 feet above the floor along walls in the work area. Contractor may utilize existing sheeting placed for construction of negative pressure enclosure at this area. HEPA filtration machines shall be placed in the work area to provide one air change every 15 minutes. When performing abatement adjacent to occupied areas, initiate operation of HEPA filtration equipment as needed to provide six air changes in the work area every 60 minutes. For removal of sheetrock systems, isolate the work area by constructing a partial containment enclosure (one layer of 6 mm polyethylene sheeting) for temporary walls or along walls that are not ACM, and place a layer of 6 mm sheeting on the floor.
- ACM shall not be removed by high-speed abrasive saws, sanders, or drills; compressed air systems; mechanical chipping; or other types of powered cutting tools.
- ACM shall be removed in an intact state to the extent possible.
- ACM must be thoroughly wetted with amended water prior to removal.
- Removed material shall be immediately placed in impermeable leak-tight containers or pre-labeled disposal bags or wrapped in polyethylene sheeting. The material must remain in a wet condition and transferred into a waste transport trailer.
- Any ACM debris shall be collected by use of a HEPA vacuum system and/or wet wiped. Or all removal will be completed in Class I containment.

4.3.9 Cleanup Procedures

Remove and containerize all visible accumulations of ACM and ACM debris utilizing rubber dust pans and rubber squeegees. Use plastic shovels to pick up or move accumulated waste. Take special care to minimize damage to the floor. Clean all surfaces in the regulated area using wet-dry HEPA vacuums, rags, mops, and sponges as appropriate.

Remove and/or clean the outer layer of plastic sheeting from walls and floors. Windows, doors, HVAC system vents, and all other openings shall remain covered. The NPE shall remain in place and continue to be utilized. Remove all containerized waste from the regulated area and waste container pass-out airlock and place it in a waste transport trailer.

Decontaminate all tools and equipment and remove these at the appropriate time in the cleaning sequence. Place materials and/or equipment that cannot be thoroughly decontaminated in locking containers or wrap them in two layers of 6 mm polyethylene sheeting. Empty HEPA filtered vacuum collection units of ACM waste and remove/change filters from HEPA filtration machines.

Inspect the regulated area for visible residue. Any observed accumulation of residue will be assumed to be ACM debris, and the cleaning sequence will be repeated. The regulated area shall be cleaned until free

of all ACM waste and debris, and in compliance with federal, state, and local requirements. Any additional cleaning cycles shall occur as necessary at no cost to the Owner until all criteria have been met.

4.3.10 WCLRC's Supervision of Abatement

The Contractor shall designate a competent, licensed supervisor subject to approval by WCLRC's environmental consultant (Tetra Tech). The supervisor shall be the Contractor's representative on the project, and shall meet the requirements of all applicable regulations and the following minimum requirements:

- Before engagement in any asbestos projects, shall have been certified by Ohio EPA as an asbestos hazard abatement specialist, and shall have completed the minimum of an initial course approved by a certified training provider, consisting of an EPA-approved five day asbestos contractor/supervisor initial training course and proof of one day refresher training when applicable.
- Shall maintain a daily log of the project—documenting events, visitations, problems, equipment failures, accidents, and inspections.
- Shall be responsible for implementation of first aid, safety training, respiratory protection, and assurance that all workers are trained in emergency procedures.
- Shall be responsible for conducting a visual inspection of the work area prior to a visual inspection by WCLRC's environmental consultant (Tetra Tech) (Inspection shall be documented).

4.3.11 Negative Initial Exposure Assessment

1. Per OSHA regulations, the Contractor must conduct a Negative Initial Exposure Assessment prior to removal of the asbestos material. The Negative Initial Exposure Assessment shall be performed by a "Competent Person" to determine whether the material may be removed without exceeding the PEL. The Contractor may also conduct daily personnel air sampling on abatement workers.
2. The method of removal is the Contractor's option. However, in the event of any of the following, the Contractor shall immediately stop work, implement corrective work practices, make any necessary notifications to all regulatory agencies of changes in work practices and material conditions, and comply with the requirements as set forth in this specification:
    A. Observation of visible emissions
    B. Sanding, grinding, cutting, or abrading of material
    C. Exceedance in personnel air samples of 0.1 f/cc.
3. Testing laboratories utilized by the Contractor for sample analysis during the project shall meet the following minimum requirements and be approved by WCLRC's environmental consultant

(Tetra Tech). This information shall be submitted to WCLRC's environmental consultant (Tetra Tech) for review.

4. All OSHA air samples shall be analyzed by a testing laboratory accredited by the American Industrial Hygiene Association (AIHA) or by an individual currently on the Asbestos Analyst Registry or proficient in Proficiency Analytical Testing (PAT).

4.3.12 Worker Protection and Training

1. The Contractor shall be responsible for providing Contractor employees with proper respiratory protection, respiratory training, written respirator program, medical examinations, maintenance of medical records, and protective clothing and equipment to comply with OSHA requirements.
2. The Contractor shall be responsible for all testing and costs incurred for complying with requirements of OSHA regulations for Personal Air Sampling.
3. All workers shall be trained in the dangers inherent in handling asbestos and breathing asbestos dust, and in proper work procedures and personal and protective measures.

All workers shall hold valid certifications as Ohio EPA-accredited asbestos hazard abatement workers as required by OSHA, Title 12 (Practices and Trades Related to Water, Health, and Safety), Subtitle B (Practices related to health and safety), Sub chapter C (License and registration requirements), Sec. 1954.101 (License Required for Certain Activities).

4.3.13 Discovery of Unexpected Asbestos

Previously unidentified suspect ACM discovered during abatement and/or demolition will be sampled and analyzed for its asbestos content by a licensed Ohio EPA asbestos hazard evaluation specialist, designated by Tetra Tech. Person or persons performing sampling activities to assess presence of additional ACM must be current Ohio EPA licensed asbestos hazard evaluation specialist(s), and analyses must occur at an approved National Voluntary Laboratory Accreditation Program (NVLAP) laboratory.

4.3.14 WCLRC's Air Sampling Professional

1. WCLRC's environmental consultant (Tetra Tech) will provide a person meeting the requirements of OAC 3745-22-11 to collect asbestos air samples. At a minimum, this person is to perform the following duties:
   A. Approve the Contractor's work plan and methods of abatement to meet regulatory requirements.
   B. Collect air samples in the following areas:

I. Outside of the decontamination area

II. Outside of waste load-out areas

III. Near critical barriers or potential problem areas

IV. At the output of a negative air machine (or bank of machines).

2. WCLRC's environmental consultant (Tetra Tech) will be available during all the Contractor's activities described in this document in the event additional suspect ACMs are discovered.
3. If ACMs are left in place after abatement activities are complete, WCLRC's environmental consultant (Tetra Tech) will document locations, quantities, and conditions of all remaining ACMs.
4. WCLRC's environmental consultant (Tetra Tech) will conduct a visual inspection of the work area following abatement to check the Contractor's procedures, methods, and practices in accordance with current EPA, OSHA, state, and/or applicable local regulations.

4.3.15 Emergency Protection Plan

1. The Contractor shall be responsible for developing a written Emergency Protection Plan and shall maintain this plan on the Subject Property. The plan shall include considerations of and procedures to address asbestos leakage from the Subject Property, fire, explosion, toxic atmospheres, electrical hazards, slips, falls, and heat-related injury. All employees shall be instructed and trained in the procedures.
2. The Emergency Protection Plan shall also include written notification to police, fire, and medical personnel of planned abatement activities, work schedule, and layout of the work area - particularly barriers that may affect response capabilities.

4.3.16 Local Area Protection & Subject Property Security

1. The Contractor shall be responsible for all areas of the building used by the Contractor and/or subcontractors in performance of the work. The Contractor shall exert full control over actions of all employees and other persons with respect to use and preservation of the existing buildings, except such controls as may be specifically reserved to the Owner, WCLRC.
2. The Contractor has the right to exclude from the work area all persons with no purpose related to the work or its inspection and shall require all persons in the work area to comply with the same regulations required of Contractor's employees.
3. The Contractor shall have control of the Subject Property security during abatement operations to protect work environment and equipment. The Contractor shall have the Owner's assistance in notifying building occupants of impending activity and enforcement of restricted access by Owner's employees.
4. The Contractor shall keep a minimum of two 10-pound type ABC fire extinguishers on the Subject Property. One shall be maintained outside the work area and one inside the work area. Employees shall be trained in operation of these fire extinguishers. Where areas cannot be isolated by existing walls and doors from employees, clients, or the public, barriers must be constructed of 0.5" plywood and 2" x 4" framing 16" on-center to isolate the area. The barriers

must be installed in a manner to prevent damage to existing walls, floors, or ceilings. Each barrier may have a lockable door.

5. The Contractor shall keep the work area free from rubbish, debris, and dirt, and maintain a clean, safe working area.
6. The Contractor shall provide warning signage around the regulated area as required by OSHA.
7. The Contractor shall isolate any and all air supply and returns to the abatement space as required by OSHA. The Contractor shall coordinate with the Owner's Representative.
8. The Contractor shall maintain all areas where adhesive stripper is in use (such as mastic removal) under negative pressure and exhaust air therein to outside ambient air.

4.3.17 Final Clearance Requirements Asbestos

The building is scheduled for demolition; therefore, final visual and air clearance sampling will not be required in compliance with Ohio EPA regulations referenced in **Section 3.2.3** of this document.

1. After abatement is complete, WCLRC's environmental consultant (Tetra Tech) will perform the following, at a minimum:
    A. Upon completion of abatement activities within each area, a Tetra Tech-designated licensed asbestos inspector will conduct a visual inspection according to ASTM Standard Practice for "Visual Inspection of Asbestos Abatement Projects," E-1368-14. Per ASTM practice, this visual inspection is the final stage of a complete process of visual inspection that begins at the earliest stages of planning and is continued through completion of the work. The fundamental criterion for completeness of removal and cleanup is absence of visible ACM and ACM residue, dust, and debris.
2. Any work areas failing to meet clearance requirements of this section shall be re-cleaned and retested at the Contractor's expense until satisfactory levels are achieved.

4.3.18 Reestablishment of the Work Area and Systems

1. Reestablishment of the work area shall occur only after the Contractor has received final clearance in writing from WCLRC's environmental consultant (Tetra Tech).
2. All damage to finishes, equipment, and/or other areas not affected by the abatement shall be repaired by the Contractor to equal or better condition than condition prior to the work, at no cost to the Owner, WCLRC.

4.3.19 Waste Disposal

1. All asbestos-containing waste and/or asbestos-contaminated debris shall be minimally double bagged in approved 6-mil disposal bags. Each bag shall be tagged to meet requirements of NESHAP with an asbestos caution label and a source identification label.

2. Transportation shall meet the requirements of all regulatory agencies for ACM, and transport shall be in an enclosed or lined truck.
3. The waste disposal shall be approved by the applicable state agency (Ohio EPA) for asbestos disposal. A chain-of-custody letter/waste shipment record and disposal receipts shall be provided to WCLRC's environmental consultant (Tetra Tech) for all materials sent for disposal.

4.3.20 Drawings

Any drawings provided are to be solely "references" to the work area. Information on drawings is not specific to quantities or to exact locations of ACM unless explicitly noted. The Contractor will be required to field-verify conditions and quantities.

4.3.21 Schedule

Upon notification of award, the Contractor must submit all required notifications to the applicable federal and/or state entities with two business days. Once the notification waiting period has expired, the Contractor has 45 calendar days to complete all abatement, achieve clearance as described in this document and have completed demobilization from the Subject Property. As stated in **previously**, all bidders shall submit a proposed schedule as part of their bids.

5.0 HAZARDOUS MATERIALS REMOVAL AND DISPOSAL

The following hazardous materials should be removed and properly disposed of by the Contractor prior to or during abatement: white goods and chlorofluorocarbon (CFC)-containing equipment; heating, ventilation, and air conditioning (HVAC) systems; drinking fountains; corrosive cleaning product; polychlorinated biphenyl (PCB)-containing fluorescent light ballasts; mercury-containing fluorescent light tubes; mercury-containing thermostats; e-waste; dry-type transformers; and other containerized chemicals. Contractor is responsible for field verifying all materials and conditions for bidding purposes.

6.0 FINAL REPORTS AND DOCUMENTATION

Upon completion of each project task, the Contractor responsible for that task must provide all necessary documentation regarding that task. Documentation required includes but is not limited to the following:

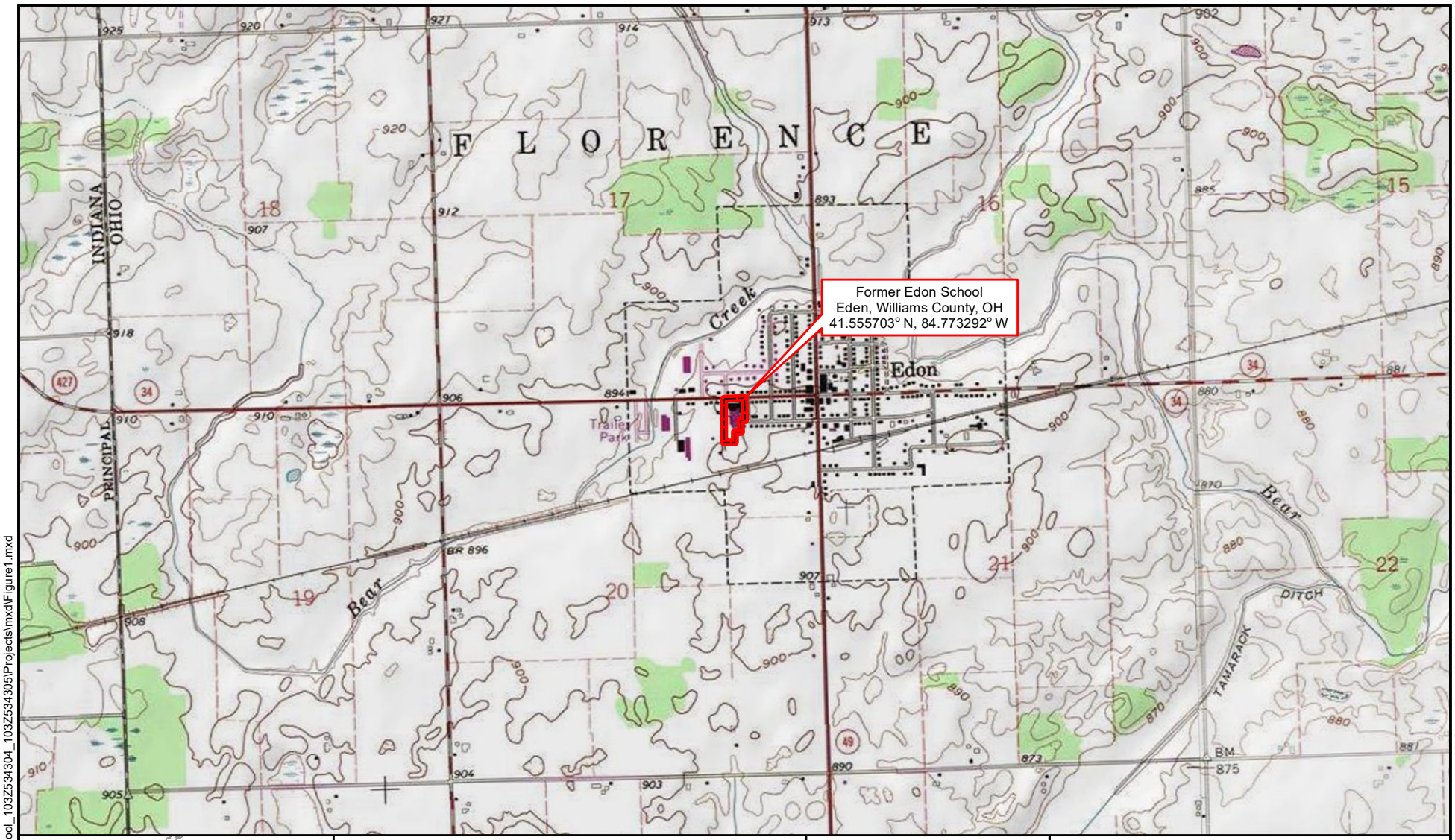
- Notifications for abatement submitted to local, state, and federal agencies.
- All waste manifests from the Contractor responsible for ACM removal/disposal.
- Changes, if any, to the SOW or project specifications during the work.
- Field sheets, daily logs, and photos taken.
- Certifications for all workers on the Subject Property.

7.0 REFERENCES

Tetra Tech, Inc. (Tetra Tech). 2022. Pre-Demolition Asbestos Survey, Former Edon School 309 West Indiana Street, Edon, OH. April.

U.S. Environmental Protection Agency (EPA). 1985. *Guidelines for Controlling Asbestos Containing Materials in Buildings.*

FIGURES



Legend

Approximate Subject Property Boundary

N

1,000 0 1,000

Feet

Source: USGS 7.5 Minute Topographic Quadrangle Maps: Blakeslee, OH 1973; Edon, OH 1974

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Figure 1

Site Location Map

TETRA TECH

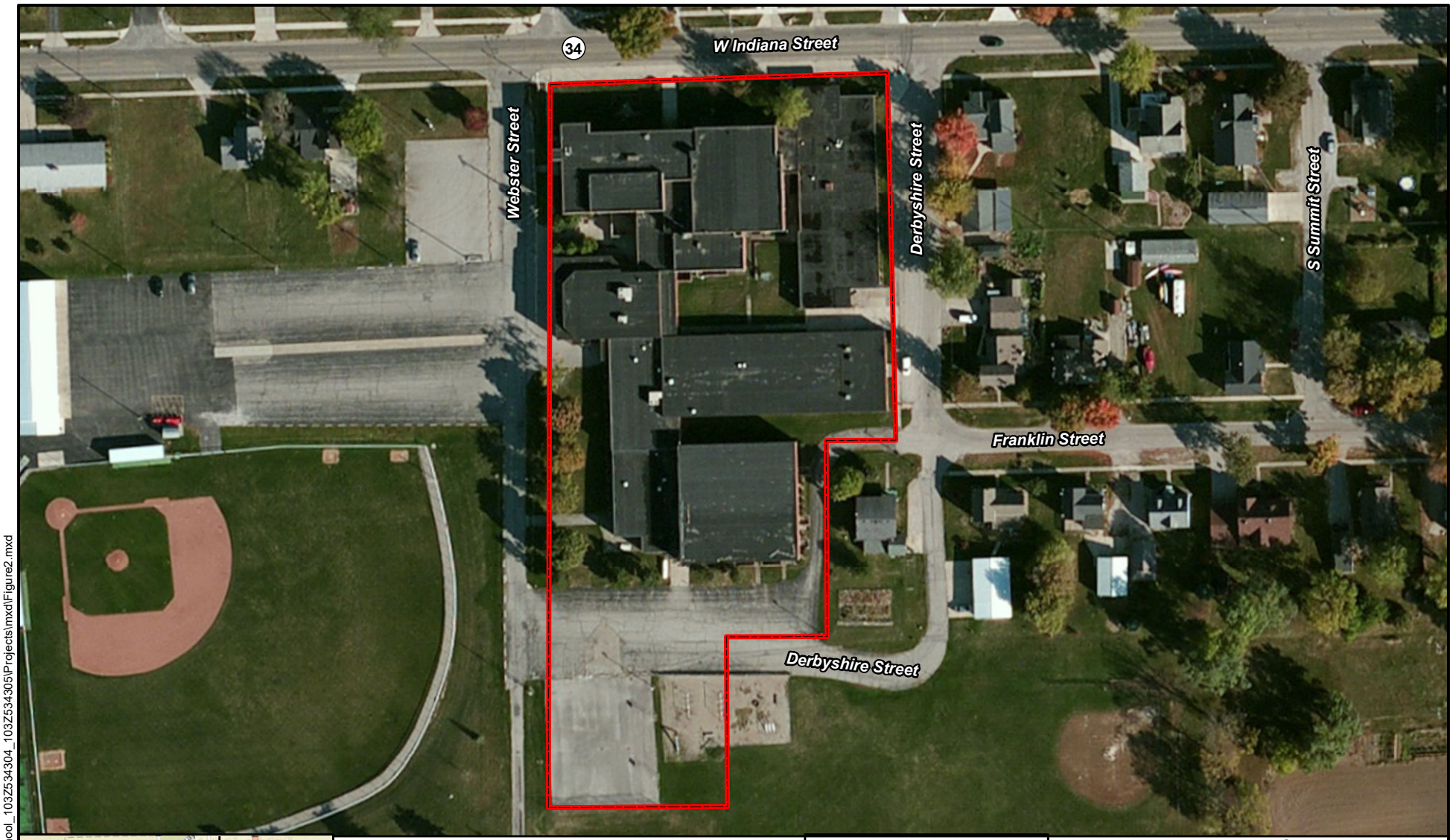
Prepared For: WCLRC

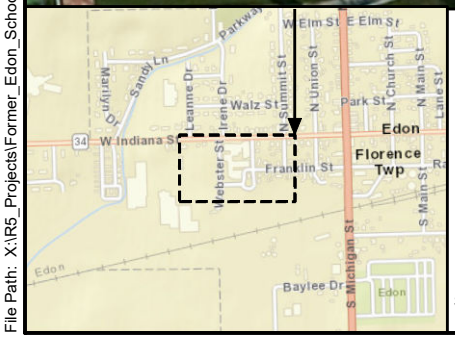
Prepared By: Nick Wiederholt

File Path: X:\R5_Projects\Former_Edon_School_103Z534304_103Z534305\Projects\mxd\Figure1.mxd

Date Saved: 4/11/2022

Coordinate System: NAD 1983 UTM Zone 16N





Legend

Approximate Subject Property Boundary

Source: Esri, ArcGIS Online, World Imagery (Clarity);
Williams County Ohio, GIS Open Data, Williams County Auditor's Parcel Viewer

N

60 0 60

Feet

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Figure 2

Site Layout Map

TETRA TECH

Prepared For: WCLRC

Prepared By: Nick Wiederholt

File Path: X:\R5_Projects\Former_Edon_School_1032534304_1032534305\Projects\mxd\Figure2.mxd

Date Saved: 4/11/2022

Coordinate System: NAD 1983 UTM Zone 16N

APPENDIX A
BID FORM

CONTRACTOR BID FORM

All bids should be listed as a firm fixed price unless otherwise noted. There are 3 bid options that includes a base bid for the Abatement (only) and/or Building Demolition (only) and/or a combined Abatement and Building Demolition.

- Base Bid – Hazardous Materials Abatement - asbestos-containing materials (ACM), excluding PACM roofing materials; and/or
- Base Bid – Building Demolition.

All Contractor bidders are required to fill out and submit bids in the format shown in **Table 1** and for the line items they are bidding on. Please note that each bid is intended to be stand alone cost estimate for the contractor, meaning WCLRC may choose to select separate firms for the hazardous materials abatement and building demolition:

Table 1

Base Bid

Bid Options	Lump Sum Price Per Line Item
Base Bid Option 1 - Hazardous Materials Abatement ONLY[1]	
Base Bid Option 2 - Building Demolition ONLY[2]	
Base Bid 3 Option 3- Hazardous Materials Abatement[1] AND Building Demolition[2]	

Notes:

1 The price should be an all-inclusive lump sum price for proper removal and disposal of these materials per the Abatement Scope of Work provided as part of this solicitation.

2 The price should be an all-inclusive lump sum price for proper removal and disposal of these materials per the Demolition Scope of Work provided as part of this solicitation, including any salvage items for the Historical Society.

If additional quantities of ACM, or other hazardous materials are encountered and required to be remediated, or due to a reduced scope of work, the Contractor completing this project will be compensated or have a deduct from their fixed price bid on a per unit price basis. In the following **Table 2**, a list of ACMs identified at the Subject Property are shown. Unit prices for each item should be provided for removal and disposal if additional quantities are encountered. These unit prices should be all-inclusive, with the assumption that these additional quantities will be removed during the same mobilization as the original scope of work. Prior to any removal of additional materials or quantities, Tetra Tech should be notified so an agreed upon quantity of additional materials to be removed can be established. Or, if a new suspect material is encountered Tetra Tech will sample the material to determine its asbestos.

Table 2
Unit Pricing for Additional Quantities Identified

Additional Tasks	Unit Price (Per SF, LF or Each)[1]
Floor tile & mastic	
Pipe wrap	
Caulk/glazing	
Ceiling tile	
Chalkboards	
Transite	
Tank wrap	

Notes:

[1] The price should be an all-inclusive lump sum unit price for proper removal and disposal of these materials per the Abatement Scope of Work provided as part of this solicitation.

LF Linear foot

SF Square foot

Prime Contractor (Who is solely responsible for any team subcontractors in the execution of this project and presented bid price for each item in this Bid Form).

Submitted By:

_____ _____
Signature Date

_____ Printed Name and Title

_____ Printed Company Name

Additional Team Subcontractors (If Applicable)

_____ _____
Signature Date

_____ Printed Name and Title

_____ Printed Company Name

_____ _____
Signature Date

_____ Printed Name and Title

_____ Printed Company Name

APPENDIX B

PRE-DEMOLITION ASBESTOS SURVEY REPORT

PRE-DEMOLITION ASBESTOS SURVEY

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Prepared for:

Williams County Land Reutilization Corporation
One Courthouse Square
Bryan, OH 43503

Prepared by:

Tetra Tech, Inc.
250 West Court Street, 200W
Cincinnati, Ohio 45202

Tetra Tech Project No. 103S534304

April 2022

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1.0 INTRODUCTION

Tetra Tech, Inc. (Tetra Tech) was contracted by the Williams County Land Reutilization Corporation (WCLRC) to perform a Pre-Demolition Asbestos-Containing Materials (ACM) Survey of the former Edon School Building located at 309 West Indiana Street in Edon, Ohio (see Figures 1 and 2).

Tetra Tech prepared this ACM Report for use by WCLRC to identify actual and potential ACM hazards associated with the building, in accordance with Tetra Tech's proposal dated January 21, 2022, and authorized by WCLRC on February 8, 2022.

1.1 Purpose

The objective of the survey activities was to identify ACM that may will require proper management, removal, and disposal prior to conducting demolition activities. The assessment focused on evaluating the presence of ACM only.

Tetra Tech performed a survey and sampling effort to evaluate potential ACM associated with the former Edon School Building located in Edon, Ohio on March 8 - 10, 2022.

1.2 Limitations and Exceptions

Tetra Tech observed several thermal system insulation (TSI) pipe runs and tank insulation that were labeled as "asbestos containing". As such, these materials were not sampled ~~but~~ and are assumed to be positive. In addition, five fire doors, a furnace, lab tables, and ~~a~~one transite panel were not sampled and should be assumed to be positive. The roofing on Building 1 was not sampled as it was observed to be the same material as Building 3 which was sampled.

2.0 SITE DESCRIPTION

The former Edon School Building is located in the Village of Edon, in Williams County, Ohio (see Figure 1). The ACM survey included the 74,502 square foot building that was originally constructed in 1940 with two additions. Due to the varying ages of the building's original construction and two additions, they were separated out during sampling into the following: Building 1 (1940 construction), Building 2 (constructed sometime between Buildings 1 and 3), and Building 3 (1998 construction). The entire building consists of one floor of classrooms, with a small second floor present in Building 1. Building outlines are presented on Figures 3 - 5. The building is currently not in use and is in poor condition.

3.0 FIELD ASSESSMENT ACTIVITIES & RESULTS

Tetra Tech's field assessment activities within the building consisted of an ACM survey only. The assessment was conducted by Tetra Tech's Ohio accredited inspectors Wes Williams and Dustin Grams (see Appendix A for Inspector Credentials).

3.1 Asbestos-Containing Materials Survey

Asbestos was one of the first hazardous air pollutants regulated under the air toxics program. On March 31, 1971, the U.S. Environmental Protection Agency (EPA) identified asbestos as a hazardous pollutant, and on April 6, 1973, EPA promulgated the Asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP). NESHAP specifies work practices for asbestos to be followed during demolition of all facilities, including, but not limited to, structures, installations, and buildings (excluding residential buildings that have four or fewer dwelling units). The regulations require a thorough inspection where the demolition operation will occur.

As is common practice with asbestos inspections, the number of potential ACM samples collected and quantified were determined by Tetra Tech following Asbestos Hazard Emergency Response Act (AHERA) requirements. The AHERA regulations were promulgated specifically to address asbestos in schools, and it provides specific guidelines for the collection of samples, which is utilized by most asbestos inspectors to ensure ACM are properly identified and quantified. According to AHERA, there are three main types of materials, which include Surfacing Material, Thermal System Insulation (TSI), and Miscellaneous Material. TSI may include, but is not limited to, insulation materials found on piping, fittings, boilers, tanks, ducts, or various components of heating and cooling systems. The material classification determines the number of samples to be taken. For Surfacing Material, the "3-5-7 rule" applies, meaning three samples from less than 1,000 square feet area, five samples from 1,000 to 5,000 square feet area, and seven samples from greater than 5,000 square feet area. For TSI, with some exceptions, three samples should be taken for each homogeneous area. For Miscellaneous Material, at least one sample should be taken from each homogeneous area.

The asbestos survey was conducted by Tetra Tech Ohio certified Asbestos Hazard Evaluation Specialists, Wes Williams and Dustin Grams, in March 2022. Tetra Tech's field assessment activities consisted of identifying homogeneous areas of suspect ACM, collecting bulk samples, and quantifying identified ACM for each homogenous area within the building. Tetra Tech identified homogeneous areas of suspect ACM by similar color and texture and collected samples from unique homogeneous areas of suspect ACM identified in the building. Tetra Tech estimated the amount of identified ACM in square footage by measuring ACM dimensions, where possible. Quantities of ACM used in this report should be considered as reasonable estimates. Tetra Tech initially classified each suspect ACM as friable or non-friable. A friable material is defined as any material that, when dry, can be pulverized by hand pressure. Ceiling tile and pipe insulation are examples of friable materials; undamaged floor tile and cement board are examples of non-friable materials. Pipe insulation can be treated as non-friable if the outer covering is intact and undamaged and the insulation is not exposed. Tetra Tech identified the following suspect ACM homogeneous areas within the building:

Surfacing Materials	Thermal System Insulation	Miscellaneous Materials
Plaster walls and ceiling	Pipe wrap	Floor tile and mastic
	TSI elbows	Carpet mastic
	TSI Tank Covering	Ceiling tile
		Cove base mastic

Surfacing Materials	Thermal System Insulation	Miscellaneous Materials
		Sink undercoat
		Caulks
		Drywall
		Chalkboards
		Expansion joint
		Roofing
		Wall tile and mastic
		Fire Doors
		Furnace
		Lab Tables
		Transite Panel

During the ACM survey, Tetra Tech also documented the condition of suspect ACM and potential for disturbance and took digital photographs of sampled or presumed ACMs along with positive asbestos samples. Note that several materials were not sampled but should be considered presumed asbestos containing materials (PACM). The photographic log is included as Appendix B.

Samples of suspect ACM were sent to QuanTem Laboratories (QuanTem) located in Oklahoma City, Oklahoma for bulk analysis via U.S. EPA Method 600/R-93-116 using Polarized Light Microscopy (PLM). QuanTem is currently accredited by the U.S. Department of Commerce, National Voluntary Laboratory Accreditation Program (NVLAP) for Asbestos Fiber Analysis (see Appendix A for Inspector and Laboratory Credentials). Samples consisting of multiple suspect ACMs, such as floor tile and mastic, were submitted to the laboratory as one sample; however, QuanTem separated and analyzed each distinct matrix for ACM content and identified each layer as “001a”, “001b”, etc. with their laboratory sample identification. The QuanTem Laboratory Analytical Report is included in Appendix C. A summary of sample locations and descriptions is provided in Table 1. Sample locations are identified on Figures 3 - 6.

Samples identified as containing 1% or more asbestos material or “positive” via the PLM analysis are listed in Table 2. Copies of the QuanTem laboratory analytical results for the ACM assessment are included in Appendix C. The areas where the positive ACM was identified within the building are shown on Figures 3 through 6.

3.1.1 Asbestos Inspection Laboratory Results

Analytical results indicate that asbestos is present in the following materials specifically described in Table 2:

- Building 1:
  - Three types of floor tile and two types of associated mastic.
  - Three types of carpet mastic.
  - Two types of ceiling tile.
  - Window glaze.

- Building 2:
  - Five types of floor tile and two types of associated mastic.
  - Chalkboard.
  - Expansion joint.
  - Roofing.

- Building 3:
  - Three types of floor tile and two types of associated mastic.
  - One type of carpet mastic.
  - Brown mastic associated with wall tiles.
  - TSI elbows.

In addition to the materials that were found to be positive for asbestos through laboratory analysis, several items within the entire building were assumed to be positive, including:

- Building 1:
  - Five fire doors in the furnace and boiler rooms.
  - A solar furnace underneath the bleachers.
  - TSI ~~P~~pipe runs and tank wrap in the furnace room and throughout the building that was labeled as “asbestos containing.”
  - Lab table tops within Room 311.
  - A transite panel within Room 311.

- Building 2:
  - TSI ~~P~~pipe runs throughout the building that were labeled as “asbestos containing.”

- Building 3:
  - Lab table tops within Rooms 325 and 326.

Both positive and negative asbestos sample locations are depicted on Figures 3 through 5. Table 2 provides the percent and type of asbestos and friability in each bulk sample collected during the asbestos inspection. The table also includes an approximate quantity for each ACM identified during the inspection.

4.0 CONCLUSIONS

An ACM survey was completed at the former Edon School Building located in Edon, Ohio to identify potential environmental hazards that may require proper management prior to demolition activities. Recommendations based on the survey results are presented below.

4.1 ACM

Eight types of ACM (mastics, floor tile/linoleum, ceiling tile, window glaze, chalkboards, expansion joint, roofing, and TSI) were identified within the building. Fire doors, a furnace, labeled TSI, lab tables, and a transite panel were also identified as PACM. The mastic, floor tile/linoleum, chalkboards, expansion joint, roofing, fire doors, and lab tables are considered Category I non-friable ACMs, per OAC 3745-20-01. The TSI and transite panel are considered friable asbestos materials, and therefore, considered regulated asbestos-containing materials (RACM). Category I ACM that becomes damaged during removal resulting in small fragments four square inches or less is considered friable or RACM. OAC 3745-20-04 indicates that all RACM should be removed from the building prior to demolition, with four exceptions:

- It is Category I non-friable ACM that is not in poor condition and is not friable;
- It is on building components that are encased in concrete or other similarly hard material, and the ACMs are adequately wet whenever exposed during renovation or demolition;
- It was not accessible for testing and was, therefore, not discovered until after renovation or demolition began and, because of the demolition, the material cannot be safely removed. If not removed for safety reasons, the exposed RACM and any asbestos-contaminated debris must be treated as asbestos-containing waste material and adequately wet at all times until disposed of; and
- It is Category II non-friable ACM, and the probability is low the material will become crumbled, pulverized, or reduced to powder during renovation or demolition.

In general, materials within the building were observed to be in good to fair condition. Prior to demolition, a licensed asbestos abatement firm should be utilized to abate ACM in accordance with applicable laws.

5.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Vicky Farmer

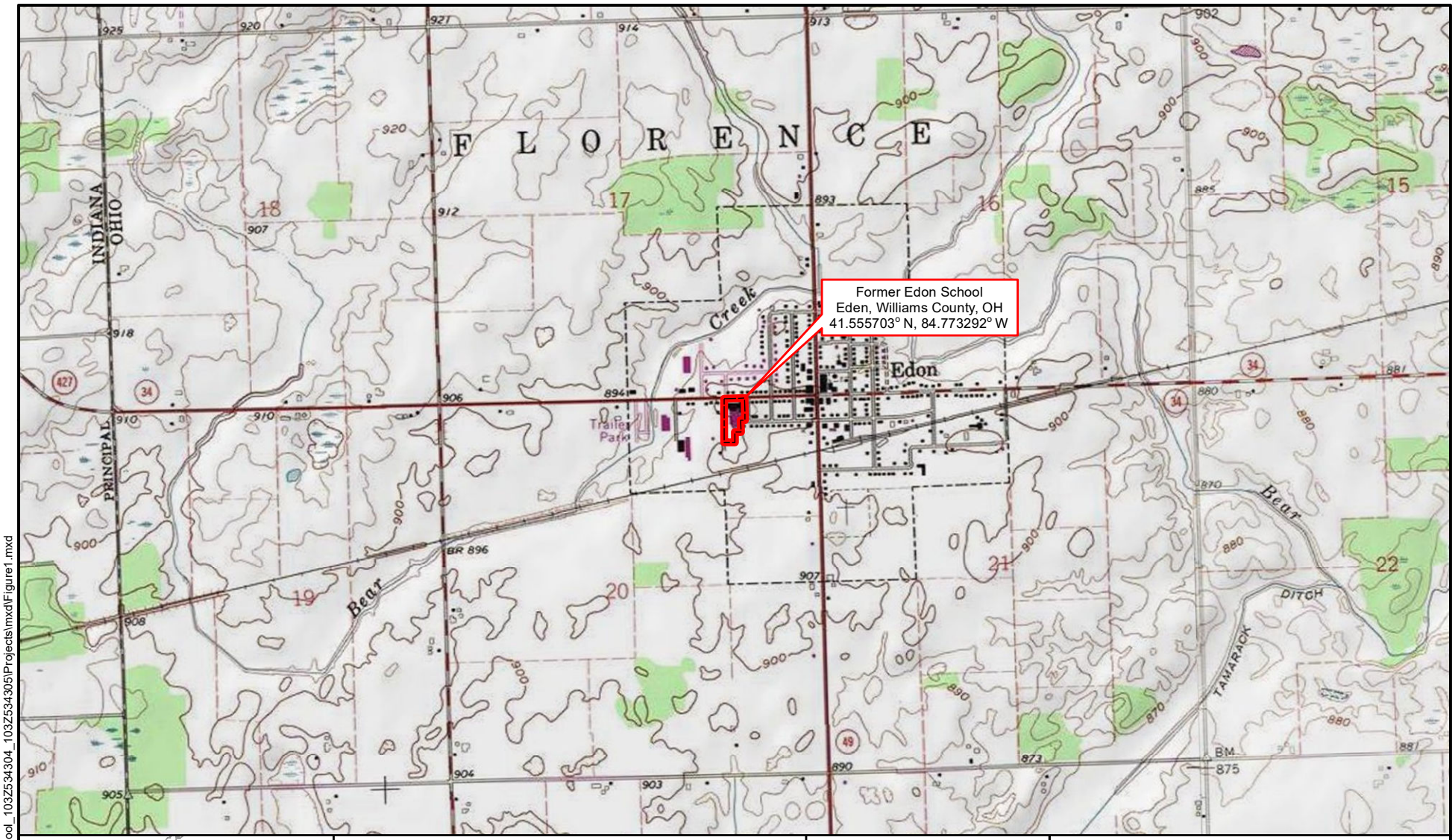
April 18, 2022

Vicky Farmer — Date
Asbestos Hazard Evaluation Specialist

Qualifications

Ms. Vicky Farmer is an Environmental Scientist for Tetra Tech. Ms. Farmer holds a Bachelor of Science degree in Environmental Science from Morehead State University in Morehead, Kentucky. Her 12 years of experience includes performing numerous asbestos and hazardous assessments for various clients at a wide variety of residential and commercial sites throughout the United States.

FIGURES



Legend

Approximate Subject Property Boundary

N

1,000 0 1,000

Feet

Source: USGS 7.5 Minute Topographic Quadrangle Maps: Blakeslee, OH 1973; Edon, OH 1974

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Figure 1

Site Location Map

TETRA TECH

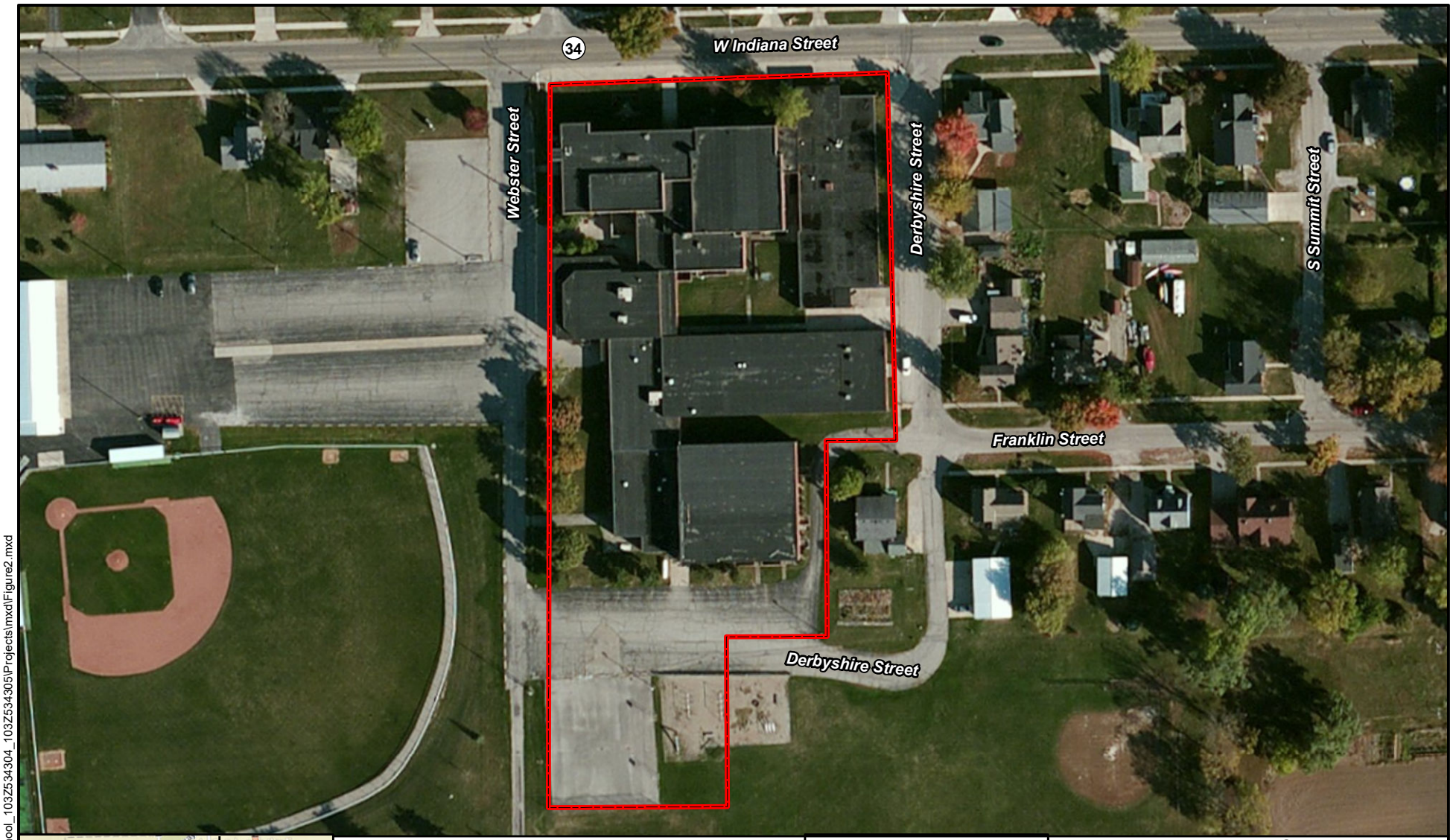
Prepared For: WCLRC

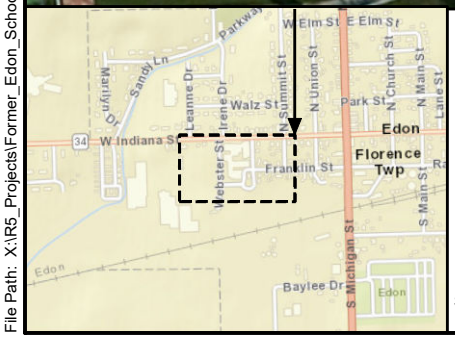
Prepared By: Nick Wiederholt

File Path: X:\R5_Projects\Former_Edon_School_103Z534304_103Z534305\Projects\mxd\Figure1.mxd

Date Saved: 4/11/2022

Coordinate System: NAD 1983 UTM Zone 16N





Legend

Approximate Subject Property Boundary

Source: Esri, ArcGIS Online, World Imagery (Clarity);
Williams County Ohio, GIS Open Data, Williams County Auditor's Parcel Viewer

N

60 0 60

Feet

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Figure 2

Site Layout Map

TETRA TECH

Prepared For: WCLRC

Prepared By: Nick Wiederholt

File Path: X:\R5_Projects\Former_Edon_School_1032534304_1032534305\Projects\mxd\Figure2.mxd

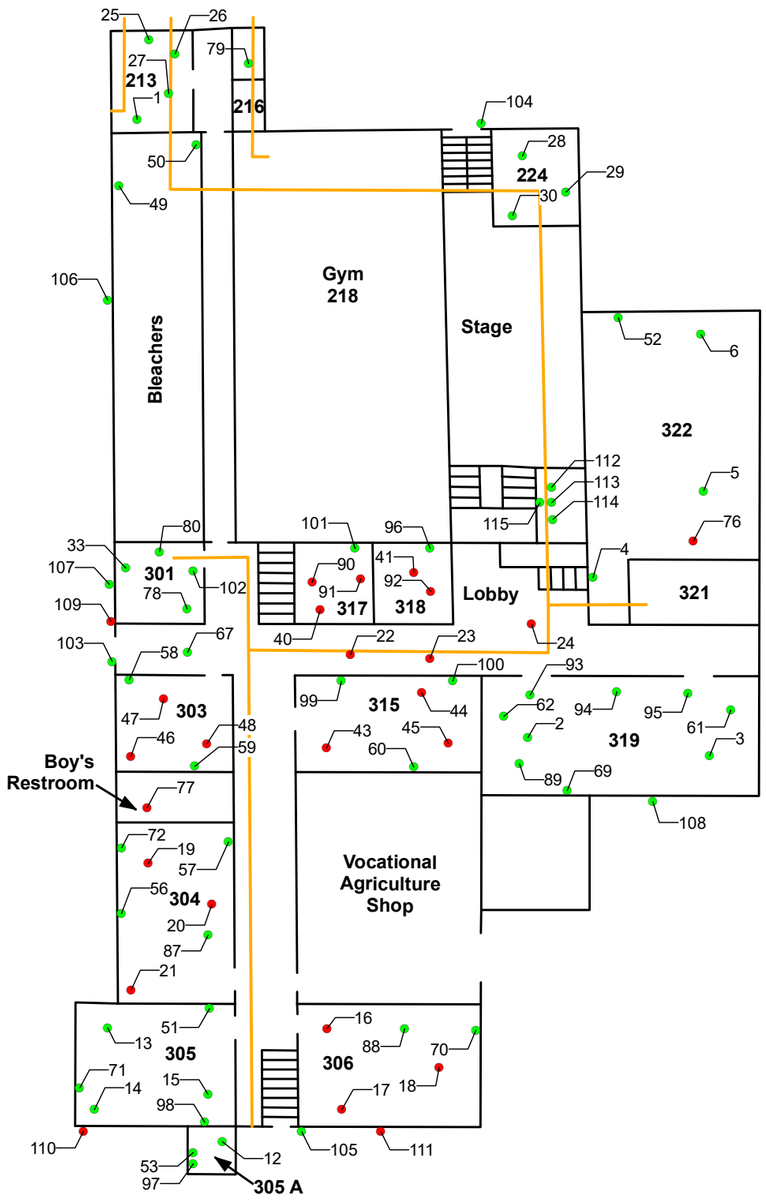
Date Saved: 4/11/2022

Coordinate System: NAD 1983 UTM Zone 16N

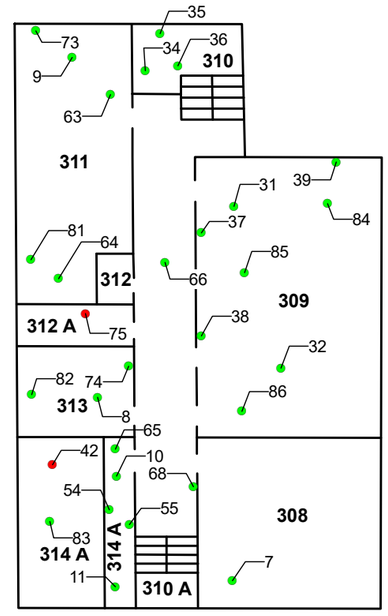
Number	Sample ID	Description
1	ES-B1-FT1-1	Floor tile and mastic
2	ES-B1-FT1-2	
3	ES-B1-FT1-3	
4	ES-B1-FT2-1	Floor tile and mastic
5	ES-B1-FT2-2	
6	ES-B1-FT2-3	
7	ES-B1-FT3-1	Floor tile and mastic
8	ES-B1-FT3-2	
9	ES-B1-FT3-3	
10	ES-B1-FT4-1	Floor tile and mastic
11	ES-B1-FT4-2	
12	ES-B1-FT4-3	
13	ES-B1-FT5-1	Floor tile and mastic
14	ES-B1-FT5-2	
15	ES-B1-FT5-3	
16	ES-B1-FT6-1	Floor tile and mastic
17	ES-B1-FT6-2	
18	ES-B1-FT6-3	
19	ES-B1-FT7-1	Floor tile and mastic
20	ES-B1-FT7-2	
21	ES-B1-FT7-3	
22	ES-B1-FT8-1	Floor tile and mastic
23	ES-B1-FT8-2	
24	ES-B1-FT8-3	
25	ES-B1-CM1-1	Carpet mastic
26	ES-B1-CM1-2	
27	ES-B1-CM1-3	
28	ES-B1-CM2-1	Carpet mastic
29	ES-B1-CM2-2	
30	ES-B1-CM2-3	
31	ES-B1-CM3-1	Carpet mastic
32	ES-B1-CM3-2	
33	ES-B1-CM3-3	
34	ES-B1-CM4-1	Carpet mastic
35	ES-B1-CM4-2	
36	ES-B1-CM4-3	
37	ES-B1-CM5-1	Carpet mastic
38	ES-B1-CM5-2	
39	ES-B1-CM5-3	
40	ES-B1-CM6-1	Carpet mastic
41	ES-B1-CM6-2	
42	ES-B1-CM6-3	
43	ES-B1-CM7-1	Carpet mastic
44	ES-B1-CM7-2	
45	ES-B1-CM7-3	
46	ES-B1-CM8-1	Carpet mastic
47	ES-B1-CM8-2	
48	ES-B1-CM8-3	
49	ES-B1-CBM1-1	Cove base mastic
50	ES-B1-CBM1-2	
51	ES-B1-CBM1-3	
52	ES-B1-CBM2-1	Cove base mastic
53	ES-B1-CBM2-2	
54	ES-B1-CBM2-3	
55	ES-B1-CBM3-1	Cove base mastic
56	ES-B1-CBM3-2	
57	ES-B1-CBM3-3	
58	ES-B1-CBM4-1	Cove base mastic
59	ES-B1-CBM4-2	
60	ES-B1-CBM4-3	
61	ES-B1-PLC-1	Plaster ceiling
62	ES-B1-PLC-2	
63	ES-B1-PLC-3	
64	ES-B1-PLC-4	
65	ES-B1-PLC-5	
66	ES-B1-PLC-6	
67	ES-B1-PLC-7	
68	ES-B1-PLW-1	Plaster wall
69	ES-B1-PLW-2	
70	ES-B1-PLW-3	
71	ES-B1-PLW-4	
72	ES-B1-PLW-5	
73	ES-B1-PLW-6	
74	ES-B1-PLW-7	
75	ES-B1-CT1-1	Ceiling tile
76	ES-B1-CT1-2	
77	ES-B1-CT1-3	
78	ES-B1-CT2-1	Ceiling tile
79	ES-B1-CT2-2	
80	ES-B1-CT2-3	
81	ES-B1-CT3-1	Ceiling tile
82	ES-B1-CT3-2	
83	ES-B1-CT3-3	
84	ES-B1-CT4-1	Ceiling tile
85	ES-B1-CT4-2	
86	ES-B1-CT4-3	
87	ES-B1-CT5-1	Ceiling tile
88	ES-B1-CT5-2	
89	ES-B1-CT5-3	
90	ES-B1-CT6-1	Ceiling tile
91	ES-B1-CT6-2	
92	ES-B1-CT6-3	
93	ES-B1-SU-1	Sink undercoat
94	ES-B1-SU-2	
95	ES-B1-SU-3	
96	ES-B1-DWJC-1	Drywall joint compound
97	ES-B1-DWJC-2	
98	ES-B1-DWJC-3	
99	ES-B1-DWJC-4	
100	ES-B1-DWJC-5	
101	ES-B1-DWJC-6	
102	ES-B1-DWJC-7	
103	ES-B1-DC-1	Door caulk
104	ES-B1-DC-2	
105	ES-B1-DC-3	
106	ES-B1-WC-1	Window caulk
107	ES-B1-WC-2	
108	ES-B1-WC-3	
109	ES-B1-EXC-1	Exterior caulk
110	ES-B1-EXC-2	
111	ES-B1-EXC-3	
112	ES-B1-TSI-1	Pipe wrap
113	ES-B1-TSI-2	
114	ES-B1-TSI-3	
115	ES-B1-TSI-4	

Presumed ACMs include:
- Fire doors within the furnace and boiler rooms
- Solar furnace within the furnace room
- Pipe runs in the furnace room
- Lab tables in Room 311
- Transite panel in Room 311

First Floor



Old Section Upstairs



Legend

- ACM Sample Location
- Non-ACM Sample Location
- TSI Pipe Run
- ACM Asbestos-Containing Material
- TSI Thermal System Insulation

N

Drawing not to scale

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Figure 3
Building 1
Asbestos Sample Location Map

TETRA TECH

Prepared For: WCLRC | Prepared By: Nick Wiederholt

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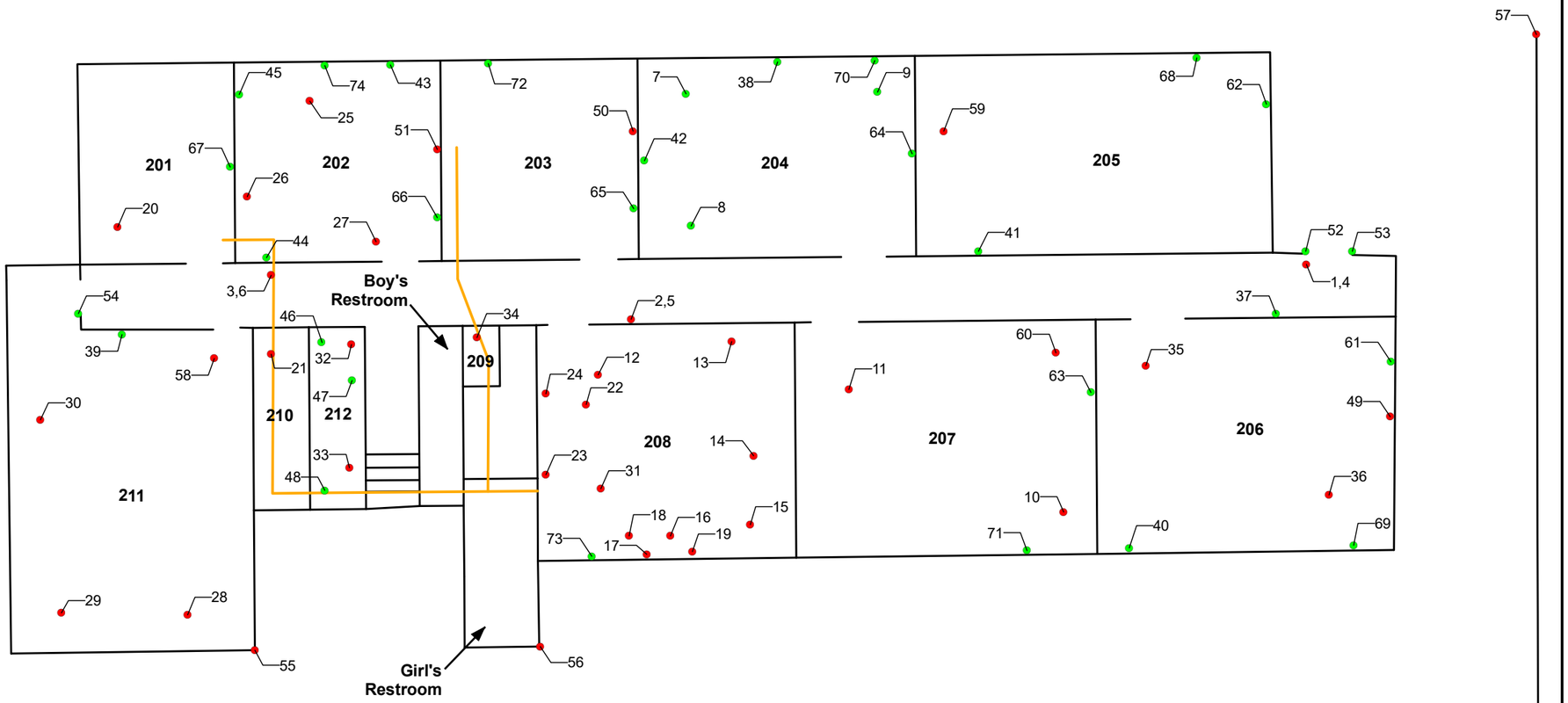
Date Saved: 4/13/2022

Coordinate System: NAD 1983 UTM Zone 16N

Number	Sample ID	Description
1	ES-B2-FT1-1	Floor tile and mastic
2	ES-B2-FT1-2	
3	ES-B2-FT1-3	
4	ES-B2-FT2-1	Floor tile and mastic
5	ES-B2-FT2-2	
6	ES-B2-FT2-3	
7	ES-B2-FT3-1	Floor tile and mastic
8	ES-B2-FT3-2	
9	ES-B2-FT3-3	
10	ES-B2-FT4-1	Floor tile and mastic
11	ES-B2-FT4-2	
12	ES-B2-FT4-3	
13	ES-B2-FT5-1	Floor tile and mastic
14	ES-B2-FT5-2	
15	ES-B2-FT5-3	
16	ES-B2-FT6-1	Floor tile and mastic
17	ES-B2-FT6-2	
18	ES-B2-FT6-3	
19	ES-B2-FT7-1	Floor tile and mastic
20	ES-B2-FT7-2	
21	ES-B2-FT7-3	
22	ES-B2-FT8-1	Floor tile and mastic
23	ES-B2-FT8-2	
24	ES-B2-FT8-3	
25	ES-B2-FT9-1	Floor tile and mastic
26	ES-B2-FT9-2	
27	ES-B2-FT9-3	
28	ES-B2-FT10-1	Floor tile and mastic
29	ES-B2-FT10-2	
30	ES-B2-FT10-3	
31	ES-B2-FT11-1	Floor tile and mastic
32	ES-B2-FT11-2	
33	ES-B2-FT11-3	
34	ES-B2-FT12-1	Floor tile and mastic
35	ES-B2-FT12-2	
36	ES-B2-FT12-3	
37	ES-B2-CBM1-1	Cove base mastic
38	ES-B2-CBM1-2	
39	ES-B2-CBM1-3	
40	ES-B2-CBM2-1	Cove base mastic
41	ES-B2-CBM2-2	
42	ES-B2-CBM2-3	
43	ES-B2-CBM3-1	Cove base mastic
44	ES-B2-CBM3-2	
45	ES-B2-CBM3-3	
46	ES-B2-CT-1	Ceiling tile
47	ES-B2-CT-2	
48	ES-B2-CT-3	
49	ES-B2-CLK-1	Chalkboard
50	ES-B2-CLK-2	
51	ES-B2-CLK-3	
52	ES-B2-DC-1	Door caulk
53	ES-B2-DC-2	
54	ES-B2-DC-3	
55	ES-B2-EJ-1	Expansion joint
56	ES-B2-EJ-2	
57	ES-B2-EJ-3	
58	ES-B2-RF-1	Roofing
59	ES-B2-RF-2	
60	ES-B2-RF-3	
61	ES-B2-PLW-1	Plaster walls
62	ES-B2-PLW-2	
63	ES-B2-PLW-3	
64	ES-B2-PLW-4	
65	ES-B2-PLW-5	
66	ES-B2-PLW-6	
67	ES-B2-PLW-7	
68	ES-B2-DWJC-1	Drywall joint compound
69	ES-B2-DWJC-2	
70	ES-B2-DWJC-3	
71	ES-B2-DWJC-4	
72	ES-B2-DWJC-5	
73	ES-B2-DWJC-6	
74	ES-B2-DWJC-7	

Presumed ACMs include:
- 380 LF of labeled TSI



Legend

- ACM Sample Location
- Non-ACM Sample Location
- TSI Pipe Run
- ACM Asbestos-Containing Material
- LF Linear Feet
- TSI Thermal System Insulation

N

Drawing not to scale

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Figure 4
Building 2
Asbestos Sample Location Map

TETRA TECH

Prepared For: WCLRC

Prepared By: Nick Wiederholt

File Path: X:\R5_Projects\Former_Edon_School_103Z534304_103Z534305\Projects\mxd\Figure4_ACM_Bldg2.mxd

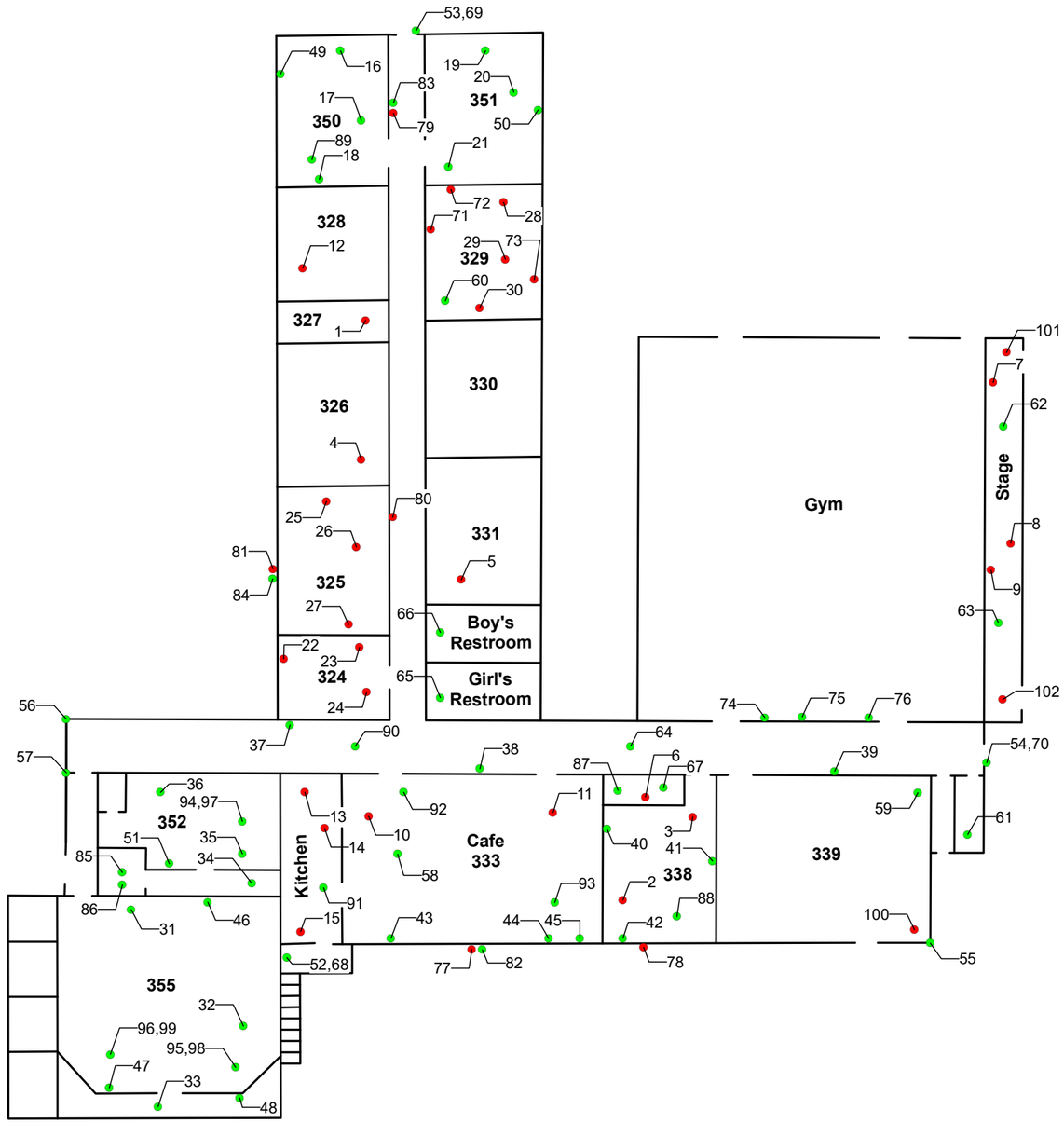
Date Saved: 4/13/2022

Coordinate System: NAD 1983 UTM Zone 16N

Number	Sample ID	Description
1	ES-B3-FT1-1	Floor tile and mastic
2	ES-B3-FT1-2	
3	ES-B3-FT1-3	
4	ES-B3-FT2-1	Floor tile and mastic
5	ES-B3-FT2-2	
6	ES-B3-FT2-3	
7	ES-B3-FT3-1	Floor tile and mastic
8	ES-B3-FT3-2	
9	ES-B3-FT3-3	
10	ES-B3-FT4-1	Floor tile and mastic
11	ES-B3-FT4-2	
12	ES-B3-FT4-3	
13	ES-B3-FT5-1	Floor tile and mastic
14	ES-B3-FT5-2	
15	ES-B3-FT5-3	
16	ES-B3-FT6-1	Floor tile and mastic
17	ES-B3-FT6-2	
18	ES-B3-FT6-3	
19	ES-B3-FT7-1	Floor tile and mastic
20	ES-B3-FT7-2	
21	ES-B3-FT7-3	
22	ES-B3-FT8-1	Floor tile and mastic
23	ES-B3-FT8-2	
24	ES-B3-FT8-3	
25	ES-B3-FT9-1	Floor tile and mastic
26	ES-B3-FT9-2	
27	ES-B3-FT9-3	
28	ES-B3-CM1-1	Carpet mastic
29	ES-B3-CM1-2	
30	ES-B3-CM1-3	
31	ES-B3-CM2-1	Carpet mastic
32	ES-B3-CM2-2	
33	ES-B3-CM2-3	
34	ES-B3-CM3-1	Carpet mastic
35	ES-B3-CM3-2	
36	ES-B3-CM3-3	
37	ES-B3-CBM1-1	Cove base mastic
38	ES-B3-CBM1-2	
39	ES-B3-CBM1-3	
40	ES-B3-CBM2-1	Cove base mastic
41	ES-B3-CBM2-2	
42	ES-B3-CBM2-3	
43	ES-B3-CBM3-1	Cove base mastic
44	ES-B3-CBM3-2	
45	ES-B3-CBM3-3	
46	ES-B3-CBM4-1	Cove base mastic
47	ES-B3-CBM4-2	
48	ES-B3-CBM4-3	
49	ES-B3-CBM5-1	Cove base mastic
50	ES-B3-CBM5-2	
51	ES-B3-CBM5-3	

52	ES-B3-DC-1	Door caulk
53	ES-B3-DC-2	
54	ES-B3-DC-3	
55	ES-B3-EJ-1	Expansion joint
56	ES-B3-EJ-2	
57	ES-B3-EJ-3	
58	ES-B3-RF-1	Roofing
59	ES-B3-RF-2	
60	ES-B3-RF-3	
61	ES-B3-PLC-1	Plaster ceiling
62	ES-B3-PLC-2	
63	ES-B3-PLC-3	
64	ES-B3-PLC-4	
65	ES-B3-PLC-5	
66	ES-B3-PLC-6	
67	ES-B3-PLC-7	
68	ES-B3-EXC-1	Exterior caulk
69	ES-B3-EXC-2	
70	ES-B3-EXC-3	
71	ES-B3-WT-1	Wall tile and mastic
72	ES-B3-WT-2	
73	ES-B3-WT-3	
74	ES-B3-WM-1	Wall mastic
75	ES-B3-WM-2	
76	ES-B3-WM-3	
77	ES-B3-WG-1	Window glazing
78	ES-B3-WG-2	
79	ES-B3-WG-3	
80	ES-B3-WG-4	
81	ES-B3-WG-5	
82	ES-B3-WC-1	Window caulk
83	ES-B3-WC-2	
84	ES-B3-WC-3	
85	ES-B3-SU-1	Sink undercoat
86	ES-B3-SU-2	
87	ES-B3-SU-3	
88	ES-B3-CT1-1	Ceiling tile
89	ES-B3-CT1-2	
90	ES-B3-CT1-3	
91	ES-B3-CT2-1	Ceiling tile
92	ES-B3-CT2-2	
93	ES-B3-CT2-3	
94	ES-B3-CT3-1	Ceiling tile
95	ES-B3-CT3-2	
96	ES-B3-CT3-3	
97	ES-B3-CT4-1	Ceiling tile
98	ES-B3-CT4-2	
99	ES-B3-CT4-3	
100	ES-B3-ELB-1	TSI Elbow
101	ES-B3-ELB-2	
102	ES-B3-ELB-3	

Presumed ACMs include:
- Lab tables in Rooms 325 and 326



Legend

- ACM Sample Location
- Non-ACM Sample Location

ACM Asbestos-Containing Material

N

Drawing not to scale

Former Edon School
309 West Indiana Street
Edon, Ohio 43518

Figure 5
Building 3
Asbestos Sample Location Map

TETRA TECH

Prepared For: WCLRC

Prepared By: Nick Wiederholt

File Path: X:\R5_Projects\Former_Edon_School_103Z534304_103Z534305\Projects\mxd\Figure5_ACM_Bldg3.mxd

Date Saved: 4/13/2022

Coordinate System: NAD 1983 UTM Zone 16N

TABLES

Table 1 - Asbestos Sample Locations and Descriptions

Sample ID	Material	Color/Description	Location(s)	Friable/Non Friable
Building 1				
ES-B1-FT1-1, 2, 3	Floor tile and mastic	Beige floor tile, tan mastic	Rooms 213, 319	Non Friable
ES-B1-FT2-1, 2, 3	Floor tile and mastic	Gray floor tile, tan mastic	Room 322	Non Friable
ES-B1-FT3-1, 2, 3	Floor tile and mastic	Brown linoleum, brown mastic	Rooms 308, 309, 311, 313, 314A, 321	Non Friable
ES-B1-FT4-1, 2, 3	Floor tile and mastic	Gray floor tile, tan mastic	Rooms 305A, 314	Non Friable
ES-B1-FT5-1, 2, 3	Floor tile and mastic	Beige floor tile, tan mastic, white leveling compound	Room 305	Non Friable
ES-B1-FT6-1, 2, 3	Floor tile and mastic	Gray floor tile, yellow/brown mastic, white leveling compound	Room 306	Non Friable
ES-B1-FT7-1, 2, 3	Floor tile and mastic	Tan floor tile, brown mastic, gray leveling compound	Room 304	Non Friable
ES-B1-FT8-1, 2, 3	Floor tile and mastic	Brown linoleum	Downstairs hallway	Non Friable
ES-B1-CM1-1, 2, 3	Carpet mastic	Tan mastic	Room 213	Non Friable
ES-B1-CM2-1, 2, 3	Carpet mastic	Tan mastic	Room 224	Non Friable
ES-B1-CM3-1, 2, 3	Carpet mastic	Tan mastic	Rooms 301, 309	Non Friable
ES-B1-CM4-1, 2, 3	Carpet mastic	Beige mastic	Room 310	Non Friable
ES-B1-CM5-1, 2, 3	Carpet mastic	Tan mastic	Room 309	Non Friable
ES-B1-CM6-1, 2, 3	Carpet mastic	Brown/black mastic	Rooms 314A, 317, 318	Non Friable
ES-B1-CM7-1, 2, 3	Carpet mastic	Yellow/black and tan mastic	Room 315	Non Friable
ES-B1-CM8-1, 2, 3	Carpet mastic	Tan/black mastic	Room 303	Non Friable
ES-B1-CBM1-1, 2, 3	Cove base mastic	Brown cove base, yellow mastic	Rooms 213, 305, and downstairs hall	Non Friable
ES-B1-CBM2-1, 2, 3	Cove base mastic	Gray/blue cove base, yellow mastic, white texture	Rooms 305A, 314, 322	Non Friable
ES-B1-CBM3-1, 2, 3	Cove base mastic	Black cove base, yellow mastic	Rooms 304, 314A, downstairs hall	Non Friable
ES-B1-CBM4-1, 2, 3	Cove base mastic	Beige cove base, cream mastic	Rooms 303, 315	Non Friable
ES-B1-PLC-1 - 7	Plaster ceiling	White skim coat, gray plaster	Halls, 311, 314, 319, 213, Gym, 224, 321, 301, 310, 309, 312, 313, 308, 314A, 310A, 305, 305A, AG Shop, Restrooms, 303, 315	Friable
ES-B1-PLW-1 - 7	Plaster walls	White skim coat, tan plaster, white texture	Halls, 319, 306, 305, 304, 311, 313, 322, 321, 310, 314A, 314, 308, 310A, RRs, 317, 318	Friable
ES-B1-CT1-1, 2, 3	Ceiling tile	White ceiling tile	Rooms 322, 321, 312, 308, 305A, 305, RRs, 315, 303	Friable
ES-B1-CT2-1, 2, 3	Ceiling tile	White ceiling tile	Employee restroom, Rooms 216 and 301	Friable
ES-B1-CT3-1, 2, 3	Ceiling tile	White ceiling tile	Rooms 311, 313, 314A	Friable
ES-B1-CT4-1, 2, 3	Ceiling tile	White ceiling tile	Room 309	Friable
ES-B1-CT5-1, 2, 3	Ceiling tile	White ceiling tile	Rooms 304, 306, 319	Friable

Table 1 - Asbestos Sample Locations and Descriptions

Sample ID	Material	Color/Description	Location(s)	Friable/Non Friable
ES-B1-CT6-1, 2, 3	Ceiling tile	White ceiling tile	Rooms 317, 318	Friable
ES-B1-SU-1, 2, 3	Sink undercoat	Gray undercoat	Room 319	Non Friable
ES-B1-DWJC-1 - 7	Drywall	White/gray sheetrock, white joint compound	Rooms 301, 303, 305, 305A, 309, 314, 314A, 315, 317, 318, Restrooms	Non Friable
ES-B1-DC-1, 2, 3	Door caulk	Gray caulk	Exterior doors	Non Friable
ES-B1-WC-1, 2, 3	Window caulk	Brown caulk	Exterior windows	Non Friable
ES-B1-EXC-1, 2, 3	Exterior caulk	Dark gray caulk, white window glaze	Exterior door frames	Non Friable
ES-B1-TSI-1, 2, 3, 4	Pipe wrap	White wrap, white insulation	Room 213, Furnace Room, Employee RR, 322, 321, 227, Locker Room, 301, Boiler Room, Gym, Stage, 305, AG Shop	Friable
Not sampled	Fire doors	Doors	Furnace and boiler rooms	Non Friable
Not sampled	Furnace	Solar furnace	Furnace room under bleachers	Non Friable
Not sampled	TSI	Pipe runs	Furnace room under bleachers	Friable
Not sampled	Lab tables	Lab table tops	Room 311	Non Friable
Not sampled	Transite	Transite panel	Room 311	Non Friable
Not sampled	Roofing	Roofing material	Building 1 roof - assumed to be the same as Building 3 roof	Non Friable
Building 2				
ES-B2-FT1-1, 2, 3	Floor tile and mastic	Blue floor tile, black mastic	Hallway, Rooms 203 and 205	Non Friable
ES-B2-FT2-1, 2, 3	Floor tile and mastic	Beige/blue floor tile, black/yellow mastic, white leveling compound	Hallway, Rooms 203 and 205	Non Friable
ES-B2-FT3-1, 2, 3	Floor tile and mastic	Gray/white floor tile, tan mastic	Room 204	Non Friable
ES-B2-FT4-1, 2, 3	Floor tile and mastic	Tan/maroon floor tile, black mastic	Rooms 207 and 208	Non Friable
ES-B2-FT5-1, 2, 3	Floor tile and mastic	Blue/white floor tile, brown mastic	Room 208	Non Friable
ES-B2-FT6-1, 2, 3	Floor tile and mastic	Red/white floor tile, black/yellow mastic	Room 208	Non Friable
ES-B2-FT7-1, 2, 3	Floor tile and mastic	Beige floor tile, black/yellow mastic	Rooms 201, 208, 210	Non Friable
ES-B2-FT8-1, 2, 3	Floor tile and mastic	Tan/beige floor tile, black mastic	Room 208	Non Friable
ES-B2-FT9-1, 2, 3	Floor tile and mastic	Bege/brown floor tile, black mastic	Room 202	Non Friable
ES-B2-FT10-1, 2, 3	Floor tile and mastic	White/black floor tile, black mastic	Room 211	Non Friable
ES-B2-FT11-1, 2, 3	Floor tile and mastic	Brown floor tile, black mastic	Room 212	Non Friable
ES-B2-FT12-1, 2, 3	Floor tile	Green linoleum	Rooms 206, 209	Non Friable
ES-B2-CBM-1, 2, 3	Cove base mastic	Gray cove base, cream/brown mastic	Hallway, Rooms 204 and 211	Non Friable
ES-B2-CBM2-1, 2, 3	Cove base mastic	Black cove base, yellow/brown mastic	Rooms 205, 206, 204, 207, 203, 208, 202, 201, 210, 212	Non Friable
ES-B2-CBM3-1, 2, 3	Cove base mastic	Brown cove base, brown mastic	Room 202	Non Friable
ES-B2-CT-1, 2, 3	Ceiling tile	White ceiling tile	Room 212	Friable
ES-B2-CLK-1, 2, 3	Chalkboard	Green chalkboard	Every classroom	Non Friable
ES-B2-DC-1, 2, 3	Door caulk	Black caulk	Exterior doors	Non Friable

Table 1 - Asbestos Sample Locations and Descriptions

Sample ID	Material	Color/Description	Location(s)	Friable/Non Friable
ES-B2-EJ-1, 2, 3	Expansion joint	White expansion joint	Exterior	Non Friable
ES-B2-RF-1, 2, 3	Roofing	Black roofing	Exterior roof	Non Friable
ES-B2-PLW-1 - 7	Plaster walls	White skim coat, gray plaster	Rooms 205, 206, 204, 207, 203, 208, 202, 201, 211	Friable
ES-B2-DWJC-1 - 7	Drywall	White sheetrock	Rooms 205, 206, 204, 207, 203, 208, 202, 201, 211	Non Friable
Not sampled	TSI	Pipe runs and elbows	Throughout	Friable
Building 3				
ES-B3-FT1-1, 2, 3	Floor tile and mastic	Green floor tile, black mastic	Rooms 327, 338, hallway	Non Friable
ES-B3-FT2-1, 2, 3	Floor tile and mastic	Brown floor tile, black mastic	Concession, Rooms 326 and 331	Non Friable
ES-B3-FT3-1, 2, 3	Floor tile and mastic	Brown floor tile, black mastic	Gym	Non Friable
ES-B3-FT4-1, 2, 3	Floor tile and mastic	Beige floor tile, yellow/black mastic	Cafeteria, Rooms 328 and 333	Non Friable
ES-B3-FT5-1, 2, 3	Floor tile and mastic	Beige floor tile, yellow/black mastic	Kitchen	Non Friable
ES-B3-FT6-1, 2, 3	Floor tile and mastic	Blue floor tile, yellow mastic	Room 350	Non Friable
ES-B3-FT7-1, 2, 3	Floor tile and mastic	Gray floor tile, yellow mastic	Room 351	Non Friable
ES-B3-FT8-1, 2, 3	Floor tile and mastic	Brown floor tile, black mastic	Room 324	Non Friable
ES-B3-FT9-1, 2, 3	Floor tile and mastic	Tan floor tile, black mastic	Room 325	Non Friable
ES-B3-CM1-1, 2, 3	Carpet mastic	Yellow/black mastic	Room 329	Non Friable
ES-B3-CM2-1, 2, 3	Carpet mastic	Green mastic	Band room	Non Friable
ES-B3-CM3-1, 2, 3	Carpet mastic	Green mastic	Music room	Non Friable
ES-B3-CBM1-1, 2, 3	Cove base mastic	Brown cove base, brown mastic	Halls	Non Friable
ES-B3-CBM2-1, 2, 3	Cove base mastic	Brown cove base, brown mastic	Room 338	Non Friable
ES-B3-CBM3-1, 2, 4	Cove base mastic	Brown cove base, yellow mastic	Cafeteria	Non Friable
ES-B3-CBM4-1, 2, 3	Cove base mastic	Blue cove base, tan mastic	Band room	Non Friable
ES-B3-CBM5-1, 2, 3	Cove base mastic	Blue cove base, yellow mastic	Music, Rooms 350 and 351	Non Friable
ES-B3-DC-1, 2, 3	Door caulk	Black caulk	Exterior doors	Non Friable
ES-B3-EJ-1, 2, 3	Expansion joint	White expansion joint, black insulation	Exterior	Non Friable
ES-B3-RF-1, 2, 3	Roofing	Black/tan roofing	Exterior roof	Non Friable
ES-B3-PLC-1 - 7	Plaster ceiling	White skim coat, gray plaster	Hallway, Concession, Gym, Locker Rooms, Restrooms	Friable
ES-B3-EXC-1, 2, 3	Exterior caulk	Gray caulk	Exterior	Non Friable
ES-B3-WT-1, 2, 3	Wall tile	White acoustic tile, brown mastic	Room 329	Friable
ES-B3-WM-1, 2, 3	Wall mastic	Yellow mastic	Gym	Non Friable
ES-B3-WG-1 - 5	Window glazing	White glazing	Exterior windows	Friable
ES-B3-WC-1, 2, 3	Window caulk	Gray caulk	Exterior windows	Non Friable
ES-B3-SU-1, 2, 3	Sink undercoat	Gray undercoat	Band, concession	Non Friable
ES-B3-CT1-1, 2, 3	Ceiling tile	White ceiling tile	Halls, 338, 350, 351, 328, 329, 327, 326, 333, 331, 325, 324	Friable
ES-B3-CT2-1, 2, 3	Ceiling tile	White ceiling tile	Cafeteria, kitchen	Friable

Table 1 - Asbestos Sample Locations and Descriptions

Sample ID	Material	Color/Description	Location(s)	Friable/Non Friable
ES-B3-CT3-1, 2, 3	Ceiling tile	White ceiling tile	Band, music	Friable
ES-B3-CT4-1, 2, 3	Ceiling tile	White drywall ceiling tile	Band, music	Non Friable
ES-B3-ELB-1, 2, 3	TSI elbow	White insulation	Throughout	Friable
Not sampled	Lab tables	Lab table tops	Rooms 325 and 326	Non Friable

Notes:

CBM = Cove Base Mastic
CLK = Chalkboard
CM = Carpet mastic
CT = Ceiling tile
DC = Door caulk
DWJC = Drywall joint compound
EJ = Expansion joint
ELB = TSI Elbow
EXC = Exterior caulk
FT = Floor Tile
PLC = Plaster ceiling
PLW = Plaster wall
RF = Roofing
SU = Sink undercoat
TSI = Thermal system insulation
WC = Window Caulk
WG = Window glaze
WM = Wall mastic
WT = Wall tile

Sources:

Tetra Tech Field Notes
QuanTem Laboratory Analytical Reports

Table 2 - Positive Asbestos Sample Results

Sample ID	Material	Location	Friable/Non Friable	Condition Evaluation	Approximate Area Linear Feet (LF) Square Feet (SF)	% and Type of Asbestos
Building 1						
ES-B1-FT6-1	Yellow/brown mastic	306	Non Friable	Good	660 SF	5% Chrysotile
ES-B1-FT7-1	Brown/tan mastic	304	Non Friable	Good	640 SF	5% Chrysotile
ES-B1-FT8-1	Brown linoleum	Downstairs hallway	Non Friable	Good	1,110 SF	20% Chrysotile
ES-B1-CM6-1	Brown/black mastic	314A, 317, 318	Non Friable	Good	1,050 SF	0.25% Chrysotile
ES-B1-CM7-3	Yellow/black mastic	315	Non Friable	Fair (water damage)	300 SF	0.25% Chrysotile
ES-B1-CM8-1	Tan/black mastic	303	Non Friable	Good	380 SF	<0.25% Chrysotile
ES-B1-CM8-2						0.50% Chrysotile
ES-B1-CM8-3						0.75% Chrysotile
ES-B1-CT1-1	White ceiling tile	322, 321, 312, 308, 305A, 305, RRs, 315, 303	Friable	Good	5,000 SF	4% Chrysotile
ES-B1-CT6-1	White ceiling tile	317, 318	Friable	Good	1,200 SF	4% Chrysotile 2% Amosite
ES-B1-EXC-1	White window glaze	Exterior door frames	Non Friable	Good	30 LF	5% Chrysotile
Not sampled	Fire Doors	Furnace and boiler rooms	Non Friable	Good	2 doors	PACM
Not sampled	Solar furnace	Furnace room under bleachers	Non Friable	Good	1 furnace	PACM
Not sampled	Pipe runs and tank wrap	Furnace room under bleachers, throughout building	Friable	Fair	1,000 LF; 200 SF	PACM
Not sampled	Lab table tops	Room 311	Non Friable	Good	60 SF	PACM
Not sampled	Transite panel	Room 311	Non Friable	Good	24 SF	PACM
Building 2						
ES-B2-FT1-1	Black mastic	Halls, 203, 205	Non Friable	Good	1,500 SF	4% Chrysotile
ES-B2-FT2-1	Black/yellow mastic	Halls, 203, 205	Non Friable	Good	1,500 SF	4% Chrysotile
ES-B2-FT4-1	Tan/maroon floor tile	207, 208	Non Friable	Good	800 SF	6% Chrysotile
	Black mastic					6% Chrysotile
ES-B2-FT5-1	Blue/white floor tile	208	Non Friable	Good	100 SF	6% Chrysotile
ES-B2-FT6-1	Red/white floor tile	208	Non Friable	Good	400 SF	5% Chrysotile
	Black/yellow mastic					4% Chrysotile
ES-B2-FT7-1	Black/yellow mastic	201, 208, 210	Non Friable	Good	1,000 SF	6% Chrysotile
ES-B2-FT8-1	Black mastic	208	Non Friable	Good	400 SF	4% Chrysotile
ES-B2-FT9-1	Black mastic	202	Non Friable	Good	800 SF	6% Chrysotile
ES-B2-FT10-1	Black mastic	211	Non Friable	Good	900 SF	7% Chrysotile
ES-B2-FT11-1, 2, 3	Brown floor tile	212	Non Friable	Good	200 SF	6% Chrysotile
	Black mastic					6% Chrysotile
ES-B2-FT12-1, 2, 3	Green linoleum	206, 209	Non Friable	Good	900 SF	15% Chrysotile
ES-B2-CLK-1	Green chalkboard	Every classroom	Non Friable	Good	550 SF	30% Chrysotile
ES-B2-EJ-1	White expansion joint	Exterior	Non Friable	Fair	100 LF	5% Chrysotile
ES-B2-RF-1	Black roofing	Exterior	Non Friable	Good	15,000 SF	8% Chrysotile

Table 2 - Positive Asbestos Sample Results

Sample ID	Material	Location	Friable/Non Friable	Condition Evaluation	Approximate Area Linear Feet (LF) Square Feet (SF)	% and Type of Asbestos
Not sampled	TSI	Throughout	Friable	Fair	40 LF of 4", 330 LF of 2", and 10 LF of 6"	PACM
Building 3						
ES-B3-FT1-1	Green floor tile	Halls, 327, 338	Non Friable	Fair	7,100 SF	6% Chrysotile
	Black mastic					8% Chrysotile
ES-B3-FT2-1	Brown floor tile	Concession, 326, 331	Non Friable	Good	2,250 SF	4% Chrysotile
	Black mastic					8% Chrysotile
ES-B3-FT3-1	Brown floor tile	Gym	Non Friable	Good	1,500 SF	6% Chrysotile
	Black mastic					8% Chrysotile
ES-B3-FT4-1	Yellow/black mastic	Cafeteria, 328, 333	Non Friable	Good	4,000 SF	6% Chrysotile
ES-B3-FT5-1	Yellow/black mastic	Kitchen	Non Friable	Good	1,400 SF	6% Chrysotile
ES-B3-FT8-1	Brown floor tile	324	Non Friable	Good	350 SF	6% Chrysotile
	Black mastic					8% Chrysotile
ES-B3-FT9-1	Black mastic	325	Non Friable	Good	1,200 SF	8% Chrysotile
ES-B3-CM1-1	Yellow/black mastic	329	Non Friable	Good	1,100 SF	4% Chrysotile
ES-B3-WT-1	Brown mastic	329	Non Friable	Good	250 SF	4% Chrysotile
ES-B3-WG-1	White window glazing	All exterior windows	Friable	Poor	1,875 LF	4% Chrysotile
ES-B3-ELB-1	White TSI	Throughout	Friable	Fair	250 Elbows	10% Chrysotile
Not sampled	Lab table tops	Rooms 325 and 326	Non Friable	Good	400 SF	PACM

Notes:
TSI was observed to be both Air cell insulation and fiberglass. Insulation labeled as asbestos containing was not sampled.
Approximate quantity of ACM materials was determined in the field by Tetra Tech professionals.

CLK = Chalkboard
CM = Carpet mastic
CT = Ceiling tile
EJ = Expansion joint
ELB = TSI Elbow
EXC = Exterior caulk
FT = Floor Tile
PACM = Presumed Asbestos-Containing Material
RF = Roofing
SF = Square Feet
LF = Linear Feet
TSI = Thermal system insulation
WG = Window glaze
WT = Wall tile

Condition Evaluation:
Good = Little to no damage observed
Fair = 10% of overall material damaged, or 25% localized
Poor = Over 10%/25% damaged

Sources:
Tetra Tech Field Notes
QuanTem Laboratory Analytical Reports
Asbestos Hazard Emergency Response Act
National Emissions Standards for Hazardous Pollutants

APPENDIX A

INSPECTOR CREDENTIALS

[redacted]

State of Ohio
Environmental Protection Agency
Asbestos Program

Asbestos Hazard Evaluation Specialist

Dustin
Grams

PSI
5555 Canal Road
Cleveland OH 44125

DOB: 7/1/79

Card not Valid if Altered

Certification Number	Expiration Date
ES544217	7/13/22

APPENDIX B

PHOTOGRAPHIC LOG

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B1-EXC, window glazing behind exterior caulk on Building 1.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B1-TSI-1, TSI within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B1-CM6, carpet mastic within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B1-CM7, carpet mastic within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B1-CM8-1, carpet mastic within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B1-CT1, ceiling tile within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B1-CT6, ceiling tile within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B1-FT6, mastic associated with show floor tile within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

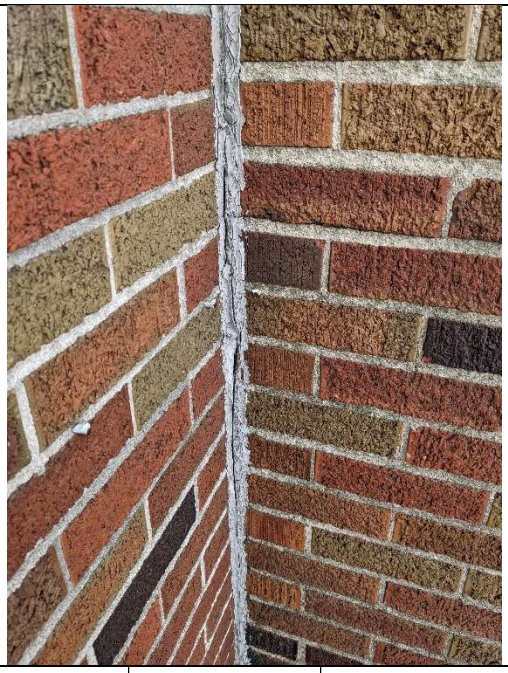
Positive asbestos sample ES-B1-FT7, mastic associated with shown floor tile within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B1-FT8, linoleum floor tile within Building 1.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B2-CLK, chalkboard within Building 2.



Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B2-EJ, expansion joint on Building 2.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B2-FT1, mastic associated with floor tile shown in Building 2.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B2-FT2, mastic associated with floor tile shown in Building 2.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B2-FT4, floor tile and mastic within Building 2.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B3-FT5, floor tile within Building 2.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B2-FT6, floor tile and mastic within Building 2.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B2-FT8, mastic associated with floor tile shown within Building 2.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B2-FT9, mastic associated with floor tile shown within Building 2.

Date: 3/9/2022		**Photographer:** D. Grams

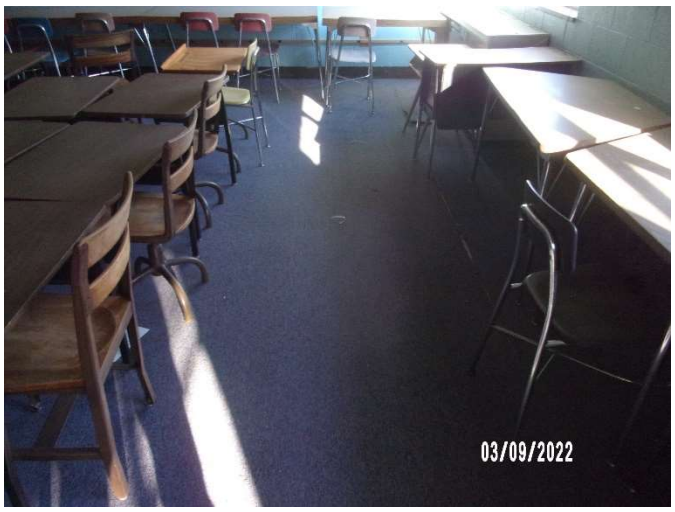
Positive asbestos sample ES-B2-FT10, mastic associated with floor tile shown within Building 2.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B2-FT12, green linoleum within Building 2.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B2-RF1, roofing associated with Building 2.



Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-CM1, carpet mastic within Building 3.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B3-ELB-1, TSI elbow within Building 3.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-FT1, floor tile and mastic within Building 3.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-FT2, floor tile and mastic within Building 3.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-FT3, floor tile and mastic within Building 3.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-FT4, mastic associated with floor tile shown within Building 3.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-FT5, mastic associated with floor tile shown within Building 3.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-FT9, mastic associated with floor tile shown within Building 3.

Date: 3/9/2022		**Photographer:** D. Grams

Positive asbestos sample ES-B3-WG, window glazing on Building 3 windows.

Date: 3/9/2022		**Photographer:** W. Williams

Positive asbestos sample ES-B3-WT1, mastic dots associated with wall tiles within Building 3.

Date: 3/9/2022		**Photographer:** D. Grams

Example of labeled asbestos pipe wrap within Building 2. The TSI was not sampled but assumed to be positive.

Date: 3/9/2022		**Photographer:** D. Grams

Assumed positive steam supply lines within the boiler room of Building 1.

Date: 3/9/2022		**Photographer:** D. Grams

A tank within the boiler room of Building 1 with presumed positive insulation.

Date: 3/9/2022		**Photographer:** D. Grams

View of the furnace within Building 1.

Date: 3/10/2022		**Photographer:** D. Grams

View of a presumed positive fire door within Building 1.

Date: 3/9/2022		**Photographer:** D. Grams

View of a presumed positive TSI pipe run within the gym.

APPENDIX C

LABORATORY ANALYTICAL REPORT

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344562
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/18/2022
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	ES-B1-FT1-1	Layered	Beige/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
001a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
002	ES-B1-FT1-2	Layered	Beige/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
002a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
003	ES-B1-FT1-3	Layered	Beige/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
003a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
004	ES-B1-FT2-1	Layered	Gray Flooring	Asbestos Not Present	Glass Fiber 5 Synthetic 5	Vinyl CaCO3

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NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
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Project Location: Edon , OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
004a		Layered	Tan Mastic	Asbestos Not Present	NA		Glue
005	ES-B1-FT2-2	Layered	Gray Flooring	Asbestos Not Present	Glass Fiber Synthetic	5 5	Vinyl CaCO3
005a		Layered	Tan Mastic	Asbestos Not Present	NA		Glue
006	ES-B1-FT2-3	Layered	Gray Flooring	Asbestos Not Present	Glass Fiber Synthetic	5 5	Vinyl CaCO3
006a		Layered	Tan Mastic	Asbestos Not Present	NA		Glue
007	ES-B1-FT3-1	Layered	Brown Linoleum	Asbestos Not Present	Cellulose	35	CaCO3 Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
008	ES-B1-FT3-2	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 35	CaCO3 Vinyl
008a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
009	ES-B1-FT3-3	Layered	Brown Linoleum	Asbestos Not Present	Cellulose 35	CaCO3 Vinyl
009a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
010	ES-B1-FT4-1	Layered	Gray/Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
010a		Layered	Tan/Brown Mastic	Asbestos Not Present	NA	Glue

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	ES-B1-FT4-2	Layered	Gray/Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
011a		Layered	Tan/Brown Mastic	Asbestos Not Present	NA	Glue
012	ES-B1-FT4-3	Layered	Gray/Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
012a		Layered	Tan/Brown Mastic	Asbestos Not Present	NA	Glue
013	ES-B1-FT5-1	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
013a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue

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Project Location: Edon , OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013b		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3 Gypsum
014	ES-B1-FT5-2	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
014a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
014b		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3 Gypsum
015	ES-B1-FT5-3	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
015a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
015b		Layered	White Leveling Compound	Asbestos Not Present	NA	CaCO3 Gypsum

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Project Location: Edon , OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	ES-B1-FT6-1	Layered	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
016a		Layered	Yellow/Brown Mastic	Asbestos Present Chrysotile 5	NA	Glue
017	ES-B1-FT6-2	Layered	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
017a		Layered	Gray Caulk	Asbestos Not Present	NA	Binder CaCO3
017b		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
017c		Layered	White Leveling Compound	Asbestos Not Present	NA	Gypsum

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	ES-B1-FT6-3	Layered	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
018a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
019	ES-B1-FT7-1	Layered	Tan/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
019a		Layered	Brown/Tan Mastic	Asbestos Present Chrysotile 5	NA	Glue
019b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
020	ES-B1-FT7-2	Layered	Tan/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
020a		Layered	** Mastic	Asbestos Not Present	NA	Glue

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020b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
021	ES-B1-FT7-3	Layered	Tan/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
021a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
021b		Layered	Gray Leveling Compound	Asbestos Not Present	NA	CaCO3 Sand
022	ES-B1-FT8-1	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 20	NA	Vinyl CaCO3
023	ES-B1-FT8-2	Homogeneous	** Sheet Vinyl	**	Not Analyzed	
Positive Stop						

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024	ES-B1-FT8-3	Homogeneous	** Sheet Vinyl	**	Not Analyzed	
Positive Stop						
025	ES-B1-CM1-1	Layered	Brown/White Carpet	Asbestos Not Present	Synthetic 90	Binder
025a		Layered	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
026	ES-B1-CM1-2	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
027	ES-B1-CM1-3	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
028	ES-B1-CM2-1	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
029	ES-B1-CM2-2	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3

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030	ES-B1-CM2-3	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
031	ES-B1-CM3-1	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
032	ES-B1-CM3-2	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
033	ES-B1-CM3-3	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
034	ES-B1-CM4-1	Layered	Yellow Padding	Asbestos Not Present	NA	Foam Binder
034a		Layered	Beige Carpet Mastic	Asbestos Not Present	NA	Glue

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035	ES-B1-CM4-2	Layered	Yellow Padding	Asbestos Not Present	NA	Foam Binder
035a		Layered	Brown Carpet Mastic	Asbestos Not Present	NA	Glue
036	ES-B1-CM4-3	Homogeneous	Yellow Padding	Asbestos Not Present	NA	Foam Binder
037	ES-B1-CM5-1	Layered	Brown/Gray Carpet	Asbestos Not Present	Synthetic 97	Binder
037a		Layered	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
038	ES-B1-CM5-2	Layered	Brown/Gray Carpet	Asbestos Not Present	Synthetic 97	Binder
038a		Layered	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3

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039	ES-B1-CM5-3	Layered	Brown/Gray Carpet	Asbestos Not Present	Synthetic 97	Binder
039a		Layered	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
040	ES-B1-CM6-1	Layered	Brown/Black Carpet Mastic	Asbestos Present Chrysotile <1	NA	Glue Tar
040a		Layered	Brown/Black Carpet Mastic	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
041	ES-B1-CM6-2	Homogeneous	Brown Carpet Mastic	Asbestos Not Present	NA	Glue
042	ES-B1-CM6-3	Homogeneous	Yellow Carpet Mastic	Asbestos Not Present	NA	Glue

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043	ES-B1-CM7-1	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
044	ES-B1-CM7-2	Homogeneous	Tan Carpet Mastic	Asbestos Not Present	NA	Glue CaCO3
045	ES-B1-CM7-3	Layered	Yellow/Black Carpet Mastic	Asbestos Present Chrysotile <1	NA	Glue Tar
045a		Layered	Yellow/Black Carpet Mastic	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
046	ES-B1-CM8-1	Layered	Tan/Black Carpet Mastic	Asbestos Present Chrysotile <1	NA	Glue Tar
046a		Layered	Tan/Black Carpet Mastic	Asbestos Present Chrysotile <0.25 400 Point Count	NA	

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Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
047	ES-B1-CM8-2	Layered	Tan/Black Carpet Mastic	Asbestos Present Chrysotile <1	NA	Glue CaCO3
047a		Layered	Tan/Black Carpet Mastic	Asbestos Present Chrysotile 0.50 400 Point Count	NA	
048	ES-B1-CM8-3	Layered	Tan/Brown Carpet Mastic	Asbestos Present Chrysotile <1	NA	Glue
048a		Layered	Tan/Brown Carpet Mastic	Asbestos Present Chrysotile 0.75 400 Point Count	NA	
049	ES-B1-CBM1-1	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
049a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344562
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/18/2022
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
050	ES-B1-CBM1-2	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
050a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue CaCO3
051	ES-B1-CBM1-3	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
051a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue CaCO3
052	ES-B1-CBM2-1	Layered	Gray/Blue Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
052a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
052b		Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
053	ES-B1-CBM2-2	Layered	Gray/Blue Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
053a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
054	ES-B1-CBM2-3	Layered	Gray/Blue Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
054a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
055	ES-B1-CBM3-1	Layered	Black Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
055a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
056	ES-B1-CBM3-2	Layered	Black Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
056a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
057	ES-B1-CBM3-3	Layered	Black Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
057a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
058	ES-B1-CBM4-1	Layered	Beige Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
058a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue CaCO3
059	ES-B1-CBM4-2	Layered	Beige Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
059a		Layered	Beige Mastic	Asbestos Not Present	NA	Glue CaCO3
060	ES-B1-CBM4-3	Layered	Beige Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
060a		Layered	Cream/Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
061	ES-B1-PLC-1	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3
061a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum CaCO3 Sand
062	ES-B1-PLC-2	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
062a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum CaCO3 Sand
063	ES-B1-PLC-3	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
063a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
064	ES-B1-PLC-4	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
064a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
065	ES-B1-PLC-5	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
065a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	<1	CaCO3 Sand
066	ES-B1-PLC-6	Homogeneous	White Plaster	Asbestos Not Present	Cellulose	<1	CaCO3 Sand Paint
067	ES-B1-PLC-7	Homogeneous	White Plaster	Asbestos Not Present	Cellulose	<1	CaCO3 Sand Paint
068	ES-B1-PLW-1	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Paint
068a		Layered	Tan Plaster	Asbestos Not Present	NA		Sand CaCO3
069	ES-B1-PLW-2	Layered	White Skim Coat	Asbestos Not Present	NA		CaCO3 Sand Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
069a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Sand
070	ES-B1-PLW-3	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum Paint
070a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
070b		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
071	ES-B1-PLW-4	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
071a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
071b		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand

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Project: Edon School
Project Location: Edon , OH
Project Number: 103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
072	ES-B1-PLW-5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
072a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
072b		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
073	ES-B1-PLW-6	Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
073a		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
074	ES-B1-PLW-7	Layered	White Texture	Asbestos Not Present	NA	Gypsum Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
074a		Layered	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
074b		Layered	Gray Plaster	Asbestos Not Present	Cellulose <1	CaCO3 Sand
075	ES-B1-CT1-1	Homogeneous	White Ceiling Tile	Asbestos Present Chrysotile 4	Glass Fiber 90	Paint
076	ES-B1-CT1-2	Homogeneous	** Ceiling Tile	**	Not Analyzed	
Positive Stop						
077	ES-B1-CT1-3	Homogeneous	** Ceiling Tile	**	Not Analyzed	
Positive Stop						
078	ES-B1-CT2-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint
079	ES-B1-CT2-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber 90	Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
080	ES-B1-CT2-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	90	Paint
081	ES-B1-CT3-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	95	Paint
082	ES-B1-CT3-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	95	Paint
083	ES-B1-CT3-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	95	Paint
084	ES-B1-CT4-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint
085	ES-B1-CT4-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
086	ES-B1-CT4-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint
087	ES-B1-CT5-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	95	Paint
088	ES-B1-CT5-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	95	Paint
089	ES-B1-CT5-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose	95	Paint
090	ES-B1-CT6-1	Homogeneous	White Ceiling Tile	Asbestos Present Chrysotile 4 Amosite 2	Glass Fiber	90	Paint
091	ES-B1-CT6-2	Homogeneous	** Ceiling Tile	**	Not Analyzed		
Positive Stop							
092	ES-B1-CT6-3	Homogeneous	** Ceiling Tile	**	Not Analyzed		

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Project Location: Edon , OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
Positive Stop							
093	ES-B1-SU-1	Homogeneous	Gray Sink Undercoat	Asbestos Not Present	Cellulose	20	CaCO3
094	ES-B1-SU-2	Homogeneous	Gray Sink Undercoat	Asbestos Not Present	Cellulose	20	CaCO3
095	ES-B1-SU-3	Homogeneous	Gray Sink Undercoat	Asbestos Not Present	Cellulose	20	CaCO3
096	ES-B1-DWJC-1	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
097	ES-B1-DWJC-2	Layered	White Joint Compound	Asbestos Not Present	NA		CaCO3 Paint
097a		Layered	Gray Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
098	ES-B1-DWJC-3	Homogeneous	Gray Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint
099	ES-B1-DWJC-4	Layered	Tan Wall Paper	Asbestos Not Present	Cellulose	20	Vinyl
099a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
100	ES-B1-DWJC-5	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
101	ES-B1-DWJC-6	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
102	ES-B1-DWJC-7	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	10	Gypsum
103	ES-B1-DC-1	Homogeneous	Gray Caulk	Asbestos Not Present	Talc	2	CaCO3 Binder

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
104	ES-B1-DC-2	Homogeneous	Gray Caulk	Asbestos Not Present	NA	Binder Silicone
105	ES-B1-DC-3	Homogeneous	Gray Caulk	Asbestos Not Present	Talc 2	CaCO3 Binder
106	ES-B1-WC-1	Homogeneous	Brown Caulk	Asbestos Not Present	NA	Binder CaCO3
107	ES-B1-WC-2	Homogeneous	Brown Caulk	Asbestos Not Present	NA	Binder CaCO3
108	ES-B1-WC-3	Homogeneous	Brown Caulk	Asbestos Not Present	NA	Binder CaCO3
109	ES-B1-EXC-1	Layered	Dark Gray Caulk	Asbestos Not Present	NA	Binder CaCO3

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250 W Court St
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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
109a		Layered	White Window Glazing	Asbestos Present Chrysotile	NA 5		CaCO3
110	ES-B1-EXC-2	Homogeneous	Dark Gray Caulk	Asbestos Not Present	NA		Binder CaCO3
111	ES-B1-EXC-3	Layered	Dark Gray Caulk	Asbestos Not Present	NA		Binder CaCO3
111a		Layered	** Window Glazing	**	Not Analyzed		
Positive Stop							
112	ES-B1-TSI-1	Layered	White Wrap	Asbestos Not Present	Glass Fiber	95	Binder
112a		Layered	White Insulation	Asbestos Not Present	Cellulose Glass Fiber Synthetic	15 <1 5	CaCO3
113	ES-B1-TSI-2	Layered	White Wrap	Asbestos Not Present	Glass Fiber	95	Binder

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon , OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
113a		Layered	White Insulation	Asbestos Not Present	Cellulose Glass Fiber Synthetic	15 <1 5	CaCO3
114	ES-B1-TSI-3	Layered	White Wrap	Asbestos Not Present	Glass Fiber	95	Binder
114a		Layered	White Insulation	Asbestos Not Present	Cellulose Glass Fiber Synthetic	15 <1 5	CaCO3
114b		Layered	Light Gray Insulation	Asbestos Not Present	Glass Fiber	10	CaCO3
115	ES-B1-TSI-4	Layered	White Wrap	Asbestos Not Present	Glass Fiber	95	Binder
115a		Layered	Yellow Insulation	Asbestos Not Present	Glass Fiber	100	

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.	344562	Client:	Tetra Tech - Cincinnati 250 W Court St Ste 200 West Cincinnati, OH 45202
Account Number:	C072		
Date Received:	03/17/2022		
Received By:	Robin Brady Naik		
Date Analyzed:	03/18/2022	Project:	Edon School
Analyzed By:	Benjamin Hill	Project Location:	Edon , OH
Methodology:	EPA/600/R-93/116	Project Number:	103Z534304 (Building 1)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous

Benjamin Hill

Benjamin Hill, Assistant Laboratory Manager

3/23/2022

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.

ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only
Lab No. 344562
Accept Reject

Contact Information			
Company: Tetra Tech		Phone: (513) 333-3666	
Contact: Vicky Farmer		Cell Phone: (513) 348-2080	
Account #:		E-mail: vicky.farmer@tetratech.com	
SAMPLED BY:	Name: Wes Williams/Dustin Grams	Date: 3/9/2022	

Project Information	
Project Name:	Edon School
Project Location:	Edon, OH
Project ID:	103Z534304 (Building 1)
P.O. Number:	

Report Results (☑ one box)	
☐	QuanTEM Website
☑	Email vicky.farmer@tetratech.com
☐	Other _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
DUSTIN GRAMS	3/15/2022 16:30	FED EX	NBN	3 17 22 950

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

PLM	
☑	Bulk Analysis (EPA 600/R-93/116)
☐	400 Point Count
☐	1000 Point Count
☐	Gravimetric Preparation
☐	Particle ID

PLM	
☐	Vermiculite Attic Insulation (EPA 600/R-04/004)
☐	Other

PCM	
☐	NIOSH 7400

TEM	
☐	Air- AHERA
☐	Air- NIOSH 7402
☐	Air- ISO 10312
☐	Drinking Water- EPA 100.2
☐	Waste Water- EPA 600/4-83-043

TEM	
☐	Bulk- Presence / Absence EPA600/R-93/116
☐	Bulk- Quantitative [weight%]- Chatfield
☐	Dust- Presence / Absence
☐	Dust- Quantitative [fibers/sq.cm]- ASTM D5755
☐	Other

TURNAROUND TIME	
☐	Rush
☐	Same Day
☐	24 - Hour
☐	3 - Day
☑	5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	ES-B1-FT1-1	☑	Beige w/Brown Fleck	12"x12" Floor Tile w/Mastic		*First positive stop for all samples
2	ES-B1-FT1-2	☑	Beige w/Brown Fleck	12"x12" Floor Tile w/Mastic		submitted for analysis
3	ES-B1-FT1-3	☑	Beige w/Brown Fleck	12"x12" Floor Tile w/Mastic		
4	ES-B1-FT2-1	☑	Grey	Interlocking Floor Tile w/Mastic		* Point count analysis for ALL
5	ES-B1-FT2-2	☑	Grey	Interlocking Floor Tile w/Mastic		results of 3% or less
6	ES-B1-FT2-3	☑	Grey	Interlocking Floor Tile w/Mastic		
7	ES-B1-FT3-1	☑	Brown	Roll Laminate Flooring w/Mastic		
8	ES-B1-FT3-2	☑	Brown	Roll Laminate Flooring w/Mastic		
9	ES-B1-FT3-3	☑	Brown	Roll Laminate Flooring w/Mastic		
10	ES-B1-FT4-1	☑	Grey Blue	12"x12" Floor Tile w/Mastic		

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For Lab Use Only
Lab No. 344567
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	ES-B1-FT4-2	☑	Grey Blue	12"x12" Floor Tile w/Mastic		
12	ES-B1-FT4-3	☑	Grey Blue	12"x12" Floor Tile w/Mastic		
13	ES-B1-FT5-1	☑	Beige Pebble Pattern	12"x12" Floor Tile w/Mastic		
14	ES-B1-FT5-2	☑	Beige Pebble Pattern	12"x12" Floor Tile w/Mastic		
15	ES-B1-FT5-3	☑	Beige Pebble Pattern	12"x12" Floor Tile w/Mastic		
16	ES-B1-FT6-1	☑	Grey w/Blue & White	12"x12" Floor Tile w/Mastic		
17	ES-B1-FT6-2	☑	Grey w/Blue & White	12"x12" Floor Tile w/Mastic		
18	ES-B1-FT6-3	☑	Grey w/Blue & White	12"x12" Floor Tile w/Mastic		
19	ES-B1-FT7-1	☑	Tan w/Brown	12"x12" Floor Tile w/Mastic		
20	ES-B1-FT7-2	☑	Tan w/Brown	12"x12" Floor Tile w/Mastic		
21	ES-B1-FT7-3	☑	Tan w/Brown	12"x12" Floor Tile w/Mastic		
22	ES-B1-FT8-1	☑	Brown Mosaic	Roll Laminate Flooring w/Mastic		
23	ES-B1-FT8-2	☑	Brown Mosaic	Roll Laminate Flooring w/Mastic		
24	ES-B1-FT8-3	☑	Brown Mosaic	Roll Laminate Flooring w/Mastic		
25	ES-B1-CM1-1	☑	Brown Chunky	Carpet Mastic		
26	ES-B1-CM1-2	☑	Tan w/Beige	Carpet Mastic		
27	ES-B1-CM1-3	☑	Tan w/Beige	Carpet Mastic		
28	ES-B1-CM2-1	☑	Purple	Carpet Mastic		
29	ES-B1-CM2-2	☑	Purple	Carpet Mastic		
30	ES-B1-CM2-3	☑	Purple	Carpet Mastic		

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For Lab Use Only
Lab No. 344562
Accept Reject

Project Information

Company: Tetra Tech | Project Name: Edon School | Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	ES-B1-CM3-1	☑	Blue	Carpet Mastic		
32	ES-B1-CM3-2	☑	Blue	Carpet Mastic		
33	ES-B1-CM3-3	☑	Blue	Carpet Mastic		
34	ES-B1-CM4-1	☑	Brown Shag	Carpet Mastic		
35	ES-B1-CM4-2	☑	Brown Shag	Carpet Mastic		
36	ES-B1-CM4-3	☑	Brown Shag	Carpet Mastic		
37	ES-B1-CM5-1	☑	Brown Wall Carpet	Carpet Mastic		
38	ES-B1-CM5-2	☑	Brown Wall Carpet	Carpet Mastic		
39	ES-B1-CM5-3	☑	Brown Wall Carpet	Carpet Mastic		
40	ES-B1-CM6-1	☑	Brown Short	Carpet Mastic		
41	ES-B1-CM6-2	☑	Brown Short	Carpet Mastic		
42	ES-B1-CM6-3	☑	Brown Short	Carpet Mastic		
43	ES-B1-CM7-1	☑	Multi Color Square	Carpet Mastic		
44	ES-B1-CM7-2	☑	Multi Color Square	Carpet Mastic		
45	ES-B1-CM7-3	☑	Multi Color Square	Carpet Mastic		
46	ES-B1-CM8-1	☑	Tan	Carpet Mastic		
47	ES-B1-CM8-2	☑	Tan	Carpet Mastic		
48	ES-B1-CM8-3	☑	Tan	Carpet Mastic		
49	ES-B1-CBM1-1	☑	Brown	4" Cove Base Mold w/Mastic		
50	ES-B1-CBM1-2	☑	Brown	4" Cove Base Mold w/Mastic		

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Lab No. 344562
Accept Reject

Project Information

Company: Tetra Tech | Project Name: Edon School | Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	ES-B1-CBM1-3	☑	Brown	4" Cove Base Mold w/Mastic		
52	ES-B1-CBM2-1	☑	Grey Blue	4" Cove Base Mold w/Mastic		
53	ES-B1-CBM2-2	☑	Grey Blue	4" Cove Base Mold w/Mastic		
54	ES-B1-CBM2-3	☑	Grey Blue	4" Cove Base Mold w/Mastic		
55	ES-B1-CBM3-1	☑	Black	4" Cove Base Mold w/Mastic		
56	ES-B1-CBM3-2	☑	Black	4" Cove Base Mold w/Mastic		
57	ES-B1-CBM3-3	☑	Black	4" Cove Base Mold w/Mastic		
58	ES-B1-CBM4-1	☑	Beige	2" Cove Base Mold w/Mastic		
59	ES-B1-CBM4-2	☑	Beige	2" Cove Base Mold w/Mastic		
60	ES-B1-CBM4-3	☑	Beige	2" Cove Base Mold w/Mastic		
61	ES-B1-PLC-1	☑		Plaster Ceiling		
62	ES-B1-PLC-2	☑		Plaster Ceiling		
63	ES-B1-PLC-3	☑		Plaster Ceiling		
64	ES-B1-PLC-4	☑		Plaster Ceiling		
65	ES-B1-PLC-5	☑		Plaster Ceiling		
66	ES-B1-PLC-6	☑		Plaster Ceiling		
67	ES-B1-PLC-7	☑		Plaster Ceiling		
68	ES-B1-PLW-1	☑		Plaster Wall		
69	ES-B1-PLW-2	☑		Plaster Wall		
70	ES-B1-PLW-3	☑		Plaster Wall		

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Lab No. 344562
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
71	ES-B1-PLW-4	☑		Plaster Walls		
72	ES-B1-PLW-5	☑		Plaster Walls		
73	ES-B1-PLW-6	☑		Plaster Walls		
74	ES-B1-PLW-7	☑		Plaster Walls		
75	ES-B1-CT1-1	☑	White	2'x4' Ceiling Tile (Pinhole Wormhole)		
76	ES-B1-CT1-2	☑	White	2'x4' Ceiling Tile (Pinhole Wormhole)		
77	ES-B1-CT1-3	☑	White	2'x4' Ceiling Tile (Pinhole Wormhole)		
78	ES-B1-CT2-1	☑	White	2'x3' Ceiling Tile (Canyons)		
79	ES-B1-CT2-2	☑	White	2'x3' Ceiling Tile (Canyons)		
80	ES-B1-CT2-3	☑	White	2'x3' Ceiling Tile (Canyons)		
81	ES-B1-CT3-1	☑	White	2'x4' Ceiling Tile (Painted)		
82	ES-B1-CT3-2	☑	White	2'x4' Ceiling Tile (Painted)		
83	ES-B1-CT3-3	☑	White	2'x4' Ceiling Tile (Painted)		
84	ES-B1-CT4-1	☑	White	2'x4' Ceiling Tile (Pinhole)		
85	ES-B1-CT4-2	☑	White	2'x4' Ceiling Tile (Pinhole)		
86	ES-B1-CT4-3	☑	White	2'x4' Ceiling Tile (Pinhole)		
87	ES-B1-CT5-1	☑	White	2'x4' Ceiling Tile (Solid)		
88	ES-B1-CT5-2	☑	White	2'x4' Ceiling Tile (Solid)		
89	ES-B1-CT5-3	☑	White	2'x4' Ceiling Tile (Solid)		
90	ES-B1-CT6-1	☑	White	2'x2' Ceiling Tile (Pinhole Wormhole)		

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Lab No. 344562
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
91	ES-B1-CT6-2	☑	White	2'x2' Ceiling Tile (Pinhole Wormhole)		
92	ES-B1-CT6-3	☑	White	2'x2' Ceiling Tile (Pinhole Wormhole)		
93	ES-B1-SU-1	☑	Grey	Sink Undercoat		
94	ES-B1-SU-2	☑	Grey	Sink Undercoat		
95	ES-B1-SU-3	☑	Grey	Sink Undercoat		
96	ES-B1-DWJC-1	☑		Drywall w/Joint Compound		
97	ES-B1-DWJC-2	☑		Drywall w/Joint Compound		
98	ES-B1-DWJC-3	☑		Drywall w/Joint Compound		
99	ES-B1-DWJC-4	☑		Drywall w/Joint Compound		
100	ES-B1-DWJC-5	☑		Drywall w/Joint Compound		
101	ES-B1-DWJC-6	☑		Drywall w/Joint Compound		
102	ES-B1-DWJC-7	☑		Drywall w/Joint Compound		
103	ES-B1-DC-1	☑	Grey	Door Caulk		
104	ES-B1-DC-2	☑	Grey	Door Caulk		
105	ES-B1-DC-3	☑	Grey	Door Caulk		
106	ES-B1-WC-1	☑	White	Window Caulk		
107	ES-B1-WC-2	☑	White	Window Caulk		
108	ES-B1-WC-3	☑	White	Window Caulk		
109	ES-B1-EXC-1	☑	Grey	Exterior Caulk		
110	ES-B1-EXC-2	☑	Grey	Exterior Caulk		

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For Lab Use Only
Lab No. ~~341562~~
Accept Reject

Project Information

Company: Tetra Tech | Project Name: Edon School | Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11_1	ES-B1-EXC-3	☑	Grey	Exterior Caulk		
11_2	ES-B1-TSI-1	☑	White	TSI		
11_3	ES-B1-TSI-2	☑	White	TSI		
11_4	ES-B1-TSI-3	☑	White	TSI		
11_5	ES-B1-TSI-4	☑	White	TSI		
__6		☐				
__7		☐				
__8		☐				
__9		☐				
__0		☐				
__1		☐				
__2		☐				
__3		☐				
__4		☐				
__5		☐				
__6		☐				
__7		☐				
__8		☐				
__9		☐				
__0		☐				

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	ES-B3-FT1-1	Layered	Green Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl
001a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
002	ES-B3-FT1-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
002a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
003	ES-B3-FT1-3	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
003a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
004	ES-B3-FT2-1	Layered	Brown Floor Tile	Asbestos Present Chrysotile 4	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
005	ES-B3-FT2-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
005a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
006	ES-B3-FT2-3	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
006a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
007	ES-B3-FT3-1	Layered	Brown Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
008	ES-B3-FT3-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
008a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
009	ES-B3-FT3-3	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
009a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
010	ES-B3-FT4-1	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
010a		Layered	Yellow/Black Mastic	Asbestos Present Chrysotile 6	NA	Glue Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
011	ES-B3-FT4-2	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
011a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
012	ES-B3-FT4-3	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
012a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
013	ES-B3-FT5-1	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
013a		Layered	Yellow/Black Mastic	Asbestos Present Chrysotile 6	NA	Glue Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	ES-B3-FT5-2	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
014a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
015	ES-B3-FT5-3	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
015a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
016	ES-B3-FT6-1	Layered	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
016a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
017	ES-B3-FT6-2	Layered	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
018	ES-B3-FT6-3	Layered	Blue Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
018a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
019	ES-B3-FT7-1	Layered	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
019a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
020	ES-B3-FT7-2	Layered	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

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Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
021	ES-B3-FT7-3	Layered	Gray Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
021a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
022	ES-B3-FT8-1	Layered	Brown Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl
022a		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA	Tar
023	ES-B3-FT8-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
023a		Layered	** Mastic	**	Not Analyzed	

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Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
Positive Stop						
024	ES-B3-FT8-3	Layered	**	**	Not Analyzed	
			Floor Tile			
Positive Stop						
024a		Layered	**	**	Not Analyzed	
			Mastic			
Positive Stop						
025	ES-B3-FT9-1	Layered	Tan	Asbestos Not Present	NA	CaCO3
			Floor Tile			Vinyl
025a		Layered	Black	Asbestos Present	NA	Tar
			Mastic	Chrysotile 8		
026	ES-B3-FT9-2	Layered	Tan	Asbestos Not Present	NA	CaCO3
			Floor Tile			Vinyl
026a		Layered	**	**	Not Analyzed	
			Mastic			
Positive Stop						

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	ES-B3-FT9-3	Layered	Tan Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
027a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
028	ES-B3-CM1-1	Homogeneous	Yellow/Black Carpet Mastic	Asbestos Present Chrysotile 4	NA	Glue Tar
029	ES-B3-CM1-2	Homogeneous	** Carpet Mastic	**	Not Analyzed	
Positive Stop						
030	ES-B3-CM1-3	Homogeneous	** Carpet Mastic	**	Not Analyzed	
Positive Stop						
031	ES-B3-CM2-1	Homogeneous	Green Carpet Mastic	Asbestos Not Present	NA	Glue
032	ES-B3-CM2-2	Homogeneous	Green Carpet Mastic	Asbestos Not Present	NA	Glue

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
033	ES-B3-CM2-3	Homogeneous	Green Carpet Mastic	Asbestos Not Present	NA	Glue
034	ES-B3-CM3-1	Homogeneous	Green Carpet Mastic	Asbestos Not Present	NA	Glue
035	ES-B3-CM3-2	Homogeneous	Green Carpet Mastic	Asbestos Not Present	NA	Glue
036	ES-B3-CM3-3	Homogeneous	Green Carpet Mastic	Asbestos Not Present	NA	Glue
037	ES-B3-CBM1-1	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl Binder
037a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	ES-B3-CBM1-2	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl Binder
038a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
039	ES-B3-CBM1-3	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl Binder
039a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
040	ES-B3-CBM2-1	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl Binder
040a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
041	ES-B3-CBM2-2	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl Binder

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Project Location: Edon, OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
042	ES-B3-CBM2-3	Layered	Brown Cove Base	Asbestos Not Present	NA	Vinyl Binder
042a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
043	ES-B3-CBM3-1	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
043a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
044	ES-B3-CBM3-2	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
045	ES-B3-CBM3-3	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
045a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
046	ES-B3-CBM4-1	Layered	Dark Blue Cove Base	Asbestos Not Present	NA	Vinyl Binder
046a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
047	ES-B3-CBM4-2	Layered	Dark Blue Cove Base	Asbestos Not Present	NA	Vinyl Binder
047a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
048	ES-B3-CBM4-3	Layered	Dark Blue Cove Base	Asbestos Not Present	NA	Vinyl Binder
048a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
049	ES-B3-CBM5-1	Layered	Light Blue Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
049a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
050	ES-B3-CBM5-2	Layered	Light Blue Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
050a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
051	ES-B3-CBM5-3	Layered	Light Blue Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
051a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
052	ES-B3-DC-1	Homogeneous	Black Caulk	Asbestos Not Present	NA	Tar Binder
053	ES-B3-DC-2	Homogeneous	Black Caulk	Asbestos Not Present	NA	Silicone Binder
054	ES-B3-DC-3	Homogeneous	Black Caulk	Asbestos Not Present	NA	Silicone Binder
055	ES-B3-EJ-1	Layered	White Expansion Joint	Asbestos Not Present	NA	CaCO3 Silicone
055a		Layered	Black Insulation	Asbestos Not Present	NA	Foam Binder

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
056	ES-B3-EJ-2	Layered	White Expansion Joint	Asbestos Not Present	NA	CaCO3 Silicone
056a		Layered	Black Insulation	Asbestos Not Present	NA	Foam Binder
057	ES-B3-EJ-3	Layered	White Expansion Joint	Asbestos Not Present	NA	CaCO3 Silicone
057a		Layered	Black Insulation	Asbestos Not Present	NA	Foam Binder
058	ES-B3-RF-1	Layered	Black Roofing	Asbestos Not Present	NA	Rubber Binder
058a		Layered	Black Roofing	Asbestos Not Present	NA	Tar

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Project: Edon School
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
058b		Layered	Brown Roofing	Asbestos Not Present	Cellulose 100	
059	ES-B3-RF-2	Layered	Black Roofing	Asbestos Not Present	NA	Rubber Binder
059a		Layered	Black Roofing	Asbestos Not Present	Cellulose 40 Glass Fiber 20	Tar Binder
059b		Layered	Tan Roofing	Asbestos Not Present	NA	Foam
060	ES-B3-RF-3	Layered	Black Roofing	Asbestos Not Present	NA	Rubber Binder
060a		Layered	Black Roofing	Asbestos Not Present	Cellulose 40 Glass Fiber 20	Tar Binder
060b		Layered	Tan Roofing	Asbestos Not Present	NA	Foam

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Project: Edon School
Project Location: Edon, OH
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
061	ES-B3-PLC-1	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
061a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
061b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Sand
062	ES-B3-PLC-2	Layered	White Texture	Asbestos Not Present	NA	CaCO3
062a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand
062b		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Sand

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
063	ES-B3-PLC-3	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand Paint
063a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Sand
064	ES-B3-PLC-4	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand Paint
064a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
065	ES-B3-PLC-5	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand Paint
065a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Perlite

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
066	ES-B3-PLC-6	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand Paint
066a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
067	ES-B3-PLC-7	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Sand Paint
067a		Layered	Gray Plaster	Asbestos Not Present	NA	CaCO3 Gypsum Perlite
068	ES-B3-EXC-1	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder
069	ES-B3-EXC-2	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
070	ES-B3-EXC-3	Homogeneous	Gray Caulk	Asbestos Not Present	NA	CaCO3 Binder
071	ES-B3-WT-1	Layered	White Acoustic Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 50	Perlite Paint
071a		Layered	Brown Mastic	Asbestos Present Chrysotile 4	NA	Glue
072	ES-B3-WT-2	Layered	White Acoustic Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 50	Perlite Paint
072a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
073	ES-B3-WT-3	Layered	White Acoustic Tile	Asbestos Not Present	Cellulose 30 Glass Fiber 50	Perlite Paint
073a		Layered	** Mastic	**	Not Analyzed	

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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
Positive Stop						
074	ES-B3-WM-1	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
075	ES-B3-WM-2	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
076	ES-B3-WM-3	Homogeneous	Yellow Mastic	Asbestos Not Present	NA	Glue CaCO3
077	ES-B3-WG-1	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 4	NA	CaCO3
078	ES-B3-WG-2	Homogeneous	** Window Glazing	**	Not Analyzed	
Positive Stop						
079	ES-B3-WG-3	Homogeneous	** Window Glazing	**	Not Analyzed	
Positive Stop						

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
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Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
080	ES-B3-WG-4	Homogeneous	** Window Glazing	**	Not Analyzed		
Positive Stop							
081	ES-B3-WG-5	Homogeneous	** Window Glazing	**	Not Analyzed		
Positive Stop							
082	ES-B3-WC-1	Homogeneous	Gray Caulk	Asbestos Not Present	Talc	3	CaCO3
083	ES-B3-WC-2	Homogeneous	Gray Caulk	Asbestos Not Present	Talc	3	CaCO3
084	ES-B3-WC-3	Homogeneous	Gray Caulk	Asbestos Not Present	Talc	3	CaCO3
085	ES-B3-SU-1	Homogeneous	Gray Sink Undercoat	Asbestos Not Present	Cellulose	5	CaCO3 Binder
086	ES-B3-SU-2	Homogeneous	Gray Sink Undercoat	Asbestos Not Present	Cellulose	5	CaCO3 Binder

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
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Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
087	ES-B3-SU-3	Homogeneous	Gray Sink Undercoat	Asbestos Not Present	Cellulose	5	CaCO3 Binder
088	ES-B3-CT1-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint
089	ES-B3-CT1-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	40 40	Perlite Paint
090	ES-B3-CT1-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
091	ES-B3-CT2-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
092	ES-B3-CT2-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/25/2022
Analyzed By: Cassie Sanborn
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
093	ES-B3-CT2-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	50 30	Perlite Paint
094	ES-B3-CT3-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	90	Binder
095	ES-B3-CT3-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	90	Binder
096	ES-B3-CT3-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Glass Fiber	90	Binder
097	ES-B3-CT4-1	Homogeneous	White Drywall	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Mica Vinyl
098	ES-B3-CT4-2	Homogeneous	White Drywall	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Mica
099	ES-B3-CT4-3	Homogeneous	White Drywall	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Mica Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344574
Account Number: C072
Date Received: 03/17/2022
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Date Analyzed: 03/25/2022
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Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 3)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
100	ES-B3-ELB-1	Homogeneous	White Insulation	Asbestos Present Chrysotile 10	Cellulose 10 Glass Fiber 5	CaCO3 Binder
101	ES-B3-ELB-2	Homogeneous	** Insulation	**	Not Analyzed	
Positive Stop						
102	ES-B3-ELB-3	Homogeneous	** Insulation	**	Not Analyzed	
Positive Stop						

Cassie Sanborn, Laboratory Analyst

3/25/2022
Date of Report

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 334574
Accept Reject

Contact Information			
Company: Tetra Tech		Phone: (513) 333-3666	
Contact: Vicky Farmer		Cell Phone: (513) 348-2080	
Account #:		E-mail: vicky.farmer@tetratech.com	
SAMPLED BY:	Name: Wes Williams/Dustin Grams	Date: 3/9/2022	

Project Information	
Project Name:	Edon School
Project Location:	Edon, OH
Project ID:	103Z534304 (Building 3)
P.O. Number:	

Report Results (☑ one box)	
☐	QuanTEM Website
☑	Email vicky.farmer@tetratech.com
☐	Other _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
	3/15/22 1630	FEDEX		3/17/22 950

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

PLM		PLM		TEM		TEM		TURNAROUND TIME	
☑	Bulk Analysis (EPA 600/R-93/116)	☐	Vermiculite Attic Insulation (EPA 600/R-04/004)	☐	Air- AHERA	☐	Bulk- Presence / Absence EPA600/R-93/116	☐	Rush
☐	400 Point Count	☐	Other	☐	Air- NIOSH 7402	☐	Bulk- Quantitative [weight%]- Chatfield	☐	Same Day
☐	1000 Point Count	PCM		☐	Air- ISO 10312	☐	Dust- Presence / Absence	☐	24 - Hour
☐	Gravimetric Preparation	☐	NIOSH 7400	☐	Drinking Water- EPA 100.2	☐	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	☐	3 - Day
☐	Particle ID			☐	Waste Water- EPA 600/4-83-043	☐	Other	☑	5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	ES-B3-FT1-1	☑	Green w/White	9"x9" Floor Tile w/Mastic		*First positive stop for all samples
2	ES-B3-FT1-2	☑	Green w/White	9"x9" Floor Tile w/Mastic		submitted for analysis
3	ES-B3-FT1-3	☑	Green w/White	9"x9" Floor Tile w/Mastic		
4	ES-B3-FT2-1	☑	Brown Striations	9"x9" Floor Tile w/Mastic		* Point count analysis for ALL
5	ES-B3-FT2-2	☑	Brown Striations	9"x9" Floor Tile w/Mastic		results of 3% or less
6	ES-B3-FT2-3	☑	Brown Striations	9"x9" Floor Tile w/Mastic		
7	ES-B3-FT3-1	☑	Brown w/Maroon	9"x9" Floor Tile w/Mastic		
8	ES-B3-FT3-2	☑	Brown w/Maroon	9"x9" Floor Tile w/Mastic		
9	ES-B3-FT3-3	☑	Brown w/Maroon	9"x9" Floor Tile w/Mastic		
10	ES-B3-FT4-1	☑	Beige w/Brown Streak	12"x12" Floor Tile w/Mastic		

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For Lab Use Only
Lab No. 334574
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	ES-B3-FT4-2	☑	Beige w/Brown Streak	12"x12" Floor Tile w/Mastic		
12	ES-B3-FT4-3	☑	Beige w/Brown Streak	12"x12" Floor Tile w/Mastic		
13	ES-B3-FT5-1	☑	Beige w/Blue Fleck	12"x12" Floor Tile w/Mastic		
14	ES-B3-FT5-2	☑	Beige w/Blue Fleck	12"x12" Floor Tile w/Mastic		
15	ES-B3-FT5-3	☑	Beige w/Blue Fleck	12"x12" Floor Tile w/Mastic		
16	ES-B3-FT6-1	☑	Blue Pebble Pattern	12"x12" Floor Tile w/Mastic		
17	ES-B3-FT6-2	☑	Blue Pebble Pattern	12"x12" Floor Tile w/Mastic		
18	ES-B3-FT6-3	☑	Blue Pebble Pattern	12"x12" Floor Tile w/Mastic		
19	ES-B3-FT7-1	☑	Grey Pebble Pattern	12"x12" Floor Tile w/Mastic		
20	ES-B3-FT7-2	☑	Grey Pebble Pattern	12"x12" Floor Tile w/Mastic		
21	ES-B3-FT7-3	☑	Grey Pebble Pattern	12"x12" Floor Tile w/Mastic		
22	ES-B3-FT8-1	☑	Brown w/White	9"x9" Floor Tile w/Mastic		
23	ES-B3-FT8-2	☑	Brown w/White	9"x9" Floor Tile w/Mastic		
24	ES-B3-FT8-3	☑	Brown w/White	9"x9" Floor Tile w/Mastic		
25	ES-B3-FT9-1	☑	Tan w/Beige	9"x9" Floor Tile w/Mastic		
26	ES-B3-FT9-2	☑	Tan w/Beige	9"x9" Floor Tile w/Mastic		
27	ES-B3-FT9-3	☑	Tan w/Beige	9"x9" Floor Tile w/Mastic		
28	ES-B3-CM1-1	☑	Purple	Carpet Mastic		
29	ES-B3-CM1-2	☑	Purple	Carpet Mastic		
30	ES-B3-CM1-3	☑	Purple	Carpet Mastic		

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only
Lab No. 334574
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	ES-B3-CM2-1	☑	Blue and Pink	Carpet Mastic		
32	ES-B3-CM2-2	☑	Blue and Pink	Carpet Mastic		
33	ES-B3-CM2-3	☑	Blue and Pink	Carpet Mastic		
34	ES-B3-CM3-1	☑	Pale Blue	Carpet Mastic		
35	ES-B3-CM3-2	☑	Pale Blue	Carpet Mastic		
36	ES-B3-CM3-3	☑	Pale Blue	Carpet Mastic		
37	ES-B3-CBM1-1	☑	Brown	2" Cove Base Mold w/Mastic		
38	ES-B3-CBM1-2	☑	Brown	2" Cove Base Mold w/Mastic		
39	ES-B3-CBM1-3	☑	Brown	2" Cove Base Mold w/Mastic		
40	ES-B3-CBM2-1	☑	Brown	4" Cove Base Mold w/Mastic		
41	ES-B3-CBM2-2	☑	Brown	4" Cove Base Mold w/Mastic		
42	ES-B3-CBM2-3	☑	Brown	4" Cove Base Mold w/Mastic		
43	ES-B3-CBM3-1	☑	Brown	6" Cove Base Mold w/Mastic		
44	ES-B3-CBM3-2	☑	Brown	6" Cove Base Mold w/Mastic		
45	ES-B3-CBM3-3	☑	Brown	6" Cove Base Mold w/Mastic		
46	ES-B3-CBM4-1	☑	Dark Blue	4" Cove Base Mold w/Mastic		
47	ES-B3-CBM4-2	☑	Dark Blue	4" Cove Base Mold w/Mastic		
48	ES-B3-CBM4-3	☑	Dark Blue	4" Cove Base Mold w/Mastic		
49	ES-B3-CBM5-1	☑	Light Blue	4" Cove Base Mold w/Mastic		
50	ES-B3-CBM5-2	☑	Light Blue	4" Cove Base Mold w/Mastic		

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Project Information		
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No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	ES-B3-CBM5-3	☑	Light Blue	4" Cove Base Mold w/Mastic		
52	ES-B3-DC-1	☑	Black	Door Caulk		
53	ES-B3-DC-2	☑	Black	Door Caulk		
54	ES-B3-DC-3	☑	Black	Door Caulk		
55	ES-B3-EJ-1	☑	White	Expansion Joint		
56	ES-B3-EJ-2	☑	White	Expansion Joint		
57	ES-B3-EJ-3	☑	White	Expansion Joint		
58	ES-B3-RF-1	☑	Black	Roofing		
59	ES-B3-RF-2	☑	Black	Roofing		
60	ES-B3-RF-3	☑	Black	Roofing		
61	ES-B3-PLC-1	☑		Plaster Ceiling		
62	ES-B3-PLC-2	☑		Plaster Ceiling		
63	ES-B3-PLC-3	☑		Plaster Ceiling		
64	ES-B3-PLC-4	☑		Plaster Ceiling		
65	ES-B3-PLC-5	☑		Plaster Ceiling		
66	ES-B3-PLC-6	☑		Plaster Ceiling		
67	ES-B3-PLC-7	☑		Plaster Ceiling		
68	ES-B3-EXC-1	☑	Grey	Exterior Caulk		
69	ES-B3-EXC-2	☑	Grey	Exterior Caulk		
70	ES-B3-EXC-3	☑	Grey	Exterior Caulk		

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Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
71	ES-B3-WT-1	☑	White	Wall Acoustic Tile		
72	ES-B3-WT-2	☑	White	Wall Acoustic Tile		
73	ES-B3-WT-3	☑	White	Wall Acoustic Tile		
74	ES-B3-WM-1	☑	Yellow	Wall Mastic		
75	ES-B3-WM-2	☑	Yellow	Wall Mastic		
76	ES-B3-WM-3	☑	Yellow	Wall Mastic		
77	ES-B3-WG-1	☑	White	Window Glazing		
78	ES-B3-WG-2	☑	White	Window Glazing		
79	ES-B3-WG-3	☑	White	Window Glazing		
80	ES-B3-WG-4	☑	White	Window Glazing		
81	ES-B3-WG-5	☑	White	Window Glazing		
82	ES-B3-WC-1	☑	Grey	Window Caulk		
83	ES-B3-WC-2	☑	Grey	Window Caulk		
84	ES-B3-WC-3	☑	Grey	Window Caulk		
85	ES-B3-SU-1	☑	Grey	Sink Undercoat		
86	ES-B3-SU-2	☑	Grey	Sink Undercoat		
87	ES-B3-SU-3	☑	Grey	Sink Undercoat		
88	ES-B3-CT1-1	☑	White	2'x4' Ceiling Tile (Pinhole Wormhole)		
89	ES-B3-CT1-2	☑	White	2'x4' Ceiling Tile (Pinhole Wormhole)		
90	ES-B3-CT1-3	☑	White	2'x4' Ceiling Tile (Pinhole Wormhole)		

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Lab No. 334574
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	ES-B3-CT2-1	☑	White	2'x4' Ceiling Tile (Pinhole Divot)		
2	ES-B3-CT2-2	☑	White	2'x4' Ceiling Tile (Pinhole Divot)		
3	ES-B3-CT2-3	☑	White	2'x4' Ceiling Tile (Pinhole Divot)		
4	ES-B3-CT3-1	☑	White	2'x4' Ceiling Tile		
5	ES-B3-CT3-2	☑	White	2'x4' Ceiling Tile		
6	ES-B3-CT3-3	☑	White	2'x4' Ceiling Tile		
7	ES-B3-CT4-1	☑	White	Drywall Ceiling		
8	ES-B3-CT4-2	☑	White	Drywall Ceiling		
9	ES-B3-CT4-3	☑	White	Drywall Ceiling		
10	ES-B3-ELB-1	☑	White	TSI Elbow		
11	ES-B3-ELB-2	☑	White	TSI Elbow		
12	ES-B3-ELB-3	☑	White	TSI Elbow		
13		☐				
14		☐				
15		☐				
16		☐				
17		☐				
18		☐				
19		☐				
20		☐				

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Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/24/2022
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
001	ES-B2-FT1-1	Layered	Blue Floor Tile	Asbestos Not Present	Cellulose	3	CaCO3 Vinyl
001a		Layered	Black Mastic	Asbestos Present Chrysotile 4	NA		Tar Glue CaCO3
002	ES-B2-FT1-2	Layered	Blue Floor Tile	Asbestos Not Present	Cellulose	3	CaCO3 Vinyl
002a		Layered	** Mastic	**	Not Analyzed		
Positive Stop							
003	ES-B2-FT1-3	Layered	Blue Floor Tile	Asbestos Not Present	Cellulose	3	CaCO3 Vinyl
003a		Layered	** Mastic	**	Not Analyzed		
Positive Stop							
004	ES-B2-FT2-1	Layered	Beige/Blue Floor Tile	Asbestos Not Present	Cellulose	3	CaCO3 Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/24/2022
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Black/Yellow Mastic	Asbestos Present Chrysotile 4	NA	Tar Glue CaCO3
004b		Layered	White Leveling Compound	Asbestos Not Present	Talc 2	Gypsum
005	ES-B2-FT2-2	Layered	Beige/Blue Floor Tile	Asbestos Not Present	Cellulose 3	CaCO3 Vinyl
005a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
005b		Layered	White Leveling Compound	Asbestos Not Present	Talc 2	Gypsum
006	ES-B2-FT2-3	Layered	Beige/Blue Floor Tile	Asbestos Not Present	Cellulose 3	CaCO3 Vinyl

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2033 Heritage Park Dr, Oklahoma City, OK 73120 | 1.800.822.1650

Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344581
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/24/2022
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
007	ES-B2-FT3-1	Layered	Gray/White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
007a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
008	ES-B2-FT3-2	Layered	Gray/White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
008a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue
009	ES-B2-FT3-3	Layered	Gray/White Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
009a		Layered	Tan Mastic	Asbestos Not Present	NA	Glue

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Client: Tetra Tech - Cincinnati
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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	ES-B2-FT4-1	Layered	Tan/Maroon Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl
010a		Layered	Black Mastic	Asbestos Present Chrysotile 6	NA	Tar
011	ES-B2-FT4-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
011a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
012	ES-B2-FT4-3	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
012a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						

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Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	ES-B2-FT5-1	Layered	Blue/White Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl
013a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
014	ES-B2-FT5-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
014a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
015	ES-B2-FT5-3	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
015a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue CaCO3
016	ES-B2-FT6-1	Layered	Red/White Floor Tile	Asbestos Present Chrysotile 5	Cellulose 2	CaCO3 Vinyl

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Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016a		Layered	Black/Yellow Mastic	Asbestos Present Chrysotile 4	NA	Tar Glue
017	ES-B2-FT6-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
017a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
018	ES-B2-FT6-3	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						
018a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
019	ES-B2-FT7-1	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
019a		Layered	Black/Yellow Mastic	Asbestos Present Chrysotile 6	NA	Tar Glue CaCO3
020	ES-B2-FT7-2	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
020a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
021	ES-B2-FT7-3	Layered	Beige Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
021a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
022	ES-B2-FT8-1	Layered	Tan/Beige Floor Tile	Asbestos Not Present	Cellulose 3	CaCO3 Vinyl
022a		Layered	Black Mastic	Asbestos Present Chrysotile 4	NA	Tar Glue CaCO3

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Methodology: EPA/600/R-93/116

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	ES-B2-FT8-2	Layered	Tan/Beige Floor Tile	Asbestos Not Present	Cellulose 3	CaCO3 Vinyl
023a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
024	ES-B2-FT8-3	Layered	Tan/Beige Floor Tile	Asbestos Not Present	Cellulose 3	CaCO3 Vinyl
024a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
025	ES-B2-FT9-1	Layered	Beige/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
025a		Layered	Black Mastic	Asbestos Present Chrysotile 6	NA	Tar

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Methodology: EPA/600/R-93/116

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Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	ES-B2-FT9-2	Layered	Beige/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
026a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
027	ES-B2-FT9-3	Layered	Beige/Brown Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
027a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
028	ES-B2-FT10-1	Layered	White/Black Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
028a		Layered	Black Mastic	Asbestos Present Chrysotile 7	NA	Tar
029	ES-B2-FT10-2	Layered	White/Black Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
030	ES-B2-FT10-3	Layered	White/Black Floor Tile	Asbestos Not Present	NA	CaCO3 Vinyl
030a		Layered	** Mastic	**	Not Analyzed	
Positive Stop						
031	ES-B2-FT11-1	Layered	Brown Floor Tile	Asbestos Present Chrysotile 6	NA	CaCO3 Vinyl
031a		Layered	Black Mastic	Asbestos Present Chrysotile 6	NA	Tar
032	ES-B2-FT11-2	Layered	** Floor Tile	**	Not Analyzed	
Positive Stop						

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Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
032a		Layered	**	**	Not Analyzed	
			Mastic			
Positive Stop						
033	ES-B2-FT11-3	Layered	**	**	Not Analyzed	
			Floor Tile			
Positive Stop						
033a		Layered	**	**	Not Analyzed	
			Mastic			
Positive Stop						
034	ES-B2-FT12-1	Homogeneous	Green	Asbestos Present	Cellulose 5	Vinyl
			Sheet Vinyl	Chrysotile 15		CaCO3
035	ES-B2-FT12-2	Homogeneous	**	**	Not Analyzed	
			Sheet Vinyl			
Positive Stop						
036	ES-B2-FT12-3	Homogeneous	**	**	Not Analyzed	
			Sheet Vinyl			
Positive Stop						
037	ES-B2-CBM1-1	Layered	Gray	Asbestos Not Present	NA	CaCO3
			Cove Base			Vinyl

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
037b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
038	ES-B2-CBM1-2	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
038a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
038b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
039	ES-B2-CBM1-2	Layered	Gray Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl

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Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039a		Layered	Cream Mastic	Asbestos Not Present	NA	Glue
039b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
040	ES-B2-CBM2-1	Layered	Black Cove Base	Asbestos Not Present	NA	Vinyl CaCO3
040a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
041	ES-B2-CBM2-2	Layered	Black Cove Base	Asbestos Not Present	NA	Vinyl CaCO3
041a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
041b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue

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Project: Edon School
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Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	ES-B2-CBM2-3	Layered	Black Cove Base	Asbestos Not Present	NA	Vinyl CaCO3
042a		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
043	ES-B2-CBM3-1	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
043a		Layered	Dark Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue
043b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
044	ES-B2-CBM3-2	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
044a		Layered	Dark Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue
044b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
045	ES-B2-CBM3-3	Layered	Brown Cove Base	Asbestos Not Present	NA	CaCO3 Vinyl
045a		Layered	Dark Brown Mastic	Asbestos Not Present	NA	CaCO3 Glue
045b		Layered	Brown Mastic	Asbestos Not Present	NA	Glue
046	ES-B2-CT-1	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint
047	ES-B2-CT-2	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
048	ES-B2-CT-3	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 95	Paint
049	ES-B2-CLK-1	Homogeneous	Green Chalk Board	Asbestos Present Chrysotile 30	NA	CaCO3 Binder
050	ES-B2-CLK-2	Homogeneous	** Chalk Board	**	Not Analyzed	
Positive Stop						
051	ES-B2-CLK-3	Homogeneous	** Chalk Board	**	Not Analyzed	
Positive Stop						
052	ES-B2-DC-1	Homogeneous	Black Caulk	Asbestos Not Present	NA	Binder
053	ES-B2-DC-2	Homogeneous	Black Caulk	Asbestos Not Present	NA	Binder

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Project: Edon School
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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
054	ES-B2-DC-3	Homogeneous	Black Caulk	Asbestos Not Present	NA	Binder
055	ES-B2-EJ-1	Homogeneous	White Expansion Joint	Asbestos Present Chrysotile 5	Talc 1	Binder CaCO3
056	ES-B2-EJ-2	Homogeneous	** Expansion Joint	**	Not Analyzed	
Positive Stop						
057	ES-B2-EJ-2	Homogeneous	** Expansion Joint	**	Not Analyzed	
Positive Stop						
058	ES-B2-RF-1	Homogeneous	Black Roofing	Asbestos Present Chrysotile 8	NA	Tar CaCO3
059	ES-B2-RF-2	Homogeneous	** Roofing	**	Not Analyzed	
Positive Stop						
060	ES-B2-RF-3	Homogeneous	** Roofing	**	Not Analyzed	

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
Positive Stop						
061	ES-B2-PLW-1	Homogeneous	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
062	ES-B2-PLW-2	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
062a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
063	ES-B2-PLW-3	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
063a		Layered	Light Gray Plaster	Asbestos Not Present	Cellulose <1	Gypsum CaCO3 Perlite
064	ES-B2-PLW-4	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint

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QuanTEM is a NVLAP accredited Testing PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested.
NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods.
This report may not be used to claim product endorsement by NVLAP or any agency of the US Government.

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344581
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
Date Analyzed: 03/24/2022
Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
064a		Layered	Light Gray Plaster	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
065	ES-B2-PLW-5	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
065a		Layered	Light Gray Plaster	Asbestos Not Present	Cellulose <1	Gypsum CaCO3 Perlite
066	ES-B2-PLW-6	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
066a		Layered	Light Gray Plaster	Asbestos Not Present	Cellulose <1	Gypsum CaCO3 Perlite
067	ES-B2-PLW-7	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344581
Account Number: C072
Date Received: 03/17/2022
Received By: Robin Brady Naik
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Analyzed By: Benjamin Hill
Methodology: EPA/600/R-93/116

Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
067a		Layered	Light Gray Plaster	Asbestos Not Present	Cellulose	<1	Gypsum CaCO3 Perlite
068	ES-B2-DWJC-1	Homogeneous	Gray Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint
069	ES-B2-DWJC-2	Homogeneous	Gray Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint
070	ES-B2-DWJC-3	Homogeneous	Gray Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint
071	ES-B2-DWJC-4	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint
072	ES-B2-DWJC-5	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 344581
Account Number: C072
Date Received: 03/17/2022
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Client: Tetra Tech - Cincinnati
250 W Court St
Ste 200 West
Cincinnati, OH 45202

Project: Edon School
Project Location: Edon, OH
Project Number: 103Z534304 (Building 2)

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
073	ES-B2-DWJC-6	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint
074	ES-B2-DWJC-7	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose Glass Fiber	10 2	Gypsum Paint

Benjamin Hill

Benjamin Hill, Assistant Laboratory Manager

3/24/2022

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

ASBESTOS CHAIN OF CUSTODY

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For Lab Use Only	
Lab No.	344581
Accept	Reject

Contact Information			
Company:	Tetra Tech	Phone:	(513) 333-3666
Contact:	Vicky Farmer	Cell Phone:	(513) 348-2080
Account #:		E-mail:	vicky.farmer@tetratech.com
SAMPLED BY:	Name: Wes Williams/Dustin Grams	Date:	3/9/2022

Project Information	
Project Name:	Edon School
Project Location:	Edon, OH
Project ID:	103Z534304 (Building 2)
P.O. Number:	

Report Results (☑ one box)	
☐	QuanTEM Website
☑	Email vicky.farmer@tetratech.com
☐	Other _____

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
DUSTIN GRAMS	3/15/2022 16:30	FED EX	NBN	3/17/22 950

REQUESTED SERVICES (Please ☑ the Appropriate Boxes)

PLM	
☑	Bulk Analysis (EPA 600/R-93/116)
☐	400 Point Count
☐	1000 Point Count
☐	Gravimetric Preparation
☐	Particle ID

PLM	
☐	Vermiculite Attic Insulation (EPA 600/R-04/004)
☐	Other

PCM	
☐	NIOSH 7400

TEM	
☐	Air- AHERA
☐	Air- NIOSH 7402
☐	Air- ISO 10312
☐	Drinking Water- EPA 100.2
☐	Waste Water- EPA 600/4-83-043

TEM	
☐	Bulk- Presence / Absence EPA600/R-93/116
☐	Bulk- Quantitative [weight%]- Chatfield
☐	Dust- Presence / Absence
☐	Dust- Quantitative [fibers/sq.cm]- ASTM D5755
☐	Other

TURNAROUND TIME	
☐	Rush
☐	Same Day
☐	24 - Hour
☐	3 - Day
☑	5 - Day

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	ES-B2-FT1-1	☑	Blue	12"x12" Floor Tile w/Mastic		*First positive stop for all samples
2	ES-B2-FT1-2	☑	Blue	12"x12" Floor Tile w/Mastic		submitted for analysis
3	ES-B2-FT1-3	☑	Blue	12"x12" Floor Tile w/Mastic		
4	ES-B2-FT2-1	☑	Beige w/Blue	12"x12" Floor Tile w/Mastic		* Point count analysis for ALL
5	ES-B2-FT2-2	☑	Beige w/Blue	12"x12" Floor Tile w/Mastic		results of 3% or less
6	ES-B2-FT2-3	☑	Beige w/Blue	12"x12" Floor Tile w/Mastic		
7	ES-B2-FT3-1	☑	Grey w/White	9"x9" Floor Tile w/Mastic		
8	ES-B2-FT3-2	☑	Grey w/White	9"x9" Floor Tile w/Mastic		
9	ES-B2-FT3-3	☑	Grey w/White	9"x9" Floor Tile w/Mastic		
10	ES-B2-FT4-1	☑	Tan w/Maroon	9"x9" Floor Tile w/Mastic		

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For Lab Use Only
Lab No. 344581
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	ES-B2-FT4-2	☑	Tan w/Maroon	9"x9" Floor Tile w/Mastic		
12	ES-B2-FT4-3	☑	Tan w/Maroon	9"x9" Floor Tile w/Mastic		
13	ES-B2-FT5-1	☑	Blue w/White Fleck	9"x9" Floor Tile w/Mastic		
14	ES-B2-FT5-2	☑	Blue w/White Fleck	9"x9" Floor Tile w/Mastic		
15	ES-B2-FT5-3	☑	Blue w/White Fleck	9"x9" Floor Tile w/Mastic		
16	ES-B2-FT6-1	☑	Red w/White Fleck	9"x9" Floor Tile w/Mastic		
17	ES-B2-FT6-2	☑	Red w/White Fleck	9"x9" Floor Tile w/Mastic		
18	ES-B2-FT6-3	☑	Red w/White Fleck	9"x9" Floor Tile w/Mastic		
19	ES-B2-FT7-1	☑	Beige	12"x12" Floor Tile w/Mastic		
20	ES-B2-FT7-2	☑	Beige	12"x12" Floor Tile w/Mastic		
21	ES-B2-FT7-3	☑	Beige	12"x12" Floor Tile w/Mastic		
22	ES-B2-FT8-1	☑	Tan w/Beige Fleck	9"x9" Floor Tile w/Mastic		
23	ES-B2-FT8-2	☑	Tan w/Beige Fleck	9"x9" Floor Tile w/Mastic		
24	ES-B2-FT8-3	☑	Tan w/Beige Fleck	9"x9" Floor Tile w/Mastic		
25	ES-B2-FT9-1	☑	Beige w/Brown Fleck	12"x12" Floor Tile w/Mastic		
26	ES-B2-FT9-2	☑	Beige w/Brown Fleck	12"x12" Floor Tile w/Mastic		
27	ES-B2-FT9-3	☑	Beige w/Brown Fleck	12"x12" Floor Tile w/Mastic		
28	ES-B2-FT10-1	☑	White w/ Black Fleck	12"x12" Floor Tile w/Mastic		
29	ES-B2-FT10-2	☑	White w/Black Fleck	12"x12" Floor Tile w/Mastic		
30	ES-B2-FT10-3	☑	White w/Black Fleck	12"x12" Floor Tile w/Mastic		

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For Lab Use Only
Lab No. 344581
Accept Reject

Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	ES-B2-FT11-1	☑	Red w/Orange	9"x9" Floor Tile w/Mastic		
32	ES-B2-FT11-2	☑	Red w/Orange	9"x9" Floor Tile w/Mastic		
33	ES-B2-FT11-3	☑	Red w/Orange	9"x9" Floor Tile w/Mastic		
34	ES-B2-FT12-1	☑	Green	Roll Laminate		
35	ES-B2-FT12-2	☑	Green	Roll Laminate		
36	ES-B2-FT12-3	☑	Green	Roll Laminate		
37	ES-B2-CBM1-1	☑	Grey	4" Cove Base Mold w/Mastic		
38	ES-B2-CBM1-2	☑	Grey	4" Cove Base Mold w/Mastic		
39	ES-B2-CBM1-3	☑	Grey	4" Cove Base Mold w/Mastic		
40	ES-B2-CBM2-1	☑	Black	4" Cove Base Mold w/Mastic		
41	ES-B2-CBM2-2	☑	Black	4" Cove Base Mold w/Mastic		
42	ES-B2-CBM2-3	☑	Black	4" Cove Base Mold w/Mastic		
43	ES-B2-CBM3-1	☑	Brown	4" Cove Base Mold w/Mastic		
44	ES-B2-CBM3-2	☑	Brown	4" Cove Base Mold w/Mastic		
45	ES-B2-CBM3-3	☑	Brown	4" Cove Base Mold w/Mastic		
46	ES-B2-CT-1	☑	White	2'x2' Crater Ceiling Tile		
47	ES-B2-CT-2	☑	White	2'x2' Crater Ceiling Tile		
48	ES-B2-CT-3	☑	White	2'x2' Crater Ceiling Tile		
49	ES-B2-CLK-1	☑	Green	Chalk Board		
50	ES-B2-CLK-2	☑	Green	Chalk Board		

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Project Information		
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No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
51	ES-B2-CLK-3	☑	Green	Chalk Board		
52	ES-B2-DC-1	☑	Black	Door Caulk		
53	ES-B2-DC-2	☑	Black	Door Caulk		
54	ES-B2-DC-3	☑	Black	Door Caulk		
55	ES-B2-EJ-1	☑	White	Expansion Joint		
56	ES-B2-EJ-2	☑	White	Expansion Joint		
57	ES-B2-EJ-3	☑	White	Expansion Joint		
58	ES-B2-RF-1	☑	Black	Roofing		
59	ES-B2-RF-2	☑	Black	Roofing		
60	ES-B2-RF-3	☑	Black	Roofing		
61	ES-B2-PLW-1	☑		Plaster Wall		
62	ES-B2-PLW-2	☑		Plaster Wall		
63	ES-B2-PLW-3	☑		Plaster Wall		
64	ES-B2-PLW-4	☑		Plaster Wall		
65	ES-B2-PLW-5	☑		Plaster Wall		
66	ES-B2-PLW-6	☑		Plaster Wall		
67	ES-B2-PLW-7	☑		Plaster Wall		
68	ES-B2-DWJC-1	☑		Drywall w/Joint Compound		
69	ES-B2-DWJC-2	☑		Drywall w/Joint Compound		
70	ES-B2-DWJC-3	☑		Drywall w/Joint Compound		

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Project Information		
Company: Tetra Tech	Project Name: Edon School	Project Location: Edon, OH

No.	Sample ID (10 Characters Max)	☑ To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	ES-B2-DWJC-4	☑		Drywall w/Joint Compound		
2	ES-B2-DWJC-5	☑		Drywall w/Joint Compound		
3	ES-B2-DWJC-6	☑		Drywall w/Joint Compound		
4	ES-B2-DWJC-7	☑		Drywall w/Joint Compound		
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				
1		☐				
2		☐				
3		☐				
4		☐				
5		☐				
6		☐				
7		☐				
8		☐				
9		☐				
0		☐				

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