

ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES

Former YMCA Building
480 South 3rd Street

City of Clinton
Brownfield Revolving Loan Fund Project
EPA Cooperative Agreement No. BF97764501 & BIL96709001

Prepared for:

City of Clinton
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Clinton, Iowa 52732

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1.0 EXECUTIVE SUMMARY

The city of Clinton (City) is currently utilizing the U.S. Environmental Protection Agency's (EPA) Brownfield Revolving Loan Fund (RLF) Grant Program. The City identified an approximate 0.964-acre parcel (parcel #80-1562-0000) of land located in downtown Clinton (Appendix A) at 480 South 3rd Street as a targeted Brownfield project. Hereinafter, this 0.964-acre parcel is referred to as the "Site." Eocene Environmental Group (Eocene) was retained by the City to complete an Analysis of Brownfields Cleanup Alternatives (ABCA). After reviewing the identified alternatives, Eocene recommends the following:

- Abatement of all asbestos containing materials (ACM) at the Site – with the exception of parapet tar on the roof of Building A. Descriptions of buildings are included in Section 2.1. Asbestos abatement will include:
    - Abatement of all ACM associated with Building A with the exception of roof parapet tar.
    - Buildings B1, B2, C1, C2, and C3 are not structurally sound. The buildings will be demolished and all debris will be treated, removed, and disposed of as regulated asbestos containing materials (RACM).
- Removing non-historic, mold-damaged materials to be disturbed in conjunction with asbestos abatement in Building A.
- Assuming all paint disturbed during asbestos abatement of Building A is lead-based paint (LBP).
- Entering into a Memorandum of Agreement (MOA) with the State Historic Preservation Office (SHPO). Mitigation measures may include:
    - Retaining signage and decorations that are historic in nature to the Site.
    - Adding a kiosk and photos in the entrance of Building A.
    - Creating a coffee table book on the history of the Site.
    - Separating Building A and securing entrances/opening to Building A, Building B2, and the remaining portion of Building C1 to protect from the elements and prevent further damage to the structures.

These selected alternatives will provide support toward redevelopment of the Site. This ABCA details each of the examined cleanup alternatives.

The proposed funding for this cleanup, in addition to using U.S. EPA Brownfield RLF Grant Program funds (grant numbers BF97764501 & BIL96709001), will be City funds and possibly a U.S. EPA Brownfield Cleanup Grant. The City is applying for a U.S. EPA Brownfield Cleanup Grant in the current FY2025 funding cycle.

2.0 INTRODUCTION

2.1 Site Location

The Site is comprised of one approximately 0.964-acres parcel located at 480 South 3rd Street in Clinton, Iowa. The structure is an approximately 27,000 basal square-foot structure and is located in downtown Clinton. The Site is currently owned by the city of Clinton and consists of a three-story building with a basement constructed circa 1905 (Building A) and a two-story building with a basement constructed circa 1905 (Building B1); a two-story addition with a basement/sub-level constructed circa 1961 (Building B2), a three-story addition with a sub-level constructed circa 1978 (Buildings C2 and C3), and a one-story addition constructed circa 1980 (Building C1). A Structure Identification Map is included in Appendix G.

Building A is a three-story, 6,504 basal square-foot brick and limestone structure with a basement; Building B1 is a two-story 2,820 basal square foot brick and block structure with a basement; Building B2 is a two-story 6,764 basal square foot precast concrete and brick addition with a basement/sub-level; Buildings C2 and C3 are a three-story 10,283 basal square foot precast concrete addition with a sub-level; and Building C1 is a one-story 492 basal square foot precast concrete addition.

2.2 Previous Site Use(s)

The Site historically operated as a Young Men's Christian Association (YMCA). In addition to providing activities and programs for men and boys in the community, there were sleeping rooms for young men living in the community. Building additions included swimming pools, gymnasiums, a running track, and other recreational facilities. The Site was vacated by January 1, 2021 and has been vacant since.

2.3 Site Assessment Findings

Summaries of the site assessment findings related to asbestos containing materials (ACM), mold, and lead-based paint (LBP) are included below.

2.3.1 Asbestos Containing Materials

An ACM Inspection was completed by Environmental Management Services of Iowa, Inc. between February 18 and March 2, 2021 (see Appendix C), and a supplemental ACM Inspection was completed by Terracon Consultants, Inc. between October 21, 2021 and January 14, 2022 (see Appendix D). Impact7G completed a supplemental/confirmation ACM Inspection between April 29 and May 17,2024 (see Appendix B). The purpose of the ACM Inspections was to identify and sample all accessible suspect asbestos containing building materials located on the Site.

Asbestos was detected in 71 of the 407 analyzed samples from the March 2021, January 2022, and May 2024 ACM Inspection reports. Identified ACMs include:

- Heat Exchanger Mag Insulation
- Mudded Fitting(s)
- Mudded Joint Fitting Canvas Wrap
- Woolsfelt Pipe Insulation
- Mud on Breeching
- Mudded Joint Fitting(s)
- Mag Pipe Insulation
- 9" x 9" Floor Tile(s)
- 9" x 9" Floor Tile Mastic(s)
- Cement Board Ceiling
- Ceiling Tile(s)
- Air Handler Vibration Cloth
- Floor Tile(s)
- Floor Tile Mastic
- Caulk(s)
- Built-Up Roof Layers
- Door Gasket
- 12" x 12" Vinyl Floor Tile
- 12" x 12" Vinyl Floor Tile Mastic
- 2' x 2' Cement Board
- Roof Tar
- Flashing Tar
- Parapet Tar

All building materials similar in appearance, color, and/or texture to those determined to contain asbestos must be assumed to contain asbestos throughout this building and additions.

For those ACMs within portions of the Site that are structurally sound (Building A), ACMs must be removed by a certified asbestos abatement contractor within a full containment and disposed of as asbestos waste prior to conducting demolition activities that may disturb them. Regulated ACM demolition will occur for the remaining portions of the Site (Buildings B1, B2, C1, C2, and C3). Asbestos abatement will occur for all identified ACMs,

with the only exception being Building A roof parapet tar, unless the Iowa SHPO determines specific ACMs contribute to the historic nature of Building A and must remain.

The Impact7G asbestos containing materials inspection containing the documented locations and estimated amounts is included in Appendix B.

2.3.2 Mold

A Moisture and Microbial Investigation was completed by Terracon Consultants, Inc. on August 18 and 22, 2022 (see Appendix E). The purpose of the Moisture and Microbial Investigation was to identify moisture and microbial growth in Building A.

Fungal spore trap air samples were collected at 30 locations inside the building and two locations outside of the building. Duplicate samples were also collected at three locations.

- Total airborne fungal spore concentrations inside of the building ranged from <13 spores/m^3 to 210,000 spores/m^3.
- The total outdoor fungal spore concentrations were 5,800 spores/m^3 and 6,000 spores/m^3.
- Although fungal spore concentrations indoors were generally lower than those found outdoors, certain fungal spore types were present in higher percentages compared to the outdoor samples; this indicates indoor amplification.
- Of the 31 indoor samples that identified *Penicillium/Aspergillus*, 26 spaces had concentrations of *Penicillium/Aspergillus* types of spores that dominated the total sample concentration and had elevated concentrations compared to outdoor samples, indicating the presence of fungal growth.

Surface samples were collected from six locations to determine if fungal contamination was present.

- Microbial growth was confirmed on two of the surface samples.

Following use of an infrared imaging camera to detect moisture impacted materials, a moisture meter was used throughout the building to confirm materials that may have been impacted by moisture intrusion. Moisture reading measurements were used to directly establish if materials are in a Dry (below 17% wood moisture equivalent (WME)), At Risk (17%-20% WME), or Wet (above 20% WME) condition.

- The west wall of room 3 and all walls in room 6 on the first floor were detected as Wet.
- At Risk readings from the first floor were noted at walls on rooms 1, 4, 5, and the lower stairwell.
- The west wall of room 10 on the second floor was detected as Wet.
- At Risk readings from the second floor were noted on walls in south restroom, room 10, and room 11.
- The majority of the basement walls were detected as Wet.
- At Risk readings from the basement were recorded in B3, B4, B5, and B7.

Apparent water staining or suspect microbial growth was observed in the following areas:

- Exterior walls and flooring throughout the basement.
- Ceiling tiles throughout the basement.
- Countertops in the main room of the first floor.
- Room 3, northwest wall in room 4, and lower wall in room 5 on the first floor.
- Countertops in room 6 on the first floor.
- Handrails and horizontal surfaces throughout the stairwells.
- Ceiling tiles in the majority of the former rooms/units on the second floor including north hallway.
- Walls in rooms 8-10 on the first floor.
- Flooring in northeast portion of the second floor (room 11, north restroom, and storage rooms) and the second floor north hallway.
- Counters in room 8 on the second floor.
- Select west side walls on the second and third floors that are adjoining (and in some cases, generally open to) the 1961 portion of the building.
- Ceiling tiles and flooring in the majority of the former rooms/units on the third floor.

The report noted “musty” odors were generally present throughout the building and were noted to be strongest in the basement and first floor areas, as well as the west side of the second floor (second floor north hallway area). In addition to the areas identified above, it appeared microbial growth or moisture were impacting miscellaneous materials, debris, and other trash throughout the building. Staff also observed that field paperwork utilized during the survey became damp after a short period of time within the building indicating elevated air moisture.

It was noted that significant moisture intrusion, water damaged materials, and microbial growth were observed in the 1961 and 1978 portions of the structure (both of which have reported roof leaks, and the tunnel spaces were previously observed to have varying amounts of standing water). Since the structures are generally open and accessible to each other on each floor/level of the building, these conditions could contribute to the continued deterioration of the conditions of Building A as a whole.

2.3.3 LBP

An LBP screening of all buildings at the Site, consisting of 121 readings utilizing an X-ray fluorescence analyzer (XRF), was conducted by Terracon Consultants, Inc. on October 20-22, 2021 (see Appendix D). LBP was identified in multiple XRF readings and in numerous buildings. However, aside from the exact location of each LBP XRF reading, locations of LBP in Building A cannot be determined due to the limited number of XRF readings.

2.4 Regional and Site Vulnerabilities

The Site is located in a densely developed urban area that is mapped by Federal Emergency Management Agency (FEMA) as located in an area with reduced flood risks due to levee – Zone X. The Site is protected from the 1-percent-annual-chance or greater flood hazard by a levee system. Overtopping or failure of any levee system is possible.

The anticipated impacts of climate change including increases in temperatures and precipitation coupled with weather variability, increased precipitation events, and rises in sea level are not anticipated to significantly affect the Site.

3.0 PROJECT GOAL

The plan for the Site is to preserve Building A and remodel into residential units. As all the other buildings have been determined to be structurally unsound, they will be demolished. An attached building structural letter completed by IMEG for Building B1 and the portion of Building C1 immediately adjacent to Building A is included in Appendix F. The goal of this project is to mitigate the asbestos at the entire Site by abatement. An additional goal for the Site is to remediate mold by removing non-historic, mold-damaged materials to be disturbed in conjunction with asbestos abatement occurring in Building A. In the absence of thorough lead-based paint (LBP) testing, all painted surfaces in Building A will be treated as LBP during asbestos abatement activities. Additionally, As the Site has been determined eligible for the National Register of Historic Places (NRHP) and federal funds will be used for the project, the Iowa SHPO must review the project under Section 106 of the National Historic Preservation Act. The City has proposed mitigation measures for adverse effects to the Site resulting from project activities with a goal of entering into a Memorandum of Agreement (MOA) with Iowa SHPO following approval of mitigation measures. The RACM demolition of Building B1 and the portion of Building C1 immediately adjacent to Building A is a mitigation measure to try and protect Building A from the elements and prevent further damage to the structure. Additional mitigation measures include securing entrances/openings to Building A, Building B2, and the remaining portion of Building C1 following initial RACM demolition.

In addition to the above project goals, this project has a green and sustainable remediation goal to protect human health and the environment from contaminants. As part of the asbestos removal the air quality will be monitored. The request for bids will ask bidders to provide details of all equipment that will be used on the Site for the removal of ACM, building demolition, and remediation of mold and LBP. Contractors using fewer emission emitting vehicles and equipment will be weighted into the final award decision. The project will include a waste management section in the site management plan, to prevent additional contamination. These measures are to reduce the demands placed on the environment during cleanup. Green and sustainable remediation best management practices are included in Appendix H.

Project work at the Site will consist of three phases: Phase 1a, Phase 1b, and Phase 2. The work associated with each phase, along with a note on funding source, is identified below:

<u>Phase 1a – funded by City local funds and Brownfield RLF Loan</u>
The initial phase of the project will consist of separating Building A from the remainder of the structure. To accomplish the separation, Building B1 and the portion of Building C1 immediately adjacent to Building A will be removed entirely. As Buildings B1 and C1 are not structurally sound, all debris will be treated as ACM and removed and disposed of as Regulated Asbestos Containing Material (RACM). The removal of Building B1 and a portion of Building C1 will be completed as mitigation measures in an effort to assist the City help preserve Building A. All resulting entrances and openings following the removal of Building B1 and the portion of Building C1 will be shored up. This phase will also consist of collection of signage and decorations historic in nature to be retained as part of a SHPO MOA.

Phase 1b – funded by City local funds and Brownfield RLF Loan

This phase of the project will consist of asbestos abatement of Building A. All asbestos, with the exception of roof parapet tar, will be abated unless the Iowa SHPO determines specific ACMs contribute to the historic nature of Building A and must remain. The asbestos containing roof parapet tar will remain. All painted surfaces disturbed during asbestos abatement will be treated as LBP. Non-historic, mold-damaged materials disturbed in conjunction with asbestos abatement work will be remediated by removing the mold-damaged materials.

Phase 2 – City is seeking a U.S. Brownfield Cleanup Grant to fund

The remaining structure (Buildings B2, C2, and C3, and a portion of Building C1) will be removed. Since Buildings B2, C1, C2, and C3 are not structurally sound, all debris will be treated as ACM and removed and disposed of as RACM. The City is applying for a U.S. EPA Brownfield Cleanup Grant in the current FY2025 funding cycle to fund this phase.

As the Site has been determined eligible for the National Register of Historic Places (NRHP) and federal funds will be used for the project, the Iowa SHPO must review the project under Section 106 of the National Historic Preservation Act. The City has proposed mitigation measures for adverse effects to the Site resulting from project activities with a goal of entering into a Memorandum of Agreement (MOA) with SHPO following approval of mitigation measures. Proposed mitigation measures include: 1) retaining YMCA signage and decorations that are historic in nature to the Site including colored glass to be placed in the renovated building; 2) adding a kiosk and photos in the entrance of the renovated building or a coffee table book on the history of the Site; and 3) separating Building A and securing entrances/openings to Building A, Building B2, and the remaining portion of Building C1 to protect from the elements and prevent further damage to the structures.

4.0 APPLICABLE REGULATIONS AND CLEANUP STANDARDS

4.1 Cleanup Oversight Responsibility

Eocene will oversee the cleanup in accordance with local, state, and federal regulations. Oversight agencies may include Occupational Safety and Health Administration (OSHA), Iowa Department of Natural Resources, and the U.S. EPA. Eocene will provide on-site guidance of regulations and observations during the cleanup process. Eocene will provide air monitoring services and project observation during asbestos abatement, which will include the collection and analysis of short-term excursion limit air samples, area air samples by each removal area, air samples at each entrance to a containment area, and HEPA exhaust air samples in order to document any potential fiber releases. These samples will be analyzed via the Phase Contrast Microscopy (PCM) method. At the completion of interior asbestos removal and upon the passing of a visual inspection, final clearance air samples will be collected and analyzed using the PCM method. No final clearance air samples will be collected for exterior asbestos removal. Eocene staff completing oversight activities will hold a valid asbestos Contractor/Supervisor license from the Iowa Department of Inspections, Appeals, & Licensing.

Mold remediation oversight will consist of a visual clearance inspection following remediation to document removal of the mold. As disturbance of presumed LBP will be occurring in containment areas, the asbestos and mold visual clearance inspections will serve as the confirmation that any LBP in the project area has been properly cleaned.

Assumed LBP work will be completed in accordance with local, state, and federal regulations. Eocene will not be providing monitoring or daily oversight with regard to LBP. As disturbance of assumed LBP will be occurring in containment areas, the asbestos visual clearance inspections will serve as the confirmation that any LBP in the project area has been properly cleaned. Additionally, depending on the end result of the area with paint disturbance (ie. residential versus commercial), the contractor may complete Post Renovation Cleaning Verification to document the containment has been appropriately cleaned.

All documents prepared during cleanup activities will be compiled into a final cleanup report.

4.2 Cleanup Standards for Major Contaminants

Asbestos, mold, and lead (in LBP) are the major contaminants of concern.

ACM

Prior to the renovation of Building A, an Iowa licensed asbestos abatement contractor will remove and dispose of identified ACM pursuant to National Emissions Standards Hazardous Pollutants (NESHAP) regulations. Buildings B1, B2, C1, C2, and C3 will be treated entirely as ACM. An Iowa licensed asbestos abatement contractor will remove and dispose of the entire buildings as RACM.

The asbestos NESHAP regulations specify work practices for asbestos to be followed during demolitions and renovations of all structures, installations, and buildings (excluding residential buildings that have four or fewer dwelling units). The regulations require the owner of the building or the operator to notify the appropriate state agency before any demolition, or before any renovations that could contain a certain threshold amount of asbestos or asbestos containing material. In addition, particular manufacturing, and fabricating operations either cannot emit visible emissions into the outside air or must follow air cleaning procedures, as well as follow certain requirements when removing asbestos containing waste.
(https://www.epa.gov/asbestos/asbestos-laws-and-regulations#ashara**)**

Mold

There are currently no industry standards regarding indoor air quality pertaining to mold. Remediation of mold-damaged materials will be carried out by a reputable, experienced mold remediation contractor utilizing the Environmental Protection Agency's Guidelines for Mold Remediation in Schools and Commercial Buildings as a guide.

Lead (in LBP)

If the end result of an area within Building A will be residential, the contractor, and/or firm disturbing LBP, must follow certification requirements listed in Iowa Administrative Code (IAC) 641 – Chapter 70. The firm selected must be an Iowa Lead Firm. The residential area includes any common areas that are used to access the residential portion of the building such as entryways, hallways, and stairways. Common areas associated with residential uses can also include, but are not limited to laundry rooms, day rooms, and/or lounge areas. If the residential areas are to be renovated, the firm must have an Iowa Licensed Lead Safe Renovator assigned to the project. All unlicensed workers, unless specified by the funding source to also have a Lead Safe Renovator license, will be trained on the job in lead-safe work practices.

If the residential areas (including common areas) are renovated, the Lead Safe Renovator will complete the Post Renovation Cleaning Verification. The Post Renovation Cleaning Verification, including any additional cleaning due to failures, will be completed in accordance with IAC 641 – Chapter 70. A visual assessment will be completed by the Lead Safe Renovator. Photographic documentation must be completed to identify the conditions during the visual assessment. Upon a passing visual assessment, wipe sampling will be completed by the Lead Safe Renovator and compared to the cleaning verification card. Photographic documentation will be completed to document the wipe samples in relation to the card.

If the residential areas are to have lead abatement conducted, the firm must designate an Iowa Licensed Abatement Contractor to oversee the project. All workers must be Iowa Licensed Lead Abatement Workers. If lead abatement is completed in a residential area (including common areas), Clearance Testing is required. Clearance Testing will be completed in accordance with IAC 641 – Chapter 70 prior to the areas being occupied by unlicensed workers and/or occupied by residents.

The Lead Inspector/Risk Assessor will complete a visual assessment to ensure all work was completed satisfactorily and that no dust or debris remains. Upon successful completion of the visual assessment, dust wipes will be collected from various floors, sills, and troughs as determined by the Lead Inspector/Risk Assessor. The dust samples will be sent under chain of custody to a National Lead Laboratory Accreditation Program (NLLAP) laboratory. Should the visual assessment or dust wipe sampling fail, the contractor is responsible for any additional work and/or cleaning at no additional cost. Upon passing of the visual assessment and dust wipe clearance testing, all containments and signage may be removed. The Abatement Contractor is responsible for including the Clearance Testing Report from the Inspector/Risk Assessor in the Abatement Report.

Unless otherwise required by the funding source, areas of the building that will not be residential as an end result, IAC 641 – Chapter 70 does not apply. Therefore, renovations and/or abatement that disturbs LBP in non-residential areas, and/or their associated common areas, is not required to be conducted by an Iowa Licensed Lead Firm, Lead Safe Renovator, Lead Abatement Contractor, and/or Lead Abatement Workers. All other OSHA and Hazardous Waste Regulations apply.

All aspects of OSHA's Lead in Construction Standard are applicable during the project. This includes but is not limited to medical surveillance, training, exposure monitoring, respiratory protection, personal protective equipment (PPE), safe work practices, hygiene facilities, containment, signage, hazard communication, and record keeping. If residential areas will be renovated, a standard notification must be provided to the owner and/or occupants in accordance with IAC 641 – Chapter 69. If residential areas will be abated, an abatement notification must be completed in accordance with IAC 641 – Chapter 70.

4.3 Laws & Regulations Applicable to the Cleanup

Laws and regulations that are applicable to this cleanup include the NESHAP standards and other Protection of the Environment (Title 40 Code of Federal Regulations) standards, Labor (Title 29 Code of Federal Regulations) standards, Federal Small Business Liability Relief and Brownfields Revitalization Act, Federal Davis-Bacon Act, and city of Clinton by-laws. IAC 641 – Chapters 69 and 70 may be applicable, pending the alternative selected to address LBP. Federal, state, and local laws regarding the procurement of contractors to conduct the cleanup will be followed.

The Site building was constructed circa 1905 with additions in 1961, 1978, and 1980. When federal funds are used on projects that will disturb historic structures or the ground associated with these structures, the Iowa SHPO must review the project under Section 106 of the National Historic Preservation Act. This Section 106 review will be submitted and approved prior to commencement of cleanup work at the Site.

All appropriate permits (i.e., IDNR 10-Day Notification, Iowa One-Call, Disposal, etc.) will be obtained prior to commencement of work.

5.0 EVALUATION OF CLEANUP ALTERNATIVES

5.1 Cleanup Alternatives Considered

Cleanup alternatives were considered for each of the major contaminants of concern associated with this project: asbestos, mold, and lead-based paint. As federal funds are being used for the project, alternatives are provided for the SHPO/Section 106 review.

To address the widespread asbestos contamination at the Site, three different alternatives were considered:

- Alternative #1 – No Action
- Alternative #2 – Asbestos abatement of Building A and RACM demolition of Buildings B1, B2, C1, C2, and C3.
- Alternative #3 – Asbestos abatement of Buildings A, B2, C2, C3, and a portion of Building C1. RACM demolition of Building B1 and the portion of C1 immediately adjacent to Building A. **Note: this alternative must be used on conjunction with SHPO/Section 106 Alternative #3.**

To address the widespread mold contamination at the Site, three different alternatives were considered:

- Alternative #1 – No Action
- Alternative #2 – Remediation of mold by removing non-historic, mold-damaged materials to be disturbed in conjunction with asbestos abatement in Building A.
- Alternative #3 – Remediation of all mold in Building A, including mold on non-porous materials including, but not limited to, concrete, plaster, metal, and brick.

To address LBP at the Site, three different alternatives were considered in the absence of a thorough Lead Inspection:

- Alternative #1 – No Action
- Alternative #2 – Assume all paint disturbed during asbestos abatement of Building A is LBP and treat as such, short of full abatement.
- Alternative #3 – Assume all paint in Building A is LBP and abate all painted surfaces.

To address the Section 106 review by SHPO for the Site, three different alternatives were considered:

- Alternative #1 – No Action
- Alternative #2 – Enter into an MOA with SHPO to mitigate adverse effects to the NRHP-eligible Site resulting from project activities using federal funds.
- Alternative #3 – Shore up and salvage structurally unsound buildings (Buildings B1, B2, C1, C2, and C3).

5.2 Evaluation of Cleanup Alternatives - ACM

To satisfy EPA requirements, the effectiveness, ability to implement, and cost of each alternative must be considered prior to selecting a recommended cleanup alternative.

5.2.1 Effectiveness

- Alternative #1 – No Action:
  - A "No Action" alternative signifies that no abatement activities would be implemented at the Site. The "No Action" alternative does not include a means for mitigating or eliminating potential exposure to asbestos containing building materials both during and following redevelopment. This would also inhibit future redevelopment initiatives as asbestos, if planned to be disturbed by proposed redevelopment, must be abated prior to redevelopment. Therefore, the potential for human exposure would continue to exist for future residents, construction workers, commercial workers, and patrons. Additionally, there is the risk Building A becomes structurally unsound due to exposure to the elements from connected, adjoining buildings.
- Alternative #2 – Asbestos abatement of Building A and RACM demolition of Buildings B1, B2, C1, C2, and C3:
  - This alternative would utilize standard techniques to remove the ACM – including whole-building RACM demolition. ACM would be removed by a state certified asbestos abatement contractor and properly disposed at a licensed and permitted facility. The Site would be free of ACM, with the exception of Building A roof parapet tar, with this alternative.
- Alternative #3 – Asbestos abatement of Buildings A, B2, C2, C3, and a portion of Building C1. RACM demolition of Building B1 and a portion of C1:
  - This alternative would utilize standard techniques to remove the ACM – including whole-building RACM demolition. ACM would be removed by a state certified asbestos abatement contractor and properly disposed at a licensed and permitted facility. The Site would be free of ACM, with the exception of Building A roof parapet tar, with this alternative.

5.2.2 Implementability

- Alternative #1 – No Action:
  - Easy to implement since no actions will be conducted.
- Alternative #2 – Asbestos abatement of Building A and RACM demolition of Buildings B1, B2, C1, C2, and C3:
  - Moderately easy to implement followed by remodel of Building A into residential units.
- Alternative #3 – Asbestos abatement of Buildings A, B2, C2, C3, and a portion of Building C1. RACM demolition of Building B1 and a portion of C1:
  - Difficult to implement as requires structurally unsound buildings to be made structurally sound. Once buildings are made structurally sound this alternative is moderately easy to implement.

5.2.3 Cost

- Alternative #1 – No Action
  - $6,300 annually to keep the building secure and provide maintenance. Does not take into account cost for cleanup if structurally unsound buildings collapse or Building A is affected and becomes structurally unsound.

- Alternative #2 – Asbestos abatement of Building A and RACM demolition of Buildings B1, B2, C1, C2, and C3:
    - Estimated $1,583,500,000 for ACM abatement. The cost of remodeling the Site into residential units is not included in this estimate.
        - Abatement of Building A: $205,000
        - RACM Demolition of Building B1 and portion of C1 immediately adjacent to Building A: $320,000
        - RACM Demolition of Buildings B2, C2, C3, and portion of C1 remaining following Phase 1b: $1,058,500
- Alternative #3 – Asbestos abatement of Buildings A, B2, C2, C3, and a portion of Building C1. RACM demolition of Building B1 and a portion of C1:
    - Estimated $735,000 for ACM abatement. The cost of remodeling the Site into residential units is not included in this estimate. **Note: this alternative must be used on conjunction with SHPO/Section 106 Alternative #3 ($10,700,000)**
        - Abatement of Building A: $205,000
        - RACM Demolition of Building B1 and portion of C1 immediately adjacent to Building A: $320,000
        - Abatement of Buildings B2, C2, C3, and portion of C1 remaining following Phase 1b.: $210,000

5.3 Evaluation of Cleanup Alternatives - Mold

To satisfy EPA requirements, the effectiveness, ability to implement, and cost of each alternative must be considered prior to selecting a recommended cleanup alternative.

5.3.1 Effectiveness

- Alternative #1 – No Action:
    - A “No Action” alternative signifies that no remediation activities would be implemented at the Site. The “No Action” alternative does not include a means for mitigating or eliminating potential exposure to mold during redevelopment. This would not assist future redevelopment initiatives as mold would be left for the developer. Therefore, the potential for human exposure would continue to exist for future residents, construction workers, commercial workers, and patrons.
- Alternative #2 – Remediation of Non-Historic, Mold-Damaged Materials in Building A Disturbed in Conjunction with Asbestos Abatement:
    - This alternative would utilize standard techniques to remove non-historic, mold-damaged materials to be disturbed in conjunction with asbestos abatement. Mold would be removed by a reputable, experienced mold remediation contractor following accepted remediation practices.
- Alternative #3 – Remediation of all Mold in Building A:
    - This alternative would utilize standard techniques to remove all mold. Mold would be removed by a reputable, experienced mold remediation contractor following accepted remediation practices. The Site would be free of mold following remediation though mold re-growth may occur if water intrusion, temperature and humidity are not controlled in Building A.

5.3.2 Implementability

- Alternative #1 – No Action:
  - Easy to implement since no actions will be conducted.
- Alternative #2 – Remediation of Non-Historic, Mold-Damaged Materials in Building A Disturbed in Conjunction with Asbestos Abatement:
  - Easy to implement. Removal of non-historic, mold-damaged materials could be done even when Building A doesn't have power. No mold re-growth would occur as the materials would no longer be present.
- Alternative #3 – Remediation of all Mold in Building A:
  - Moderately difficult to implement. The best success for remediation of all mold in Building A would be if remediation occurred when a functioning HVAC system is in place. Otherwise, it is likely mold re-growth would occur.

5.3.3 Cost

- Alternative #1 – No Action
  - $6,300 annually to keep the building secure and provide maintenance. Does not take into account cost for cleanup if structurally unsound buildings collapse or Building A is affected and becomes structurally unsound.
- Alternative #2 – Remediation of Non-Historic, Mold-Damaged Materials in Building A Disturbed in Conjunction with Asbestos Abatement:
  - Estimated $20,000 for removal of non-historic, mold-damaged materials to be disturbed during the course of asbestos abatement. The cost of remodeling the Site into residential units is not included in this estimate.
- Alternative #3 – Remediation of all Mold in Building A:
  - Estimated $280,000 for remediation of all mold. The cost of remodeling the Site into residential units is not included in this estimate.

5.4 Evaluation of Cleanup Alternatives - LBP

To satisfy EPA requirements, the effectiveness, ability to implement, and cost of each alternative must be considered prior to selecting a recommended cleanup alternative.

5.4.1 Effectiveness

- Alternative #1 – No Action:
  - A "No Action" alternative signifies that no remediation activities would be implemented at the Site. The "No Action" alternative does not include a means for mitigating or eliminating potential exposure to LBP during redevelopment. This would also not assist future redevelopment initiatives as LBP would be left for the developer. Therefore, the potential for human exposure would continue to exist for future residents, construction workers, commercial workers, and patrons.
- Alternative #2 – Assume Disturbed Paint in Building A is LBP:
  - This alternative would utilize standard techniques to treat painted surfaces disturbed during asbestos abatement as LBP. If paint disturbance occurs in an area of Building A that is residential or will be residential, the contractor must follow certification requirements of IAC 641 – Chapter 70. If paint disturbance occurs in an area of Building A that will not be residential, IAC 641 – Chapter 70 does not apply. Surfaces associated with abated asbestos would be free of LBP with this alternative.

- Alternative #3 – Assume all paint in Building A is LBP and Abate:
    - This alternative would utilize standard techniques to assume all paint is LBP and abate as such. The contractor performing the work must be an Iowa lead Firm. The site would be free of LBP with this alternative.

5.4.2 Implementability

- Alternative #1 – No Action:
    - Easy to implement since no actions will be conducted.
- Alternative #2 – Assume Disturbed Paint in Building A is LBP:
    - Easy to implement. Contractors completing asbestos abatement will already be working in containment and utilizing safety procedures/equipment to protect workers from LBP. Visual clearance inspections completed as part of asbestos abatement will be the confirmation that any LBP in the containment has been properly cleaned.
- Alternative #3 – Assume all paint in Building A is LBP and Abate:
    - Moderately difficult to implement followed by remodel of Building A into residential units. This alternative would result in a complete removal of all walls and ceilings without regard for SHPO requirements.

5.4.3 Cost

- Alternative #1 – No Action
    - $6,300 annually to keep the building secure and provide maintenance. Does not take into account cost for cleanup if structurally unsound buildings collapse or Building A is affected and becomes structurally unsound.
- Alternative #2 – Assume Disturbed Paint in Building A is LBP:
    - Estimated $60,000 to assume all disturbed paint is LBP. The cost of remodeling the Site into residential units is not included in this estimate.
- Alternative #3 – Assume all paint in Building A is LBP and Abate:
    - Estimated $200,000 for abatement of all paint (assumed LBP). The cost of remodeling the Site into residential units is not included in this estimate.

5.5 Evaluation of Cleanup Alternatives - SHPO/Section 106

To satisfy EPA requirements, the effectiveness, ability to implement, and cost of each alternative must be considered prior to selecting a recommended cleanup alternative.

5.5.1 Effectiveness

- Alternative #1 – No Action:
    - A “No Action” alternative signifies that no mitigation activities would be implemented at the Site. The “No Action” alternative does not include a means for mitigating adverse effects to the NRHP-eligible Site resulting from project activities utilizing federal funding. This would also inhibit future redevelopment initiatives as the Site, if planned to be disturbed using federal funds, must comply with Section 106 of the National Historic Preservation Act. Therefore, a Section 106 review would still need to be completed for the Site for work involving federal funding. A Section 106 review would not be needed for work that does not involve federal funding.
- Alternative #2 – SHPO MOA:
    - This alternative would allow SHPO to provide comment on the proposed project via a Section 106 review. Following an approved MOA with SHPO, the project would be allowed to proceed.

- Alternative #3 – Shore up and Salvage Buildings:
    - This alternative would allow for re-use of the currently structurally unsound buildings. SHPO comment via a Section 106 review would still be required if the project utilized federal funding. Following an approved scope of work by SHPO, the project would be allowed to proceed.

5.5.2 Implementability

- Alternative #1 – No Action:
    - Easy to implement since no actions will be conducted.
- Alternative #2 – SHPO MOA:
    - Moderately easy to implement. Exterior signage can be easily removed for installation in the renovated building. Interior decorations may be more difficult to safely remove. A kiosk in the entrance of the renovated building or a coffee table book are easy to create/put together. Will be moderately difficult to shore up entrances and openings following removal of adjoining buildings.
- Alternative #3 – Shore up and Salvage Buildings:
    - Difficult to implement. Extensive architect design and engineering would be required to shore up the structurally unsound buildings. Construction would be required to occur within the structurally unsound buildings and would be time consuming.

5.5.3 Cost

- Alternative #1 – No Action
    - $6,300 annually to keep the building secure and provide maintenance. Does not take into account cost for cleanup if structurally unsound buildings collapse or Building A is affected and becomes structurally unsound.
- Alternative #2 – SHPO MOA:
    - Estimated $104,500 for SHPO mitigation (MOA) items. The cost of design to remove decorations that are historic in nature is not included in this estimate.
        - Retaining YMCA signage and decorations historic in nature including colored glass to be placed in renovated building: $30,000
        - Kiosk and photos in entrance of renovated building: $9,500
        - Coffee table book on the history of the Site: $10,000
        - Shoring up entrances/openings: $55,000
- Alternative #3 – Shore up and Salvage Buildings:
    - Estimated $10,700,000 for architect design, engineering, and construction to salvage the structurally unsound buildings and make structurally sound for reuse. Includes fixing associated deteriorated rooftops.

6.0 RECOMMENDED CLEANUP ALTERNATIVE

Each of the alternatives and the comparison criteria are summarized below in **Tables 1-4**. Based on the evaluation of remedial alternatives presented above, the recommended alternative for asbestos is Alternative #2, asbestos abatement of Building A and RACM demolition of Buildings B1, B2, C1, C2, and C2; the recommended alternative for mold is Alternative #2, remediation of mold by removing non-historic, mold-damaged materials to be disturbed in conjunction with asbestos abatement in Building A; the recommended alternative for LBP is #2, assuming all paint disturbed during asbestos abatement in

Building A is LBP; and the recommended alternative for SHPO/Section 106 is Alternative #2, enter into an MOA with SHPO. These selected alternatives will provide support toward redevelopment of the Site. A summary of the costs for the recommended alternatives is presented in **Table 5**.

6.1 ACM

Each of the asbestos abatement alternatives and the comparison criteria are summarized below in **Table 1**. Based on the evaluation of remedial alternatives presented above, the recommended alternative is Alternative #2, asbestos abatement of Building A and RACM demolition of Buildings B1, B2, C1, C2, and C3. Alternative #3 also eliminates exposure while allowing site redevelopment, but will result in immense costs as it must be used in conjunction with SHPO/Section 106 Alternative #3.

Table 1 – Summary of Remedial Alternatives for Asbestos

Evaluation Criteria	**Alternative #1 No Action**	**Alternative #2 Asbestos Abatement of Building A and RACM Demolition of Buildings B1, B2, C1, C2, and C3**	**Alternative #3 Asbestos Abatement of Buildings A, B2, C2, and C3, and a portion of Building C1. RACM Demolition of Building B1 and a portion of Building C1**
Effectiveness & Reliability	Not Effective or Reliable.	Abatement of asbestos containing materials, removes the exposure pathways and is proven to be an effective and reliable form of remediation. Long-term maintenance is not required with the exception of parapet tar on the roof of Building A.	Abatement of asbestos containing materials, removes the exposure pathways and is proven to be an effective and reliable form of remediation. Long-term maintenance is not required with the exception of parapet tar on the roof of Building A.

Table 1 – Summary of Remedial Alternatives for Asbestos			
Evaluation Criteria	**Alternative #1 No Action**	**Alternative #2 Asbestos Abatement of Building A and RACM Demolition of Buildings B1, B2, C1, C2, and C3**	**Alternative #3 Asbestos Abatement of Buildings A, B2, C2, and C3, and a portion of Building C1. RACM Demolition of Building B1 and a portion of Building C1**
Feasibility & Ease of Implementation	Not feasible but easily implementable.	Utilizes standard construction, remedial, and abatement techniques. Therefore, this alternative is technically practical and moderately easily implementable. Historically significant building materials containing asbestos will not be able to be reused, nor those located in the structurally unsound buildings (Building B1, B2, C1, C2, and C3) slated for whole-building RACM demolition.	Utilizes standard construction, remedial, and abatement techniques. As this alternative must be used in conjunction with SHPO/Section 106 Alternative #3, this alternative is not feasible but moderately easily implementable if structurally unsound buildings are made structurally sound. Historically significant building materials containing asbestos will not be able to be reused, nor those located in structurally unsound buildings (Building B1 and portion of Building C1) slated for whole-building RACM demolition.
Risk Reduction & Green and Sustainable Remediation	No reduction in risks to human health and the environment. No reduction in contaminant mobility or toxicity. No green and sustainable remediation benefits.	Risk to human health by exposure to ACM are permanently eliminated by abatement/removal – with the exception of asbestos containing parapet tar on the roof of Building A and materials containing <1% asbestos in Building A.	Risk to human health by exposure to ACM are permanently eliminated by abatement/removal – with the exception of asbestos containing parapet tar on the roof of Building A and materials containing <1% asbestos in Building A.
Costs	$6,300 annually	$1,583,500	$735,000 (This alternative must be used with SHPO/Section 106 Alternative #3 ($10,700,000)
Time to Reach Permanent Solution	Will not be achieved.	Four to ten months.	Four to 19 months – depending if EPA Brownfield Cleanup Grant is awarded.

6.2 Mold

Each of the mold remediation alternatives and the comparison criteria are summarized below in **Table 2**. Based on the evaluation of remedial alternatives presented above, the recommended alternative is Alternative #2, remediation of non-historic, mold-damaged materials to be disturbed in conjunction with asbestos abatement in Building A. This alternative was selected because it results in removal of mold-damaged materials disturbed during abatement mold and there is no chance of mold re-growth on these materials in the absence of a functioning HVAC system.

Table 2 – Summary of Remedial Alternatives for Mold

Evaluation Criteria	Alternative #1 No Action	Alternative #2 Remediation in Conjunction with Asbestos Abatement in Building A	Alternative #3 Full Remediation in Building A
Effectiveness & Reliability	Not Effective or Reliable.	Remediation of non-historic, mold-damaged materials removes the exposure pathways and is an effective and reliable form of remediation for those specific materials. Long-term maintenance is required for remaining mold and mold growth may occur on other materials in the absence of a functioning HVAC system.	Remediation of mold and removes the exposure pathways. However, in the absence of a functioning HVAC system, mold re-growth may occur and additional remediation may be required.
Feasibility & Ease of Implementation	Not feasible but easily implementable.	Utilizes standard remediation techniques. Therefore, this alternative is technically practical and easily implementable. Historically significant building materials will not be removed.	Utilizes standard remediation techniques. Therefore, this alternative is technically practical and easily implementable. Best success when a functioning HVAC system is in place. Mold may be present on historic materials and SHPO may require mitigation efforts to clean.

Table 2 – Summary of Remedial Alternatives for Mold			
Evaluation Criteria	**Alternative #1 No Action**	**Alternative #2 Remediation in Conjunction with Asbestos Abatement in Building A**	**Alternative #3 Full Remediation in Building A**
Risk Reduction & Green and Sustainable Remediation	No reduction in risks to human health and the environment. No reduction in contaminant mobility or toxicity. No green and sustainable remediation benefits.	Risk to human health by exposure to mold are permanently eliminated from materials that currently contain mold which will be disturbed by asbestos abatement activities in Building A. All other existing mold-damaged materials are not remediated so human health exposure risks are not eliminated. Mold growth may occur in the future on materials that do not currently contain mold.	Risk to human health by exposure to mold are temporarily eliminated by remediation. Mold re-growth may occur if water intrusion, temperature, and humidity are not controlled.
Costs	$6,300 annually	$20,000	$280,000
Time to Reach Permanent Solution	Will not be achieved.	Four to ten months.	Four to ten months.

6.3 LBP

Each of the LBP remediation alternatives and the comparison criteria are summarized below in **Table 3**. Based on the evaluation of remedial alternatives presented above, the recommended alternative is Alternative #2, assume disturbed paint in Building A is LBP. This alternative was selected because it ensures contractors disturbing potential LBP are utilizing safety procedures/equipment to protect workers. Alternative #3 may result in historically significant building materials being disturbed and also increased costs.

Table 3 – Summary of Remedial Alternatives for Lead-Based Paint			
Evaluation Criteria	**Alternative #1 No Action**	**Alternative #2 Assume Disturbed Paint in Building A is LBP**	**Alternative #3 Assume All Paint in Building A is LBP and Abate**
Effectiveness & Reliability	Not Effective or Reliable.	Remediation of assumed LBP from those materials already being disturbed, removes the exposure pathways and is an effective and reliable form of remediation. Does not remove assumed LBP from all of Building A. Long-term maintenance is required for remaining LBP.	Abatement of assumed LBP from all of Building A, removes the exposure pathways and is an effective and reliable form of remediation. Long-term maintenance is not required.

Table 3 – Summary of Remedial Alternatives for Lead-Based Paint			
Evaluation Criteria	**Alternative #1 No Action**	**Alternative #2 Assume Disturbed Paint in Building A is LBP**	**Alternative #3 Assume All Paint in Building A is LBP and Abate**
Feasibility & Ease of Implementation	Not feasible but easily implementable.	Utilizes standard remediation techniques where contractors completing asbestos abatement will already be working in containment and using safety procedures/equipment to protect workers from LBP. Therefore, this alternative is technically practical and easily implementable. Historically significant building materials will not be removed.	Utilizes standard abatement techniques. Therefore, this alternative is technically practical and easily implementable. May require disturbance to historically significant building materials and SHPO may require mitigation efforts as part of abatement.
Risk Reduction & Green and Sustainable Remediation	No reduction in risks to human health and the environment. No reduction in contaminant mobility or toxicity. No green and sustainable remediation benefits.	Risk to human health by exposure to LBP are permanently eliminated from painted surfaces disturbed by asbestos abatement. All other LBP throughout Building A are not remediated so human health exposure risks are not eliminated.	Risk to human health by exposure to LBP are permanently eliminated by abatement.
Costs	$6,300 annually	$60,000	$200,000
Time to Reach Permanent Solution	Will not be achieved.	Four to ten months.	Four to 12 months.

6.4 SHPO/Section 106

Each of the SHPO/Section 106 review alternatives and the comparison criteria for proposed mitigation measures are summarized below in **Table 4**. Based on the evaluation of alternatives presented above, the recommended alternative is Alternative #2, Enter into an MOA with SHPO. This alternative was selected as it allows for the project to proceed as proposed utilizing federal funding. Alternative #3 would result in the buildings being salvaged but is not feasible technically and is difficult to implement. Alternative #3 will also result in immense costs.

Table 4 – Summary of Remedial Alternatives for SHPO/Section 106 Review			
Evaluation Criteria	**Alternative #1 No Action**	**Alternative #2 SHPO MOA**	**Alternative #3 Shore up and Salvage Buildings**
Effectiveness & Reliability	Not Effective or Reliable.	Entering into an MOA with SHPO is effective and reliable as it allows the project as proposed to proceed utilizing federal funding. Section 106 review would be completed and no longer required for the demolished building additions. The remaining building would still require Section 106 review for any work with a federal funding source.	Shoring up and salvaging the structurally unsound buildings is effective and reliable as it allows for reuse of the buildings. The project would still require SHPO review via Section 106 if completing using federal funding. Future work on buildings would require Section 106 review for any work with a federal funding source.
Feasibility & Ease of Implementation	Not feasible but easily implementable.	Utilizes standard construction techniques, potentially specific to asbestos abatement or LBP remediation, to retain signage and decorations that are historic in nature, and to shore up entrances and openings to Building A, Building B2, and the remaining portion of Building C1 following removal of adjoining buildings. Creation of a kiosk or coffee table book will not involve construction or disturbance of materials. Therefore, this alternative is technically practical and moderately easily implementable. Historically significant building materials from building additions to be demolished will be reused where possible.	Utilizes architect design, engineering, and construction to salvage structurally unsound buildings and make structurally sound for reuse. Includes fixing associated deteriorated rooftops. Therefore, this alternative is not feasible technically and is difficult to implement. Wil result in structurally significant buildings being salvaged.

Table 4 – Summary of Remedial Alternatives for SHPO/Section 106 Review			
Evaluation Criteria	**Alternative #1 No Action**	**Alternative #2 SHPO MOA**	**Alternative #3 Shore up and Salvage Buildings**
Risk Reduction & Green and Sustainable Remediation	No contaminants associated with this alternative or risks to human health and the environment. No green and sustainable remediation benefits.	No contaminants have been identified associated with this alternative or risks to human health and the environment. No green and sustainable remediation benefits.	No contaminants have been identified associated with this alternative or risks to human health and the environment. No green and sustainable remediation benefits.
Costs	$6,300 annually	$104,500	$10,700,000
Time to Reach Permanent Solution	Will not be achieved.	One to four months – with the exception of signage installed in renovated Building A	Eight to 14 months – with the exception of signage installed in renovated Building A

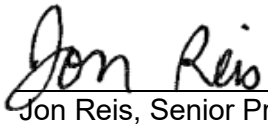
6.5 Alternatives Summary

A summary of the costs associated with the recommended alternatives is presented in Table 5 below.

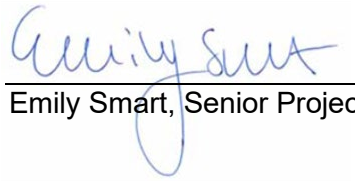
Table 5 – Summary of Recommend Alternatives Costs		
Cleanup Items	**Alternative Recommended**	**Cost**
ACM	#2 Asbestos Abatement of Building A and RACM Demolition of Buildings B1, B2, C1, C2, and C3	$1,583,500
Mold	#2 Remediation of Non-Historic, Mold Damaged Materials to be Disturbed in Building A during Asbestos Abatement	$20,000
LBP	#2 Assume Disturbed Paint in Building A is LBP	$60,000
SHPO/Section 106	#2 Enter into MOA with SHPO	$104,500
	Total:	**$1,768,000**

7.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Signatures of the environmental professionals responsible for this report:



Jon Reis, Senior Project Manager, Report Preparer



Emily Smart, Senior Project Manager, Quality Control and Assurance

APPENDIX A

Site Vicinity Map

APPENDIX A - SITE VICINITY MAP

North



Site Vicinity Map

City of Clinton / ECIA
Fromer YMCA – 480 South 3rd Street
Clinton, Iowa 52732

APPENDIX B

Impact7G Asbestos Containing Materials Inspection Report

ASBESTOS CONTAINING MATERIALS INSPECTION



Former YMCA Building
480 South 3rd Street
Clinton, Iowa 52733

Prepared for:

East Central Intergovernmental Association **7600 Commerce Park** **Dubuque, Iowa 52002**	**City of Clinton** **611 South 3rd Street** **Clinton, Iowa 52733**

Prepared by:

8951 Windsor Parkway
Johnston, Iowa 50131

May 24, 2024

ASBESTOS CONTAINING MATERIALS INSPECTION

Former YMCA Building
480 South 3rd Street
Clinton, Iowa 52733

Inspected by:



Leon Johnson
Environmental Specialist II
Iowa Certified Asbestos Inspector: 24-11232I



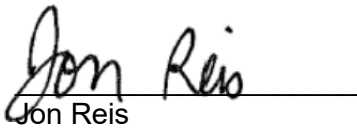
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Leon Johnson
Environmental Specialist I
Iowa Certified Asbestos Inspector: 24-11232I

Reviewed by:



Jon Reis
Sr. Project Manager
Iowa Certified Asbestos Inspector: 24-11127I

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1.0 EXECUTIVE SUMMARY

Impact7G, Inc. (Impact7G), completed a supplemental Asbestos Containing Materials (ACM) Inspection on April 29 and 30, 2024, of the former YMCA building located at 480 South 3rd Street, Clinton, Iowa 52733 (Property). The purpose of this supplemental ACM Inspection is to confirm and quantify the materials documented by Environmental Management Services of Iowa (EMS) and Terracon Consultants, Inc. (Terracon) and identify and sample potential areas and materials omitted from previous sampling. The report will assist the City of Clinton in facilitating renovation and demolition activities of the building.

Asbestos was detected in 38 of the 148 samples collected from various building components within the Property's interior and exterior by EMS and 30 of the 226 samples collected by Terracon. Asbestos was detected in three of the 33 additional samples collected by Impact7G. See Table 1 for additional information. ACMs include:

- Heat Exchanger Mag Insulation
- Mudded Fitting(s)
- Woolsfelt Pipe Insulation
- Mud on Breeching
- Mudded Joint Fitting(s)
- Mag Pipe Insulation
- 9" x 9" Floor Tile(s)
- 9" x 9" Floor Tile Mastic(s)
- Cement Board Ceiling
- Ceiling Tile(s)
- Air Handler Vibration Cloth
- Floor Tile(s)
- Floor Tile Mastic
- Caulk(s)
- Linoleum(s)
- Built-Up Roof Layers
- Door Gasket
- 12" x 12" Vinyl Floor Tile
- 12" x 12" Vinyl Floor Tile Mastic
- 2' x 2' Cement Board
- Roof Tar
- Flashing Tar
- Parapet Tar

All building materials similar in appearance, color, and/or texture to those determined to contain asbestos must be assumed to contain asbestos throughout this building.

Based on these results, the Property requires further action prior to any renovation or demolition activities. The following table provides a summary of the identified ACM, their location, and estimated quantities:

Table 1 – Asbestos Containing Materials Summary List

Material Substance	Location	Asbestos Content	Est. Quantity
Heat Exchanger Mag Insulation / Mag Pipe Insulation	1961 Building – Basement Pool Filter/Mechanical Room 1905 Building – Basement Stair Landing; Basement Room B-5 and B-9 Boiler Room	2% Chrysotile / 5% Amosite 2-12.75% Chrysotile	1961 Building: 10 SF 1905 Building: 30 LF
Mudded Fitting / Mudded Joint Fitting	1961 Building – Basement Pool Filter/Mechanical Room; Sub-Level Shower Chase; Women's and Girl's Locker Rooms; 2nd and 3rd Floor Between Floors and Walls to Restrooms 1905 Building – Basement Boiler Room; Basement Near South Storage; 1st Floor Restroom Chase; Basement Boiler Room T6; Basement SE Chase T6; 1st Floor Restroom T6; Basement Rooms B-1 through B-11; 1st Floor Rooms 3, 6, and Boy's Restroom Pipe Chase	2-12.50% Chrysotile 2-10% Chrysotile / <1-5% Amosite	1905 Building Basement: 233 1st Floor: 24 2nd Floor: 11 1961 Building Basement: 219 1st Floor: 46 2nd Floor: 12
Mudded Joint Fitting Canvas Wrap	1961 Building – Women's and Girl's Locker Rooms; 2nd and 3rd Floor Between Floors and Walls to Restrooms 1905 Building – Basement Rooms B-1 through B-11; 1st Floor Rooms 3, 6, and Boy's Restroom Pipe Chase	1.5% Chrysotile	Included in the above Mudded Fitting / Mudded Joint Fitting
Woolsfelt Pipe Insulation / Layered Pipe Insulation	1961 Building – Basement Pool Filter/Mechanical Room; Women's and Girl's Locker Rooms; 2nd and 3rd Floor Between Floors and Walls to Restrooms 1905 Building – Basement Boiler Room; Basement Stair Landing; 1st Floor Restroom Chase; Basement Rooms B-1 through B-11; 1st Floor Rooms 3, 6, and Boy's Restroom Pipe Chase	2-8% Chrysotile	1905 Building: 1,800 LF 1961 Building: 700 LF
Mud on Breeching	1905 Building – Basement Boiler Room	10% Amosite	200 SF
Various Colors of 9" x 9" Floor Tile and Black Mastic	1905 Building – Basement Southeast Room; Basement Southeast Corner of Room B-1; 1st Floor Room 4; 2nd Floor Kitchen; 2nd Floor North, South, and East Hallways; 2nd Floor Restroom; 2nd Floor Rooms 7-9; 3rd Floor Common Room; Basement Room B-2	Floor Tile: 2.8-12.2% Chrysotile Mastic: 1.1-3.5% Chrysotile	1905 Building Basement: 650 SF 1st Floor: 1,610 SF 2nd Floor: 3,620 SF 3rd Floor: 1,390 SF
Various Colors of 9" x 9" Floor Tile	1905 Building – Basement Southwest Main Area; 2nd Floor South Restroom Southeast Corner (under sheet flooring); 1st Floor West Side of Lobby (beneath carpet); Basement Room B-1; Basement Stair Landing; 1st Floor Room 3; 1st Floor West Side Storage; Basement Room B-2 1961 Building – Sub-Level Women's and Girl's Locker Rooms; 1st Hallways; Stairwells to 2nd Floor	1.2-5.8% Chrysotile	1905 Building Basement: 2,328 SF 1961 Building Basement: 2,240 SF 1st Floor: 770 SF 2nd Floor: 1,363 SF 3rd Floor: 150 SF

Material Substance	Location	Asbestos Content	Est. Quantity
Cement Board Ceiling / 2' x 2' Cement Board	1905 Building – Basement Southwest Side Main Area; Basement Room B-4 and Room B-1 1961 Building – Large Pool Room Ceiling 1978 Building – Small Pool Room	18-25% Chrysotile	1905 Building Basement: 1,376 SF 1961 Building Basement: 8 SF 1st Floor: 3,700 SF 1978 Building 1st Floor: 132 SF
Ceiling Tiles	1905 Building – Basement Near South Storage	<1% Chrysotile	2,300 SF
Air Handler Vibration Cloth	1905 Building – Basement North Air Handler; Basement Mechanical Room 1961 Building – Basement Pool Mechanical Room; Mezzanine Mechanical Room	20-50% Chrysotile	1905 Building Basement: 2 1961 Building 1st Floor: 9
Various Colors of Floor Tiles	1905 Building – 1st Floor Southeast Room; 1st Floor Storeroom Behind Counter; 2nd Floor Kitchen; 2nd Floor North Room	2-5% Chrysotile	1905 Building 1st Floor: 2,050 SF 2nd Floor: 250 SF
Various Colors of Floor Tiles and Black Mastic	1978 Building – 1st Floor Locker Room Lobby	Floor Tile: 2% Chrysotile Mastic: 2% Chrysotile	1978 Building 1st Floor: 2,362 SF 2nd Floor: 740 SF 3rd Floor: 185 SF
Exterior Caulk	1905 Building – Exterior Northeast Entry 1961 Building – Exterior Vents and Wall Penetrations	1.9-2% Chrysotile	1905 Building: 40 LF 1961 Building: 100 LF
Built-Up Roof Layers	1961 Building – Roof Flashings 1978 Building – Roof Flashings	2-10% Chrysotile	1961 Building: 520 LF 1978 Building: 585 LF
Door Gasket	1905 Building – Basement Boiler Room Boiler 1	40% Chrysotile	2 Gaskets
2' x 2' Ceiling Tile – Pinholes and Slight Texture	1905 Building – 1st Floor Room 5 Southeast Corner	1.75% Amosite	2,800 SF
Various Colors of 12" x 12" Floor Tile and Black Mastic	1961 Building – East Gym Offices 1978 Building – West Locker Rooms; Hallways; Stairwells; 2nd Floor Hallways; West Gym Offices; 3rd Floor Hallways and Stairwell; Custodial Closet 1980 Building	Floor Tile: 2.8-12.2% Chrysotile Mastic: 1.1-3.5% Chrysotile	3,600 SF
Wall Paneling Caulk	1905 Building – 2nd Floor North Room; 2nd Floor Rooms 12 and 13	3.8-4.6% Chrysotile	1,800 SF
Roof Tar	1961 Building – Roof Parapet	2% Chrysotile	280 LF
Flashing Tar	1905 Building – Stairwell Roof	3% Chrysotile	75 LF
Parapet Tar	1905 Building – Roof Parapet	3.1% Chrysotile	320 LF

2.0 INTRODUCTION

A. Property Information

Location:

Former YMCA Building
480 South 3rd Street
Clinton, Iowa 52733

Contact Person:

Dawn Danielson	Tammy Johnson
ECIA	City of Clinton
7600 Commerce Park	611 South 3rd Street
Dubuque, Iowa 52002	Clinton, Iowa 52733

B. Personnel

Sr. Project Manager: Jon Reis	State of Iowa License	24-11227I
Inspector: Leon Johnson	State of Iowa License	24-11232I
Inspector: Kirstyn McElroy	State of Iowa License	24-11421I

C. Sampling Plan

According to the Client, the scope of this ACM Inspection includes the entire commercial building with the exception of Building B1. Previously completed reports inspected Building B1 and that information is included. A Building Identification Map is included in Appendix E.

This ACM Inspection is in accordance with OSHA Regulation 1926.1101. All samples collected in the field were sent to EMSL, an NVLAP certified laboratory, for analysis. The samples were analyzed via the polarized light microscopy (PLM) method for asbestos content. If requested by Client, samples were further analyzed via the transmission electron microscopy (TEM) method or PLM 400 Point Count analysis method.

D. Regulation Review

The U.S. EPA qualifies asbestos containing materials (ACM) as materials with an asbestos content greater than 1%. According to Iowa OSHA, ACM is any material found to contain asbestos, regardless of its concentration, and shall be regulated as hazardous waste. The following definitions are taken from Section 61.141 of Subpart M, Part 61 of Title 40: Protection of Environment of the Code of Federal Regulations (CFR).

- "Category I nonfriable asbestos-containing material (ACM)" is defined as asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy (PLM).
- "Category II nonfriable ACM" is defined as any material, excluding Category I nonfriable ACM, containing more than 1% asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that, when dry, ***cannot*** be crumbled, pulverized, or reduced to powder by hand pressure.
- "Friable asbestos material" is defined as any material containing more than 1%

asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, PLM that when dry, ***can*** be crumbled, pulverized, or reduced to powder by hand pressure. If the asbestos content is less than 10% as determined by a method other than point counting by PLM, verify the asbestos content by point counting using PLM.

3.0 PROPERTY DESCRIPTION

The Property consists of an approximate 27,000 basal square-foot structure constructed circa 1905 with additions circa 1961, 1978, and 1980. The structure is multi-story and includes basements and sub-levels.

4.0 INSPECTION LIMITATIONS

An Inspection limitation, for the purpose of this report, is any action or task that is limited from the original scope work. The overall reason for any limitation is the protection of Impact7G personnel. Examples of limitations can range from a lack of accessibility to an area of the Property, unsafe work areas, collecting additional samples, etc.

- The purpose of this ACM inspection was to confirm sampling of suspect materials throughout the building and verify quantities.
- Two portions of the building, the northwest 1905 building and a 1968 addition (Building B1) were not sampled as these areas are going to be demolished as Regulated Asbestos Containing Materials (RACM).

5.0 INSPECTION ACTIVITIES

Iowa certified asbestos inspectors from EMS collected 148 samples between February 18 and March 2, 2021 and Iowa certified asbestos inspectors from Terracon collected 226 samples between October 21, 2021 and January 14, 2022. Impact7G collected 33 samples between April 29 and May 17, 2024. The samples were collected from various accessible building components located throughout the building. Upon completion of bulk sampling activities, samples were sent to EMSL, an NVLAP certified laboratory, for analysis.

Materials that are “suspected” to contain asbestos are divided into the following three categories:

1. **Surfacing materials** are materials that are sprayed or troweled on for acoustical, decorative, or fireproofing purposes. Examples are textured ceilings or drywall, exterior stucco and structural steel fireproofing,

2. **Thermal System Insulation (TSI)** is insulation used to inhibit heat transfer from pipes, boilers, tanks, ducts, and various other components of hot and cold-water systems and HVAC systems. Examples are hard cementitious “mud” type insulation on pipes, boilers and flues; and,

3. **Miscellaneous** materials are mostly non-friable products and materials such as floor tile, drywall, ceiling tile and roofing felt.

The following tables show samples positively identified by the laboratory to be asbestos containing materials (ACM) and samples that were analyzed as non-ACM. The complete analytical results can be found in Appendix B.

Table 2a – Asbestos Containing Materials Sample List (EMS)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
480S3-01	Heat Exchanger Mag Insulation	TSI	Y	White	B	1961 Building – Pool Filter/Mechanical Room	5% Amosite 2% Chrysotile
480S3-02	Mudded Fitting	TSI	Y	Gray	B	1961 Building – Pool Filter/Mechanical Room	2% Chrysotile
480S3-03 - Insulation	Woolsfelt Pipe Insultation	TSI	Y	Gray	B	1961 Building – Pool Filter/Mechanical Room	2% Chrysotile
480S3-04	Mud on Breeching	TSI	Y	Gray/White	B	1905 Building – Boiler Room	10% Amosite
480S3-05	Mudded Fitting	TSI	Y	Gray	B	1905 Building – Boiler Room	3% Chrysotile
480S3-06 – Insulation	Woolsfelt Pipe Insultation	TSI	Y	Brown/Gray	B	1905 Building – Boiler Room	3% Chrysotile
480S3-07	Mudded Joint Fitting	TSI	Y	Gray	B	1905 Building – Near South Storage	3% Chrysotile
480S3-08 - Insulation	Woolsfelt Pipe Insultation	TSI	Y	Gray/Black	B	1905 Building – Stair Landing	2% Chrysotile
480S3-09	Mudded Joint Fitting	TSI	Y	Gray	1	1905 Building – Restroom Chase	<1% Amosite 2% Chrysotile
480S3-10 - Insulation	Woolsfelt Pipe Insultation	TSI	Y	Brown/Gray	1	1905 Building – Restroom Chase	2% Chrysotile
480S3-11	Mag Pipe Insulation	TSI	Y	White	B	1905 Building – Stair Landing	2% Chrysotile
480S3-12 - Floor Tile	9” x 9” Floor Tile	Misc	N	Brown	B	1905 Building – Southeast Room	3% Chrysotile
480S3-12-Mastic	9” x 9” Floor Tile Mastic	Misc	N	Black	B	1905 Building – Southeast Room	3% Chrysotile
480S3-13 - Floor Tile	9” x 9” Floor Tile	Misc	N	Red	B	1905 Building – Southeast Room	3% Chrysotile
480S3-13 - Mastic	9” x 9” Floor Tile Mastic	Misc	N	Black	B	1905 Building – Southeast Room	3% Chrysotile
480S3-14 - Floor Tile	9” x 9” Floor Tile	Misc	N	Tan	B	1905 Building – Southwest Main Area	2% Chrysotile
480S3-15	Cement Board Ceiling	Misc	N	Gray	B	1905 Building – Southwest Side Main Area	25% Chrysotile
480S3-16	Ceiling Tile	Misc	Y	Gray/White	B	1905 Building – Near South Storage	<1% Chrysotile

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
480S3-29	Air Handler - Vibration Cloth	TSI	Y	Gray	B	1905 Building – North Air Handler	50% Chrysotile
48053-40	Mudded Fitting	TSI	Y	Gray	Sub-Level	1961 Building – Shower Chase	2% Amosite 3% Chrysotile
48053-45 - Floor Tile	Floor Tile	Misc	N	Brown	1	1905 Building – Southeast Room	5% Chrysotile
48053-53 - Floor Tile	Floor Tile	Misc	N	Gray	1	1905 Building – Storeroom Behind Counter	2% Chrysotile
48053-57 - Floor Tile	Floor Tile	Misc	N	White	1	1978 Building – Locker Room Lobby	2% Chrysotile
48053-57 - Mastic	Floor Tile Mastic	Misc	N	Black	1	1978 Building – Locker Room Lobby	2% Chrysotile
48053-63	Caulk	Misc	N	Gray/White	Ext	1905 Building – Northeast Entry	2% Chrysotile
48053-69 - Linoleum	Linoleum	Misc	N	Gray/Black	2	1905 Building – Room 1	2% Chrysotile[&]
48053-70	Lineoleum	Misc	N	Black/Green	2	1905 Building – Room 2	2% Chrysotile[&]
48053-71	Lineoleum	Misc	N	Gray/Black	2	1905 Building – Room 3	2% Chrysotile[&]
48053-73 - Floor Tile	Floor Tile	Misc	N	White	2	1905 Building – Kitchen	3% Chrysotile
48053-75 - Floor Tile	Floor Tile	Misc	N	Brown	2	1905 Building – North Room	3% Chrysotile
48053-79 - Texture	Plaster	Surf	N	Tan	3	1905 Building – Room 13	<1% Chrysotile*
48053-88	Built Up Roof Layers	Misc	N	Black	R	1961 Building – Roof Flashings	3% Chrysotile
58053-90	Built Up Roof Layers	Misc	N	Black	R	1978 Building – Roof Flashings	10% Chrysotile
48053-92	Built Up Roof Layers	Misc	N	Black	R	1978 Building – Roof Flashings	2% Chrysotile
48053-94	Mudded Fitting	TSI	Y	Gray	B	1905 Building – Boiler Room T6	5% Chrysotile
48053-95	Door Gasket	Misc		Brown/Gray	B	1905 Building – Boiler Room – Boiler 1	40% Chrysotile
48053-97	Mudded Fittings	TSI	Y	Gray	B	1905 Building – Southeast Chase T6	5% Amosite 10% Chrysotile

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
48053-98	Mudded Fittings	TSI	Y	Gray	1	1905 Building – Restroom T6	2% Amosite 5% Chrysotile

[&]Analyzed via point count in Table 3b and not classified as RACM by the EPA
*Analyzed via point count in Table 3c and not classified as RACM by the EPA

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Est. Quantity** – SF=Square foot, LF=Linear foot, EA=Each
B=Basement, R=Roof, Mezz=Mezzanine, Ext=Exterior

Thirty-six (36) bulk material samples were analyzed greater than 1% asbestos. Two (2) of the remaining building material samples were detected with a concentration of <1% asbestos. ACMs include heat exchanger mag insulation, mudded fittings, woolsfelt pipe insulation, mud on breeching, 9" x 9" floor tiles 9" x 9" floor tile mastics, cement board ceiling, ceiling tile, air handler vibration cloth, floor tiles, floor tile mastics, exterior entry caulk, linoleums, built up roof layers, and boiler door gaskets. If during demolition or renovation activities additional areas of identified ACM are discovered, they should be abated accordingly. The EMS report and associated analytical reports are provided in Appendix F.

Asbestos Containing Material (ACM) is defined as any material containing greater than one percent (>1%) asbestos. Building materials containing equal to one percent (1%) or less than one percent (<1%) asbestos by **point count analysis** are not classified as Regulated Asbestos Containing Material (RACM) by the EPA. Although an asbestos abatement contractor is not required to remove materials containing 1% or less asbestos, these materials must be removed wet and promptly contained and disposed of in leak-tight containers. Materials containing 1% or less asbestos are not required to be disposed of at an approved landfill as asbestos waste material. Employers of those engaging in the disturbance of 1% or less asbestos are required to provide their workers with Asbestos Awareness training of at least two hours prior to disturbance of said materials. Further, those removing materials containing 1% or less asbestos must maintain documentation proving that breathing zone exposures do not exceed either OSHA's permissible exposure limit or short-term excursion limit.

It is important to note that these are estimated quantities; therefore, the abatement contractors and the client representative should discern between the estimated quantity above and future exploration of the property at the pre-bid walk-through to determine the final quantity during abatement procedures.

Table 2b – Asbestos Containing Materials Sample List (Terracon)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content	Est. Quantity
NC-CT3-01	2' x 2' Ceiling Tile – Pinholes and Slight Texture	Misc	Y	White	1	1905 Building Room 5 Southeast Corner	4% Amosite 1.75% Amosite PC	2,800 SF
NC-FT1-04 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	Beige	2	1905 Building South Restroom Southeast Corner (under sheet flooring and underlayment)	3% Chrysotile 1.6% Chrysotile PC	4,500 SF
NC-FT5-16	9" x 9" Vinyl Floor Tile	Misc	N	Light Tan	1	1905 Building West Side of Lobby (beneath carpet and underlayment)	5% Chrysotile 3.6% Chrysotile PC	1,200 SF
PC1-PI1-01 PC1-PI1-02 PC1-PI1-03 (Insulation)	Mag Pipe Insulation with Canvas Wrap	TSI	Y	White	B	1905 Building – Basement Room B-5 and B-9 Boiler Room	12.75% Chrysotile PC – Positive Stop	18 LF
PC2-MJ3-04 PC2-MJ3-05 PC2-MJ3-06	Mudded Joint with Canvas Wrap	TSI	Y	Tan	B; 1; Sub-Level	1905 Building – Basement Rooms B-1 through B-11; 1st Floor Rooms 3, 6, and Boy's Restroom Pipe chase 1961 Building – Women's and Girl's Locker Rooms; 2nd and 3rd between Floors and Walls to Restrooms	7.98% Chrysotile PC – Positive Stop	2,500 LF
PC3-MJ4-07 PC3-MJ4-08 PC3-MJ4-09 (Fitting)	Mudded Joint Fitting with Canvas Wrap (associated with fiberglass)	TSI	Y	Tan	B; 1; Sub-Level	1905 Building – Basement Rooms B-1 through B-11; 1st Floor Rooms 3, 6, and Boy's Restroom Pipe chase 1961 Building – Women's and Girl's Locker Rooms; 2nd and 3rd between Floors and Walls to Restrooms	12.50% Chrysotile PC – Positive Stop	
PC3-MJ4-07 PC3-MJ4-08 PC3-MJ4-09 (Wrap)	Mudded Joint Fitting Canvas Wrap (associated with fiberglass)	TSI	N	Tan/White			1.50% Chrysotile PC – Positive Stop	

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content	Est. Quantity
PC4-PI3-10 PC4-PI3-11 PC4-PI3-12	Layered Paper Pipe Insulation with Canvas Wrap	TSI	Y		B; 1; Sub-Level	1905 Building – Basement Rooms B-1 through B-11; 1st Floor Rooms 3, 6, and Boy's Restroom Pipe chase 1961 Building – Women's and Girl's Locker Rooms; 2nd and 3rd between Floors and Walls to Restrooms	8.00% Chrysotile PC – Positive Stop	Included in PC2 and PC3 quantity
PC5-FT1-13 PC5-FT1-14 PC5-FT1-15 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	Red	B; 1; 2	1905 Building – Basement Southeast Corner of B-1; 1st Floor Room 4; 2nd Floor Kitchen	5.6% Chrysotile PC – Positive Stop	500 SF
PC5-FT1-13 PC5-FT1-14 PC5-FT1-15 (Mastic)	9" x 9" Vinyl Floor Tile Mastic	Misc	N	Black			3.3% Chrysotile PC – Positive Stop	
PC6-FT1-16 PC6-FT1-17 PC6-FT1-18 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	Beige with Tan & Brown Spots	B; 1/2	1905 Building – Basement Room B-1 1961 Building – Sub-level Women's and Girl's Locker Rooms; 1st Hallways; and Stairwells to 2nd Floor	1.2% Chrysotile PC – Positive Stop	5,000 SF
PC7-FT1-19 PC7-FT1-20 PC7-FT1-21 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	Multiple Colors – Grey with White Specs	B; 1	1905 Building – Basement Stair Landing; 1st Floor Room 3; West Side Storage	1.7% Chrysotile PC – Positive Stop	150 SF
PC8-FT1-22 PC8-FT1-23 PC8-FT1-24 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	Beige with Brown & White Streaks	2; 3	1905 Building – 2nd Floor North, South, and East Hallways; 2nd Floor Restroom; 2nd Floor Rooms 7-9; 3rd Floor Common Room	2.8% Chrysotile PC – Positive Stop	1,500 SF
PC8-FT1-22 PC8-FT1-23 PC8-FT1-24 (Mastic)	9" x 9" Vinyl Floor Tile Mastic	Misc	N	Black			1.1% Chrysotile PC – Positive Stop	

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content	Est. Quantity
PC9-FT1-25 PC9-FT1-26 PC9-FT1-27 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	White with Brown Streaks	2	1905 Building – 2nd Floor Kitchen	5.2% Chrysotile PC – Positive Stop	350 SF
PC13-FC1-37 PC13-FC1-38 PC13-FC1-39 (Floor Tile)	12" x 12" Vinyl Floor Tile	Misc	N	White with Brown Streaks	1; 2; 3	1980 Building 1961 Building – East Gym Offices 1978 Building – West Locker Rooms; Hallways; Stairwells; 2nd Floor Hallways; West Gym Offices; 3rd Floor Hallways and Stairwell; Custodial Closet	3.4% Chrysotile PC – Positive Stop	3,600 SF
PC13-FC1-37 PC13-FC1-38 PC13-FC1-39 (Mastic)	12" x 12" Vinyl Floor Tile Mastic	Misc	N	Black			2.6% Chrysotile PC – Positive Stop	
PC14-FT1-40 PC14-FT1-41 PC14-FT1-42 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	Brown	B; 2	1905 Building – Basement Room B-1 Southeast Corner and Room B-2; 2nd Floor Kitchen	12.2% Chrysotile PC – Positive Stop	500 SF
PC14-FT1-40 PC14-FT1-41 PC14-FT1-42 (Mastic)	9" x 9" Vinyl Floor Tile Mastic	Misc	N	Black	B; 2		3.5% Chrysotile PC – Positive Stop	
PC15-FT1-43 PC15-FT1-44 PC15-FT1-45 (Floor Tile)	9" x 9" Vinyl Floor Tile	Misc	N	Beige with Streaks	B	1905 Building – Basement Room B-2	5.8% Chrysotile PC – Positive Stop	5,000 SF
1-CA3-01 1-CA3-02 1-CA3-03	Caulk – rough texture	Misc	N	Black	2	1905 Building – 2nd Floor North Room; 2nd Floor Rooms 12 and 13 Behind Wood Paneling	4% Chrysotile (3.8% Chrysotile PC) 4% Chrysotile (4.6% Chrysotile PC) 3% Chrysotile (4.3% Chrysotile PC)	1,800 SF
15-CA1-45	Caulk – weather, rough texture	Misc	N	Gray	B; 1; 2; 3	1961 Building – Exterior Vents and Wall Penetrations	5% Chrysotile (1.9% Chrysotile PC)	100 SF

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content	Est. Quantity
17-WP1-49 17-WP1-50 17-WP1-51	Vibration Cloth – woven canvas type material	TSI	Y	White	B; Mezz	1905 Building – Basement Mechanical Room 1961 Building – Pool Mechanical Room; Mezzanine Mechanical Room	20% Chrysotile 25% Chrysotile 35% Chrysotile	13 units
22-CP1-64 22-CP1-65 22-CP1-66	2' x 2' Cement Board – smooth and peg board style panels	Misc	N	Gray	B; Sub-Level	1905 Building – Basement Room B-4 and Room B-1 1961 Building – Large Pool Room Ceiling 1978 Building – Small Pool Room	18% Chrysotile 20% Chrysotile 25% Chrysotile	4,500 SF

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Location** – B=Basement, R=Roof, Mezz=Mezzanine, Ext=Exterior / **Asbestos Content** – PC=Point Count / **Est. Quantity** – SF=Square foot, LF=Linear foot, EA=Each

Thirty (30) bulk material samples were analyzed greater than 1% asbestos via PLM and point count analysis. For those samples the laboratory identified as containing less than or equal to 6% asbestos, they were further analyzed via point count analysis. Samples determined to contain less than 1% asbestos via point count were included in Table 3b (non-asbestos containing material sample list). ACMs include 2' x 2' ceiling tiles, 9" x 9" vinyl floor tiles, mag pipe insulation, mudded joints/fittings, mudded joint/fittings wrap, layered paper pipe insulation, 9" x 9" vinyl floor tile mastics, wood paneling caulk, exterior caulk, vibration cloth, and 2' x 2' cement board. If during demolition or renovation activities additional areas of identified ACM are discovered, they should be abated accordingly. The Terracon report and associated analytical reports are provided in Appendix G.

Asbestos Containing Material (ACM) is defined as any material containing greater than one percent (>1%) asbestos. Building materials containing equal to one percent (1%) or less than one percent (<1%) asbestos by **point count analysis** are not classified as Regulated Asbestos Containing Material (RACM) by the EPA. Although an asbestos abatement contractor is not required to remove materials containing 1% or less asbestos, these materials must be removed wet and promptly contained and disposed of in leak-tight containers. Materials containing 1% or less asbestos are not required to be disposed of at an approved landfill as asbestos waste material. Employers of those engaging in the disturbance of 1% or less asbestos are required to provide their workers with Asbestos Awareness training of at least two hours prior to disturbance of said materials. Further, those removing materials containing 1% or less asbestos must maintain documentation proving that breathing zone exposures do not exceed either OSHA's permissible exposure limit or short-term excursion limit.

It is important to note that these are estimated quantities; therefore, the abatement contractors and the client representative should discern between the estimated quantity above and future exploration of the property at the pre-bid walk-through to determine the final quantity during abatement procedures.

Table 2c – Asbestos Containing Materials Sample List (Impact7G)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content	Est. Quantity
480KMC-24	Roof Tar	Misc	N	Black	R	1961 Building – Roof Parapet	2% Chrysotile	280 LF
480KMC-25	Flashing Tar	Misc	N	Grey/Black	R	1905 Building – Stairwell Roof	3% Chrysotile	75 LF
480KML-28	Parapet Tar	Misc	N	Black	R	1905 Building – On Parapet	<1% Chrysotile 3.1% Chrysotile PC	320 LF

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Location** – B=Basement, R=Roof, Mezz=Mezzanine, Ext=Exterior / **Asbestos Content** – PC=Point Count / **Est. Quantity** – SF=Square foot, LF=Linear foot, EA=Each

Three (3) bulk material samples were analyzed greater than 1% asbestos. One (1) of the remaining building material samples (window glaze) was detected with a concentration of <1% asbestos and determined to contain <1% asbestos via point count analysis. ACMs include roof tar, flashing tar, and parapet tar. If during demolition or renovation activities additional areas of identified ACM are discovered, they should be abated accordingly. Laboratory analytical reports are provided in Appendix B.

Asbestos Containing Material (ACM) is defined as any material containing greater than one percent (>1%) asbestos. Building materials containing equal to one percent (1%) or less than one percent (<1%) asbestos by **point count analysis** are not classified as Regulated Asbestos Containing Material (RACM) by the EPA. Although an asbestos abatement contractor is not required to remove materials containing 1% or less asbestos, these materials must be removed wet and promptly contained and disposed of in leak-tight containers. Materials containing 1% or less asbestos are not required to be disposed of at an approved landfill as asbestos waste material. Employers of those engaging in the disturbance of 1% or less asbestos are required to provide their workers with Asbestos Awareness training of at least two hours prior to disturbance of said materials. Further, those removing materials containing 1% or less asbestos must maintain documentation proving that breathing zone exposures do not exceed either OSHA's permissible exposure limit or short-term excursion limit.

It is important to note that these are estimated quantities; therefore, the abatement contractors and the client representative should discern between the estimated quantity above and future exploration of the property at the pre-bid walk-through to determine the final quantity during abatement procedures.

Table 3a – Non-Asbestos Containing Material Sample List (EMS)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
480S3-03 - Paper	Woolsfelt Pipe Insultation Paper	TSI	Y	Black	B	1961 Building – Pool Filter/Mechanical Room	ND
480S3-06 - Paper	Woolsfelt Pipe Insultation Paper	TSI	Y	Black	B	1905 Building – Boiler Room	ND
480S3-08 - Wrap	Woolsfelt Pipe Insultation Wrap	TSI	Y	Tan	B	1905 Building – Stair Landing	ND
480S3-08 - Felt	Woolsfelt Pipe Insultation Felt	TSI	Y	Black	B	1905 Building – Stair Landing	ND
480S3-10 - Wrap	Woolsfelt Pipe Insultation Wrap	TSI	Y	Tan	1	1905 Building – Restroom Chase	ND
480S3-10 - Felt	Woolsfelt Pipe Insultation Felt	TSI	Y	Black	1	1905 Building – Restroom Chase	ND
480S3-10 - Felt	Woolsfelt Pipe Insultation Felt	TSI	Y	Black	1	1905 Building – Restroom Chase	ND
480S3-14 - Mastic	9” x 9” Floor Tile Mastic	Misc	N	Yellow/Clear	B	1905 Building – Southwest Main Area	ND
480S3-14 - Mastic	9” x 9” Floor Tile Mastic	Misc	N	Black	B	1905 Building – Southwest Main Area	ND
480S3-17	Ceiling Tile	Misc	Y	Gray/White	B	1905 Building – Near Coat Room	ND
480S3-18 - Drywall	**Drywall**, Mud + PC Texture	Misc	N	Brown/White	B	1905 Building – Southeast Room	ND
480S3-18 - Joint Compound	Drywall, **Mud** + PC Texture	Misc	N	White	B	1905 Building – Southeast Room	ND
480S3-18 - Texture	Drywall, Mud + **PC Texture**	Surf	N	White	B	1905 Building – Southeast Room	ND
480S3-19 - Finish Coat	Plaster	Surf	N	Tan	B	1905 Building – Restroom	ND
480S3-19 - Base Coat	Plaster	Surf	N	Gray	B	1905 Building – Restroom	ND
480S3-20 - Linoleum	Linoleum	Misc	N	Tan/White	B	1905 Building – Restroom	ND
480S3-20 - Mastic	Linoleum	Misc	N	Tan/Yellow	B	1905 Building – Restroom	ND
480S3-21	Drywall, Mud + PC Texture	Misc	N	White	B	1905 Building – Weight Room	ND
480S3-22 - Drywall	Popcorn Ceiling Texture - Drywall	Surf	N	Brown/White	B	1905 Building – Elevator Lobby	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
480S3-22 - Joint Compound	Popcorn Ceiling Texture – Joint Compound	Surf	N	White	B	1905 Building – Elevator Lobby	ND
480S3-22 - Texture	Popcorn Ceiling Texture	Surf	N	White	B	1905 Building – Elevator Lobby	ND
480S3-23	Ceiling Tile	Misc	Y	White	B	1905 Building – Elevator Lobby	ND
480S3-24 - Ceramic Tile	**Cermic Wall Tile**, Grout + Adhesive	Misc	N	White	B	1905 Building – Former Restroom	ND
480S3-24 - Grout	Cermic Wall Tile, **Grout** + Adhesive	Misc	N	Beige	B	1905 Building – Former Restroom	ND
480S3-24 - Adhesive	Cermic Wall Tile, Grout + **Adhesive**	Misc	N	Gray	B	1905 Building – Former Restroom	ND
480S3-24 - Bedding	Cermic Wall Tile, Grout + Adhesive - Bedding	Misc	N	Gray	B	1905 Building – Former Restroom	ND
480S3-25	Vinyl Stair Tread	Misc	N	Tan	B	1905 Building – Stairs	ND
480S3-26	Popcorn Ceiling Texture	Surf	N	White	B	1905 Building – North Room	ND
480S3-27	Popcorn Ceiling Texture	Surf	N	White	B	1905 Building – North Room	ND
480S3-28	Popcorn Ceiling Texture	Surf	N	White	B	1905 Building – North Room	ND
480S3-30 - Ceramic Tile	**Quarry Tile**, Grout + Adhesive	Misc	N	Gray/White	B	1905 Building – Former Restroom	ND
480S3-30 - Grout	Quarry Tile, **Grout** + Adhesive	Misc	N	Gray	B	1905 Building – Former Restroom	ND
480S3-30 - Adhesive	Quarry Tile, Grout + **Adhesive**	Misc	N	Gray	B	1905 Building – Former Restroom	ND
48053-31	Ceiling Tile	Misc	Y	Gray/White	3	1978 Building – Entry to Running Track	ND
48053-32 - Linoleum	Linoleum	Misc	N	Tan	B	1961 Building – Locker Room (Central)	ND
48053-32 - Mastic	Linoleum Mastic	Misc	N	Black	B	1961 Building – Locker Room (Central)	ND
48053-33 - Floor Tile	Floor Tile	Misc	N	Beige	B	1961 Building – South Locker Room	ND
48053-33 - Mastic	Floor Tile Mastic	Misc	N	Tan/Black	B	1961 Building – South Locker Room	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
48053-34 - Floor Tile	Floor Tile	Misc	N	Green	B	1961 Building – South Locker Room	ND
48053-34 - Mastic	Floor Tile Mastic	Misc	N	Black/Yellow	B	1961 Building – South Locker Room	ND
48053-35 - Floor Tile	Floor Tile	Misc	N	Green	B	1961 Building – South Locker Room	ND
48053-35 - Mastic	Floor Tile Mastic	Misc	N	Tan/Black	B	1961 Building – South Locker Room	ND
48053-35 - Mastic	Floor Tile Mastic	Misc	N	Tan/Black	B	1961 Building – South Locker Room	ND
48053-36	Ceiling Tile	Misc	Y	Gray/White	B	1961 Building – Stairs to North Locker Room	ND
48053-37	Ceiling Tile	Misc	Y	Gray/White	B	1961 Building – North Locker Room	ND
48053-38	Ceiling Tile	Misc	Y	Gray/White	B	1961 Building – Central Locker Room	ND
48053-39	Ceiling Tile	Misc	Y	Gray/White	B	1961 Building – Central Locker Room	ND
48053-41 - Ceramic Tile	**Quarry Tile** - Grout and Adhesive	Misc	N	Gray	Sub-Level	1961 Building – Shower Threshold	ND
48053-41 - Grout	Quarry Tile - **Grout** and Adhesive	Misc	N	White	Sub-Level	1961 Building – Shower Threshold	ND
48053-41 - Adhesive	Quarry Tile - Grout and **Adhesive**	Misc	N	Gray	Sub-Level	1961 Building – Shower Threshold	ND
48053-42	Ceiling Tile	Misc	Y	Gray/White	1	1905 Building – Southeast Room	ND
48053-43	Drywall Mud	Misc	N	White	1	1905 Building – Lobby Area at Southeast Room	ND
48053-44	Plaster	Surf	N	Gray	1	1905 Building – South Lobby	ND
48053-45 - Mastic	Floor Tile Mastic	Misc	N	Black	1	1905 Building – Southeast Room	ND
48053-46	Lineoleum	Misc	N	Brown/Black	1	1905 Building – Southeast Room	ND
48053-47 - Floor Tile	Floor Tile	Misc	N	Gray	1/2	1905 Building – East Stairs	ND
48053-47 - Mastic	Floor Tile Mastic	Misc	N	Tan	1/2	1905 Building – East Stairs	ND
48053-48 - Floor Tile	Floor Tile	Misc	N	White	1/2	1905 Building – East Stairs	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
48053-48 - Mastic	Floor Tile Mastic	Misc	N	Yellow	1/2	1905 Building – East Stairs	ND
48053-49 - Floor Tile	Floor Tile	Misc	N	Pink	1/2	1905 Building – East Stairs	ND
48053-49 - Mastic	Floor Tile Mastic	Misc	N	White	1/2	1905 Building – East Stairs	ND
48053-50 - Drywall	**Drywall** with Panel Adhesive	Misc	N	Brown/White	1/2	1905 Building – East Stairs	ND
48053-50 - Adhesive	Drywall with **Panel Adhesive**	Misc	N	Gray	1/2	1905 Building – East Stairs	ND
48053-51 - Floor Tile	Floor Tile	Misc	N	Beige	1	1905 Building – North Lobby Area	ND
48053-51 - Mastic	Floor Tile Mastic	Misc	N	Yellow	1	1905 Building – North Lobby Area	ND
48053-52 - Floor Tile	Floor Tile	Misc	N	Blue	1	1905 Building – North Lobby Area	ND
48053-52 - Mastic	Floor Tile Mastic	Misc	N	Yellow	1	1905 Building – North Lobby Area	ND
48053-53 - Mastic	Floor Tile Mastic	Misc	N	Black	1	1905 Building – Storeroom Behind Counter	ND
48053-54	Sprayed On Linoleum	Misc	N	Red	1	1905 Building – Old Kitchen	ND
48053-55	Ceiling Tile	Misc	Y	Gray/White	1	1905 Building – North Room	ND
48053-56	Ceiling Tile	Misc	Y	Gray/White	1	1905 Building – Room North of Old Kitchen	ND
48053-58	Linoleum	Misc	N	Gray	1	1978 Building – Southwest Room Under Carpet	ND
48053-59	Ceiling Tile	Misc	Y	Gray/White	1	1978 Building – Southwest Room	ND
48053-60 - Ceramic Tile	Quarry Tile	Misc	N	Gray	Sub-Level	1978 Building – Pool Area	ND
48053-60 - Mortar	Quarry Tile Mortar	Misc	N	Gray	Sub-Level	1978 Building – Pool Area	ND
48053-61	Felt Layers	Misc	N	Black	2	1978 Building – Gym on Concrete	ND
48053-62 - Linoleum	Linoleum	Misc	N	Tan/White	3	1978 Building – Running Track	ND
48053-62 - Mastic	Linoleum Mastic	Misc	N	White	3	1978 Building – Running Track	ND
48053-64	Caulk	Misc	N	Gray	B	1905 Building – East Window	ND
48053-65 - Floor Tile	Floor Tile	Misc	N	Tan	2	1905 Building – Stairs East	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
48053-65 - Mastic	Floor Tile Mastic	Misc	N	Yellow	2	1905 Building – Stairs East	ND
48053-66	Drywall Mud	Misc	N	White	2	1905 Building – Storage Room	ND
48053-67 - Linoleum	Lineoleum	Misc	N	Tan/Black	2	1905 Building – Restroom South	ND
48053-67 - Backing	Lineoleum Backing	Misc	N	Brown	2	1905 Building – Restroom South	ND
48053-68 - Finish Coat	Plaster Finish Coat	Surf	N	White	2	1905 Building – Restroom South	ND
48053-68 - Base Coat	Plaster Base Coat	Surf	N	Gray	2	1905 Building – Restroom South	ND
48053-69 - Backing	Lineoleum Backing	Misc	N	Gray/Black	2	1905 Building – Room 1	ND
48053-72	Ceiling Tile	Misc	Y	Brown/White	2	1905 Building – North Hall	ND
48053-73 - Mastic	Floor Tile Mastic	Misc	N	Black	2	1905 Building – Kitchen	ND
48053-74 - Floor Tile	Floor Tile	Misc	N	Gray	2	1905 Building – North Restroom	ND
48053-74 - Mastic	Floor Tile Mastic	Misc	N	Clear	2	1905 Building – North Restroom	ND
48053-75 - Mastic	Floor Tile Mastic	Misc	N	Black	2	1905 Building – North Room	ND
48053-76	Ceiling Tile	Misc	Y	Brown/White	2	1905 Building – North Room	ND
48053-77	Drywall Mud	Misc	N	White	3	1905 Building – Room 16	ND
48053-78	Ceiling Tile	Misc	Y	Brown/White	3	1905 Building – Room 18	ND
48053-79 - Plaster	Plaster	Surf	N	Gray	3	1905 Building – Room 13	ND
48053-80	Ceiling Tile	Misc	Y	Brown/White	3	1905 Building – Restroom	ND
48053-81 - Tile	**Quarry Tile** – Grout + Adhesive	Misc	N	Gray	3	1905 Building – Restroom	ND
48053-81 - Grout	Quarry Tile – **Grout** + Adhesive	Misc	N	Gray	3	1905 Building – Restroom	ND
48053-81 - Adhesive	Quarry Tile – Grout + **Adhesive**	Misc	N	Tan	3	1905 Building – Restroom	ND
48053-82	Caulk	Misc	N	Gray	1	Tilt Up Concrete Joints	ND
48053-83	Tar	Misc	N	Black	1	Base of Tilt Up Concrete	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
48053-84	Caulk	Misc	N	Gray	Ext	Brick Joints	ND
48053-85	Aluminum Window Glazing	Misc	N	Gray	B	1905 Building – Boiler Room	ND
48053-86	Open Window Aggregate Panels	Misc	N	Gray	2	1905 Building – Window	ND
48053-87	Built Up Roof Layers	Misc	N	Black	R	1961 Building – Roof Field	ND
48053-89	Built Up Roof Layers	Misc	N	Black/Yellow	R	1978 Building – Roof Field	ND
48053-91	Buildt Up Roof Layers	Misc	N	Black	R	1978 Building – Lower Roof Field	ND
48053-93	Tar	Misc	N	Black	R	1978 Building – Lower Roof New Flashings	ND
48053-96	Refractory Cement	Misc	N	Tan	B	1905 Building – Boiler Room Boiler Door	ND

*Samples analyzed via point count in Table 3c and not classified as RACM by the EPA

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Location** – B=Basement, R=Roof, Mezz=Mezzanine, Ext=Exterior / **Asbestos Content** – PC=Point Count, ND=None Detected / **Est. Quantity** – SF=Square foot, LF=Linear foot, EA=Each

Table 3b – Non-Asbestos Containing Material Sample List (Terracon)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
PC1-PI1-02 PC1-PI1-03 (Wrap)	Mag Pipe Insulation Canvas Wrap	TSI	N	White	B	1905 Building – Basement Room B-5 and B-9 Boiler Room	ND
PC5-FT1-15 – Tar Paper	9” x 9” Vinyl Floor Tile Tar Paper	Misc	N	Black	2	1905 Building Room 2nd Floor Kitchen near Entrance	<0.25% Chrysotile PC*
PC6-FT1-16 PC6-FT1-17 PC6-FT1-18 (Mastic 1)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Black	B; 1/2	1905 Building – Room B-1 1961 Building – Sub-Level Women’s and Girl’s Locker Rooms; 1st Hallways; and Stairwells to 2nd Floor	<0.25% Chrysotile PC*
PC6-FT1-17 (Mastic 1)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Black	1	1961 Building – 1st Floor Southeast Room Near Entrance	Insufficient Material
PC6-FT1-17 (Mastic 2)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Black	1	1961 Building – 1st Floor Southeast Room Near Entrance	<0.25% Chrysotile PC*
PC7-FT1-19 PC7-FT1-20 PC7-FT1-21 (Mastic)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Black	B; 1	1905 Building – Basement Stair Landing; 1st Floor Room 3; West Side Storage	<0.25% Chrysotile PC*
PC9-FT1-25 PC9-FT1-27 (Mastic)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Black	2	1905 Building – 2nd Floor Kitchen	<0.25% Chrysotile PC*
PC9-FT1-26 (Mastic)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Black	2	1905 Building – 2nd Floor Kitchen	Insufficient Material
PC10-FC1-28 PC10-FC1-29 PC10-FC1-30	Sheet Flooring	Misc	N	Tan	2/3	1905 Building Apartment Units (2nd Floor Room 1; 3rd Floor Room 8; 3rd Floor Room 11 – under carpet and sub-floor)	<0.25% Chrysotile PC*
PC11-FC1-31 PC11-FC1-32 PC11-FC1-33	Sheet Flooring	Misc	N	Green	2/3	1905 Building Apartment Units (2nd Floor Room 2; 3rd Floor Room 20; 3rd Floor Room 23 – under carpet and sub-floor)	<0.25% Chrysotile PC* 0.4% Chrysotile PC* 0.5% Chrysotile PC*

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
PC12-FC1-34 PC12-FC1-35 PC12-FC1-36	Sheet Flooring	Misc	N	Grey	2/3	1905 Building Apartment Units (2nd Floor Room 3; 3rd Floor Room 9; 3rd Floor Room 19 – under carpet and sub-floor)	0.8% Chrysotile PC* 0.9% Chrysotile PC* 0.3% Chrysotile PC*
PC15-FT1-43 PC15-FT1-44 PC15-FT1-45 (Mastic)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Black	B	1905 Building – Basement Room B-2	0.3% Chrysotile PC* <0.25% Chrysotile PC* 0.8% Chrysotile PC*
PC15-FT1-43 PC15-FT1-44 PC15-FT1-45 (Mastic)	9” x 9” Vinyl Floor Tile Mastic	Misc	N	Yellow			<0.25% Chrysotile PC*
NC-CT1-02	1’ x 1’ Ceiling Tile – smooth texture	Misc	Y	Green with Brown Fiber	2	1905 Building – 2nd Floor Laundry Room	ND
NC-CT4-03	2’ x 4’ Ceiling Tile – textured	Misc	Y	White	1; 2; 3	1905 Building – 1st Floor Rooms 1, 4, 5 (multipurpose), 1F, Elevator Room, Men’s and Women’s Locker Rooms; 2nd Floor Apartments; 3rd Floor Apartments	ND
NC-FT1-04 (Mastic)	9” x 9” Floor Tile Mastic	Misc	N	Black	2	1905 Building – 2nd Floor South Restroom	ND
NC-FC1-05	Vinyl Floor Sheeting	Misc	N	Tan with Black and Gray Specks	2	1905 Building – 2nd Floor South Restroom	ND
NC-PL1-06 (Plaster Skim Coat)	Plaster Skim Coat – slight texture	Surf	N	Tan	1; 2; 3	1905 Building – 1st Floor Room 4; 2nd Floor Hallways and Apartments; 3rd Floor Hallways and Apartments	ND
NC-PL1-06 (Drywall)	Drywall – slight texture	Misc	N	Tan			ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
NC-MS5-07 (Ceramic)	1" x 1" Ceramic Tile	Misc	N	Gray	3; Sub-Level	1905 Building – 3rd Floor North Restroom 1978 Building – Men's Locker Room	ND
NC-MS5-07 (Grout)	1" x 1" Ceramic Tile Grout	Misc	N	Light Gray			ND
NC-MS5-07 (Adhesive)	1" x 1" Ceramic Tile Adhesive	Misc	N	Tan			ND
NC-WB1-08 (Drywall)	Drywall – slight texture	Misc	N	White	B; 1; 3	1905 Building – Basement Room 8 and Elevator Mechanical Room; 1st Floor Room 4; 3rd Floor Apartments	ND
NC-WB1-08 (Joint Compound)	Drywall Joint Compound – slight texture	Misc	N	White			ND
NC-WB3-09	Drywall Compound – slight texture	Misc	N	White	2; 3	1905 Building – 2nd and 3rd Floor Storage Closets	ND
NC-FC1-10 (Vinyl Sheet Flooring)	Vinyl Sheet Flooring – smooth texture	Misc	N	Tan	3	1978 Building – 3rd Floor Running Track	ND
NC-FC1-10 (Mastic)	Vinyl Sheet Flooring Mastic – smooth texture	Misc	N	Clear			ND
NC-FC5-11	Felt Paper Underlayment – smooth texture	Misc	N	Black	2	1961 Building – 2nd Floor Gymnasium	ND
NC-MS5-12 (Ceramic Tile)	1' x 1' Ceramic Tile	Misc	N	Beige	1	1961 Building – Large Pool Area	ND
NC-MS5-12 (Grout)	1' x 1' Ceramic Tile Grout	Misc	N	Gray			ND
NC-HP2-13	Plaster – hard finish on wood lath (painted blue)	Surf	N	White	1	1905 Building – 1st Floor East and South Entrances	ND
NC-FT2-14 (Floor Tile)	12" x 12" Vinyl Floor Tile – smooth	Misc	N	White	1	1905 Building – 1st Floor Main Lobby	ND
NC-FT2-14 (Mastic)	12" x 12" Vinyl Floor Tile Mastic – smooth	Misc	N	Tan			ND
NC-CA5-15	Caulk (panel adhesive – rough texture	Misc	N	Beige	1	1905 Building – 1st Floor Stairwells Behind Masonite Wall Boards	ND
NC-FT5-16 (Mastic)	9" x 9" Vinyl Floor Tile Mastic	Misc	N	Tan	1	1905 Building West Side of Lobby beneath carpet and underlayment	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
NC-FC1-17 (Sheet Flooring)	Sheet Flooring	Misc	N	Red with Black and Tan Specks	1	1905 Building – 1st Floor Room 6 Kitchen Area	ND
NC-FC1-17 (Mastic)	Sheet Flooring Mastic	Misc	N	Tan			ND
NC-CT5-18	2' x 2' Ceiling Tile – white faced fiberglass panels	Misc	Y	White	1	1905 Building – 1st Floor Room 6 Kitchen Area	ND
NC-CT4-19	2' x 4' Ceiling Tile – slightly textured	Misc	Y	White	1	1905 Building – 1st Floor East and South Entrances	ND
NC-FC1-20 (Sheet Flooring)	Vinyl Sheet Flooring	Misc	N	Tan	B	1961 Building Basement – Women's Locker Room	ND
NC-FC1-20 (Mastic)	Vinyl Sheet Flooring Mastic	Misc	N	Tan			ND
NC-FC4-21 (Stair Treads)	Vinyl Stair Treads	Misc	N	Tan with Diamond Pattern	B	1961 Building Basement – West Stairs to Women's Locker room	ND
NC-FC4-21 (Mastic)	Vinyl Stair Tread Mastic	Misc	N	Tan			ND
NC-CT5-22	2' x 4' Ceiling Tile – ½" fibrous with tan face	Misc	N	Tan	B	1905 Building – Basement Storage Room / Crawl Space	ND
NC-WB4-23	Spray-on Popcorn Coating – rough texture	Surf	N	White	B; 1	1905 Building – 1st Floor 1F Elevator Room; Basement Room B-2	ND
NC-CA3-24	Caulk – smooth texture	Misc	N	Gray	Sub-Level	1961 Building – Girl's Locker Room, South Hallway, East Windows of the Large Pool Room	ND
NC-CA3-25	Caulk – brittle, rough texture	Misc	N	White	3	1978 Building – 3rd Floor Running Track	ND
2-MG6-04 2-MG6-05 2-MG6-06	Glue Pucks – smooth (associated with 1' x 1' ceiling tile)	Misc	N	Light Brown	1/2	1905 Building – East stairwell in ceiling	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
3-FC3-07 3-FC3-08 3-FC3-09 (Cove Base)	Cove Base	Misc	N	Gray	1; 2	1905 Building – 1st Floor Rooms 1, 2, 4, 5; 2nd Floor Rooms 7-9 and North, South, and East Hallways, Apartment Units 1980 Building	ND
3-FC3-07 3-FC3-09 (Glue)	Cove Base Glue	Misc	N	Yellow			ND
3-FC3-08 (Glue)	Cove Base Glue	Misc	N	Yellow			<1% Chrysotile (<0.25% Chrysotile PC)*
4-MA1-10 4-MA1-11 4-MA1-12 (Brick)	2” x 8” Brick	Misc	N	Tan	B; 1; 2; 3; Ext	1905 Building – Perimeter and Interior Walls in the Basement, 1st, 2nd, and 3rd Floors 1961 Building – Room 9 and 10	ND
4-MA1-10 4-MA1-11 4-MA1-12 (Mortar)	2” x 8” Brick Mortar	Misc	N	Gray			ND
5-CA2-13 5-CA2-14 5-CA2-15	Caulk – rough exterior, smooth inner material	Misc	N	Gray	1	1905 Building – 1st Floor Interior Door Frames 1961 Building – Main Front Hallway and Locker Room Windows 1978 Building – 1st Floor Windows and Door Frames	ND
6-MA1-16 6-MA1-17 6-MA1-18 (Brick)	2” x 8” Ceramic-Face Brick – smooth texture	Misc	N	Aqua Green and Black	1	1961 Building – South Hallway to the 1978 Building	ND
6-MA1-16 6-MA1-17 6-MA1-18 (Mortar)	2” x 8” Brick Mortar	Misc	N	Gray/Black/Tan			ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
7-FP1-19 7-FP1-20 7-FP1-21 7-FP1-82 7-FP1-83 7-FP1-84	Spray-On Fireproofing – thick popcorn texture	Surf	Y	White	B	1905 Building – Basement Room B-6 and North End of Building (north room, west corner by heater; north room center, by electrical junction box; north room by the entrance, east side of door; Room B-6 east wall by Mech. Room, by 2nd steel column; Room B-6, east wall, NE corner by end of duct work; Room B-6, south wall, SW corner of B-6 by speaker	ND
8-PI4-22 8-PI4-23 8-PI4-24 (Insulation)	Fiberglass Pipe Insulation	Misc	Y	Yellow	B; 1; 2/3	1905 Building – Basement Rooms B-1 through B-11; 1st Floor Rooms 3, 6, and Boy's Restroom Pipe chase 1961 Building – Women's and Girl's Locker Rooms; 2nd and 3rd between Floors and Walls to Restrooms	ND
8-PI4-22 8-PI4-23 8-PI4-24 (Mastic)	Fiberglass Pipe Insulation Mastic	Misc	N	White			ND
9-MA2-25 9-MA2-26 9-MA2-27 (CMU Block)	8" x 16" Concrete Masonry Unit Block	Misc	N	Gray	B; Sub-Level; 1; 2; 3	1905 Building – Basement Interior Walls 1961 Building – Sub-Level Locker Rooms; Mezzanine Mechanical Room; Interior and Exterior Walls 1978 Building – 1st, 2nd, and 3rd Floor Interior Perimeter Walls, Locker Rooms, Hallways, and Stairwells	ND
9-MA2-25 9-MA2-26 9-MA2-27 (Mortar)	8" x 16" Concrete Masonry Unit Block Mortar	Misc	N	Light Gray			ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
10-WP6-28 10-WP6-29 10-WP6-30 (Sheath)	Electrical Wiring Sheath – single-strand, woven sheath run through ceramic insulators	TSI	N	Black	B; 1; 2; 3	1905 Building – Basement, 1st, 2nd, and 3rd Floors – concealed in Walls, Chases, Floors, and Rafters	ND
10-WP6-28 10-WP6-29 10-WP6-30 (Insulator)	Electrical Wiring Sheath Insulator – single-strand, woven sheath run through ceramic insulators	TSI	N	White/Black			ND
11-SP6-31 11-WP6-32 11-WP6-33 (Sheath)	Electrical Wiring Sheath – double-strand, woven sheath	TSI	N	Black	B; 1; 2; 3	1905 Building – Basement, 1st, 2nd, and 3rd Floors – concealed in Walls, Chases, Floors, and Rafters	ND
11-SP6-31 11-WP6-32 11-WP6-33 (Insulator 1))	Electrical Wiring Sheath Insulator – double-strand, woven sheath	TSI	N	Black			ND
11-SP6-31 11-WP6-32 11-WP6-33 (Insulator 2))	Electrical Wiring Sheath Insulator – double-strand, woven sheath	TSI	N	White			ND
11-SP6-31 11-WP6-32 11-WP6-33 (Insulator 2))	Electrical Wiring Sheath Insulator – double-strand, woven sheath	TSI	N	Brown			ND
12-MG7-34 12-MG7-35 12-MG7-36	Carpet Adhesive – rough texture, sticky	Misc	N	Yellow	B; Sub-Level; 1; 2; 3	1905 Building – Basement, 1st, 2nd, and 3rd Floors 1961 Building – Sub-Level Locker Rooms, 2nd Floor Offices 1978 Building – Locker Rooms and Offices	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
13-MA2-37 13-MA2-38 13-MA2-39 (Block)	6" x 12" Concrete Masonry Unit Block – glaze-faced block	Misc	N	Tan	Sub-Level; 2	1961 Building – Sub-Level Locker Women's and Girl's Rooms, Offices, Large Pool Room, 2nd Floor Gym 1978 Building Locker Women's and Girl's Rooms, Offices, Small Pool Room	ND
13-MA2-37 13-MA2-38 13-MA2-39 (Mortar)	6" x 12" Concrete Masonry Unit Block Mortar – glaze-faced block	Misc	N	Light Gray			ND
14-FC3-40 14-FC3-41 14-FC3-42 (Cove Base)	Cove Base	Misc	N	Black	Sub-Level; 1	1961 Building – Sub-Level Locker Rooms, Hallways, and Stairwells 1978 Building Main Lobby and West Hallway	ND
14-FC3-40 14-FC3-41 14-FC3-42 (Mastic)	Cove Base Mastic	Misc	N	Brown & Yellow			ND
15-CA1-43	Caulk – weather, rough texture	Misc	N	Gray	B; 1; 2; 3	1905 Building – Basement, 1st, 2nd, and 3rd Floor Exterior Window Frames	6% Chrysotile (<0.25% Chrysotile PC)*
15-CA1-44	Caulk – weather, rough texture	Misc	N	Gray	B; 1; 2; 3	1905 Building – Basement, 1st, 2nd, and 3rd Floor Exterior Window Frames	ND
16-RF6-46 16-RF6-47 16-RF6-48 (Tar Paper)	Built-Up Roof – Tar Paper	Misc	N	Black	R	1905, 1961, and 1978 Building Roofs	ND
16-RF6-46 16-RF6-47 16-RF6-48 (Foam)	Built-Up Roof – Foam (Layer 2)	Misc	N	Yellow (48 – White)			ND
16-RF6-46 16-RF6-47 16-RF6-48 (Insulation)	Built-Up Roof – Insulation (Layer 3)	Misc	N	Black (47 & 48 - Brown)			ND
16-RF6-46 (Rubber Membrane)	Built-Up Roof – Rubber Membrane (Layer 4)	Misc	N	Black	R	1905 Building Roof	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
16-RF6-48 (Gypsum)	Built-Up Roof – Gypsum (Layer 4)	Misc	N	White	R	1961 Building Roof	ND
16-RF6-48 (Backing)	Built-Up Roof – Backing (Layer 5)	Misc	N	White			ND
18-MA5-52 18-MA5-53 18-MA5-54 (Tile)	3' x 5' Marble Tile Slabs	Misc	N	White	1	1905 Building – 1st Floor South Entryway and East Entryway	ND
18-MA5-52 18-MA5-53 18-MA5-54 (Thin Set)	3' x 5' Marble Tile Slabs Thin Set	Misc	N	Gray			ND
19-MA5-55 19-MA5-56 19-MA5-57 (Ceramic Block)	5" x 12" Ceramic Block	Misc	N	Off-White with Brown Specks	Sub-Level	1905 Building – Sub-Level Women's and Young Girl's Locker Rooms	ND
19-MA5-55 19-MA5-56 19-MA5-57 (Grout)	5" x 12" Ceramic Block Grout	Misc	N	Gray			ND
20-MA5-58 20-MA5-59 20-MA5-60 (Ceramic Block)	5" x 12" Ceramic Block	Misc	N	Tan	Sub-Level; 2	1961 Building – Sub-Level Locker Women's and Girl's Rooms, Offices, Large Pool Room, 2nd Floor Gym 1978 Building – Locker Women's and Girl's Rooms, Offices, Small Pool Room	ND
20-MA5-58 20-MA5-59 20-MA5-60 (Grout)	5" x 12" Ceramic Block Grout	Misc	N	Gray			ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
21-MA3-61 21-MA3-62 21-MA3-63 (Tile)	5" x 12" Quarry Tile	Misc	N	Dark Brown	Sub-Level	1978 Building – Men's Shower Room and West Side Entrance	ND
21-MA3-61 21-MA3-62 21-MA3-63 (Thin Set)	5" x 12" Quarry Tile Thin Set	Misc	N	Tan			ND
21-MA3-61 21-MA3-62 21-MA3-63 (Grout)	5" x 12" Quarry Tile Grout	Misc	N	Gray			ND
23-WP1-67 23-WP1-68 23-WP1-69	Vibration Cloth – woven canvas type material	TSI	N	Green	3	1978 Building – 3rd Floor Mechanical room	ND
24-MA5-70 24-MA5-71 24-MA5-72 (Marble Tile)	Marble Tile – round tile	Misc	N	White	B; 1	1905 Building – Basement Elevator Room and 1st Floor Lobby Room 1	ND
24-MA5-70 24-MA5-71 24-MA5-72 (Grout)	Marble Tile Grout – round tile	Misc	N	Black			ND
25-MA5-73 25-MA5-74 25-MA5-75 (Skim Coat)	Concrete Skim Coat – rough texture	Surf	N	Gray	Ext	1905 Building – Exterior Foundation	ND Layer Not Present# ND
25-MA5-73 25-MA5-74 25-MA5-75 (Texture)	Concrete Skim Coat Texture – rough texture	Surf	N	Gray			ND
26-SC2-76 26-SC2-77 26-SC2-78	Tar Sealant – smooth texture	Misc	N	Black	Ext	1978 Building – Exterior Walls	ND

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
27-WP1-79 27-WP1-80 27-WP1-81	Vibration Cloth – woven canvas type material	TSI	N	Red	Mezz	1961 Building – Mezzanine Mechanical Room	ND

*Analyzed via point count and not classified as RACM by the EPA
#Sample collected during later sampling and included in Table 3c

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Location** – B=Basement, R=Roof, Mezz=Mezzanine, Ext=Exterior / **Asbestos Content** – PC=Point Count, ND=None Detected / **Est. Quantity** – SF=Square foot, LF=Linear foot, EA=Each

Table 3c – Non-Asbestos Containing Material Sample List (Impact7G)

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
480KMC-01	Cove Base	Misc	N	Grey	1	1905 Building – South Entry Stairs	ND
480KMC-02	Cove Base Adhesive	Misc	N	Tan	1	1905 Building – South Entry Stairs	ND
480KMC-03	Protrusion Tar	Misc	N	Grey	Ext	1905 Building – South Vent	ND
480KMC-04	Door Caulk	Misc	N	Off-White	Ext	1905 Building – South Elevator Exit Door	ND
480KMC-05	Wall Expansion Caulk	Misc	N	Grey	Ext	1978 Building – All Sides	ND
480KMC-06	Foundation Tar	Misc	N	Black	Ext	1978 Building – All Sides at Base of Exterior	ND
480KMC-07	Expansion Caulk	Misc	N	Tan	Ext	1978 Building – North Side	ND
480KMC-08	Door Caulk	Misc	N	Tan	Ext	1978 Building – Northwest Door	ND
480KMC-09	Roof Tar	Misc	N	Black	R	1905 Building – North Side Roof Edging	ND
480KMC-10	Union Grout	Misc	N	Off-White	Ext	1905 Building – North Wall	ND
480KMC-11	Union Tar	Misc	N	Off-White	Ext	1905 Building – East Wall	ND
480KMC-12	Vibration Dampener Cloth	Misc	N	Brown	3	1978 Building – Mechanical Room	ND
480KMC-13	HVAC Tar	Misc	N	Black	3	1978 Building – Mechanical Room	ND
480KMC-14	Roof Caulk	Misc	N	Grey	R	1905 Building – Roof Perimeter	ND
480KMC-15	Roof Tar	Misc	N	Black	R	1961 Building – Union of Membrane and Wall	ND
480KMC-16	Union Fastener Caulk	Misc	N	Off-White	R	1961 Building – Hallway Roof	ND
480KMC-17	Window Caulk	Misc	N	Off-White	Ext	1905 Building – Exterior Window Panels	ND
480KMC-18	Roof Membrane	Misc	N	White	R	1980 Building – Layer 1	ND
480KMC-19	Roof Foam	Misc	N	Green	R	1980 Building – Layer 2	ND
480KMC-20	Roof Tar	Misc	N	Black	R	1980 Building – Layer 3	ND
480KMC-21	Tar Paper	Misc	N	Black	R	1980 Building – Layer 4	ND
480KMC-22	Window Glaze	Misc		White	Ext	1905 Building – Exterior Panels	<1% Chrysotile (0.25 % Chrysotile PC)*

Sample #	Material Substance	Material Type (Surf/TSI/Misc)	Friable (Y or N)	Color	Floor	Location	Asbestos Content
480KMC-23	Window Panel Adhesive	Misc	N	White	Ext	1905 Building – Exterior Panels	ND
480KMC-26	Wall Vent	Misc	N	Grey	R	1978 Building – Roof	ND
480KMC-27	Ceiling Tile	Misc	Y	White	1	1905 Building – Lobby	ND
48053-16	2' x 2' Ceiling Tile	Misc	Y	White	B	1905 Building – Near South Storage	ND^
48053-74a	Plaster Texture	Surf	N	Gray	3	1905 Building – North Hallway Ceiling	ND^* ND PC
48053-74b	Plaster Texture	Surf	N	Gray	3	1905 Building – Roof Access Room Wall	ND^* ND PC
48053-74c	Plaster Texture	Surf	N	Gray	3	1905 Building – South Unit Ceiling	ND^* ND PC
25-MA5-73	Concrete Skim Coat	Surf	N	Gray	Ext	1905 Building – Exterior Foundation	ND^

*Analyzed via point count and not classified as RACM by the EPA
^Duplicate of samples collected during previous inspection

Material Type – Surf=Surfacing, TSI=Thermal System Insulation, Misc=Miscellaneous / **Location** – B=Basement, R=Roof, Mezz=Mezzanine, Ext=Exterior / **Asbestos Content** – PC=Point Count, ND=None Detected / **Est. Quantity** – SF=Square foot, LF=Linear foot, EA=Each

6.0 CONCLUSIONS / RECOMMENDATIONS

The following conclusions and recommendations are summarized as follows:

Asbestos was detected in 38 of the 148 samples collected from various building components within the Property's interior and exterior by EMS and 30 of the 226 samples collected by Terracon. Asbestos was detected in three of the 33 additional samples collected by Impact7G. ACMs include:

- Heat Exchanger Mag Insulation
- Mudded Fitting(s)
- Woolsfelt Pipe Insulation
- Mud on Breeching
- Mudded Joint Fitting(s)
- Mag Pipe Insulation
- 9" x 9" Floor Tile(s)
- 9" x 9" Floor Tile Mastic(s)
- Cement Board Ceiling
- Ceiling Tile(s)
- Air Handler Vibration Cloth
- Floor Tile(s)
- Floor Tile Mastic
- Caulk(s)
- Linoleum(s)
- Built-Up Roof Layers
- Door Gasket
- 12" x 12" Vinyl Floor Tile
- 12" x 12" Vinyl Floor Tile Mastic
- 2' x 2' Cement Board
- Roof Tar
- Flashing Tar
- Parapet Tar

Based on the results of the data collected during the assessment, the building requires further action prior to demolition or renovation. Impact7G recommends the abatement of all ACM containing components located within the inspection area if those building materials are to be disturbed during any future renovation/demolition activities. All abatement work shall be completed in accordance with local, state, and federal regulations. A visual inspection is recommended upon completion of abatement work to document that all ACMs within the scope of abatement have been removed.

7.0 CONDITIONS & LIMITATIONS

The Iowa Department of Natural Resources' (IDNR) Air Quality Bureau and Occupational Safety and Health Bureau (OSHA) of the Iowa Division of Labor Services require notification of any renovation/demolition activities in non-residential projects if the combined regulated ACM meets or exceeds any of the following thresholds: 160 square feet of surfacing ACM, 260 linear feet of TSI, or 35 cubic feet of ACM debris.

Impact7G has performed the tasks contained within this report in a thorough and professional manner consistent with commonly accepted standard industry practices. The results, findings, conclusions and recommendations expressed in this report are based on conditions observed during our survey of the property. Impact7G cannot guarantee, and does not warrant, that this report has identified all adverse environmental factors and/or conditions affecting the subject property. This report is not a bidding document or project specification as it does not contain the necessary components. Impact7G cannot warrant the work of any third party that may have aided in the completion of this report. This report has been prepared on behalf of and exclusively for use by ECIA and the City of Clinton for specific application to their project as discussed. Contractors, consultants or other third parties reviewing this report must draw their own conclusions regarding data contained within the report, further investigation or required remediation.

APPENDIX A

Qualifications

M·E·T·A

Mayhew Environmental Training Associates

INCORPORATED

License Type	Number	Expires
INSPECTOR	24-11421	01-24-2025
MANAGEMENT PLANNER	24-11422	01-26-2025
SUPERVISOR	24-11423	02-02-2025

IOWA

Asbestos

Larry Johnson, Jr.
Labor Commissioner

Certificate # 2BC7ETFZKW

Kirstyn McElroy

KIRSTYN MC ELROY



DOB: 11-10-1998
Issued: 02-28-2024

This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

has on 1/24/2024, in Johnston, IA completed the requirements for asbestos accreditation under Section 206 of TSCA Title II, 15 USC 2646

Asbestos Inspector Initial

as approved by IA & the US EPA under 40 CFR 763 (AHERA)
on 1/22/2024 - 1/24/2024 and passed the associated exam on 1/24/2024 with a score of at least 70%

Robert J Baer

Robert Baer Instructor

Thomas Mayhew
President

KANSAS MAYHEW INC. 1987 EST. 1985 ENVIRONMENTAL TRAINING ASSOCIATES SAFETY IN GOD ALONE

SSN: XXX-XX-7133
Expiration: 1/24/2025

P.O. Box 786 - Lawrence, KS. 66044 - 800.444.6382
www.metaenvironmental.net

Certificate of Completion

LEON JOHNSON

DOB: 10-05-1978

Issued: 01-31-2024



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

Impact7G, Inc.

certifies that

Leon Johnson

License Type	Number	Expires
INSPECTOR	24-11232	01-18-2025
SUPERVISOR	24-11233	01-17-2025

IOWA

Asbestos

Larry Johnson, Jr.
Labor Commissioner

has successfully completed and passed the associated examination for the

Asbestos Inspector Annual Review

course accredited by the State of Missouri and conducted in accordance with the requirements of 40 CFR 763. The person receiving this certificate has completed the required training for asbestos certification under TSCA Title II.

IMPACT7G

Course Date: January 18, 2024
Examination Date: January 18, 2024
Expiration Date: January 18, 2025
Course Location: 8951 Windsor Parkway, Johnston, Iowa
Certificate Number: 011824-INR-14

Instructor
8951 Windsor Parkway
Johnston, IA 50131
515-473-6256

JONATHAN REIS



DOB: 02-13-1984

Issued: 02-27-2024

This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	24-11227	01-18-2025
PROJECT DESIGNER	24-11400	01-20-2025
SUPERVISOR	24-11399	01-17-2025

IOWA

Asbestos

Larry Johnson, Jr.
Labor Commissioner

APPENDIX B

Laboratory Reports & Chain of Custody Documentation

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162408901
Customer ID: IMPA25
Customer PO:
Project ID:

Attention: Jon Reis
Impact7G
8951 Windsor Parkway
Johnston, IA 50131

Project: Clinton YMCA

Phone: (515) 473-6256
Fax: (515) 528-8005
Received Date: 05/02/2024 10:10 AM
Analysis Date: 05/03/2024 - 05/06/2024
Collected Date: 04/30/2024

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480KMC-01 *162408901-0001*	GREY COVE BASE, SOUTH ENTRY STAIRS	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-02 *162408901-0002*	TAN COVE BASE ADHESIVE, SOUTH ENTRY STAIRS	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-03 *162408901-0003*	GREY PROTRUSION TAR, SOUTH VENT, EXT	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-04 *162408901-0004*	OFF-WHITE DOOR CAULK, SOUTH ELEVATOR EXIT DOOR	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-05 *162408901-0005*	GREY WALL/EXPANSION CAULK, ALL SIDES OF EXTERIOR	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-06 *162408901-0006*	BLACK FOUNDATION TAR, ALL SIDES OF THE EXTERIOR BASE	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-07 *162408901-0007*	TAN EXPANSION CAULK, NORTH SIDE	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-08 *162408901-0008*	TAN DOOR CAULK, EXTERIOR NORTHWEST DOOR	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-09 *162408901-0009*	BLACK ROOF TAR, NORTH SIDE ROOF EDGING	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262, A2LA Accredited - Certificate #2845.25

Initial report from: 05/06/2024 10:03:16

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162408901
Customer ID: IMPA25
Customer PO:
Project ID:

Attention: Jon Reis
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8951 Windsor Parkway
Johnston, IA 50131

Project: Clinton YMCA

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Collected Date: 04/30/2024

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480KMC-10 *162408901-0010*	OFF-WHITE UNION GROUT, EXTERIOR SOUTH WALL	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-11 *162408901-0011*	OFF-WHITE UNION TAR, EXTERIOR EAST WALL	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-12 *162408901-0012*	BROWN VIBRATION DAMPENER CLOTH, 1978 MECHANICAL ROOM	Brown Fibrous Homogeneous	90% Cellulose	10.0% Non-fibrous (Other)	**None Detected**
480KMC-13 *162408901-0013*	BLACK HVAC TAR, 1978 MECHANICAL ROOM	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-14 *162408901-0014*	GREY ROOF CAULK, 1905 PERIMETER	White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-15 *162408901-0015*	BLACK, ROOF TAR UNION OF MEMBRANE AND WALL, 1961 ROOF	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-16 *162408901-0016*	OFF-WHITE UNION FASTENER CAULK, 1961 HALLWAY ROOF	Tan/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-17 *162408901-0017*	OFF-WHITE WINDOW CAULK, 1905 EXT. WINDOW PANELS	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-18 *162408901-0018*	WHITE, LAYER 1 ROOF MEMBRANE	Tan/White Fibrous Homogeneous	40% Synthetic	60.0% Non-fibrous (Other)	**None Detected**

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480KMC-19 *162408901-0019*	GREEN, LAYER 2 ROOF FOAM	White/Green Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-20 *162408901-0020*	BLACK, LAYER 3 ROOF TAR	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-21 *162408901-0021*	BLACK, LAYER 4 TAR PAPER	Black Fibrous Homogeneous	30% Cellulose	70.0% Non-fibrous (Other)	**None Detected**
480KMC-22 *162408901-0022*	WHITE, WINDOW GLAZE, 1905 EXTERIOR PANELS	Gray/Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<1% Chrysotile**
480KMC-23 *162408901-0023*	WHITE, WINDOW PANELS ADHESIVE, 1905 EXTERIOR PANELS	Tan Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-24 *162408901-0024*	BLACK, ROOF TAR, ALL ROOFFS	Gray/Black/Silver Non-Fibrous Homogeneous		98.0% Non-fibrous (Other)	**2% Chrysotile**
480KMC-25 *162408901-0025*	GREY/BLACK, FLASHING TAR, 1905 ROOFS	Gray/Black/Silver Non-Fibrous Homogeneous		97.0% Non-fibrous (Other)	**3% Chrysotile**
480KMC-26 *162408901-0026*	GREY, WALL VENT CAULK, 1978 ROOF	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
480KMC-27 *162408901-0027*	WHITE, CEILING TILE, 1905 LOBBY	Gray/White Fibrous Homogeneous	60% Cellulose 20% MinWool	15% Perlite 5.0% Non-fibrous (Other)	**None Detected**

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262, A2LA Accredited - Certificate #2845.25

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EMSL Order:	162408901
Customer ID:	IMPA25
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Project ID:	

Attention:	Jon Reis Impact7G 8951 Windsor Parkway Johnston, IA 50131	**Phone:**	(515) 473-6256
		Fax:	(515) 528-8005
		Received Date:	05/02/2024 10:10 AM
		Analysis Date:	05/03/2024 - 05/06/2024
		Collected Date:	04/30/2024
Project:	Clinton YMCA		

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	05/02/2024	Sample Receipt Time:	10:10 AM
Analysis Completed Date:	05/06/2024	Analysis Completed Time:	8:54 AM

Analyst(s):

Ross A. Matlock

Ross Matlock PLM (27)

Samples Reviewed and approved by:

Melissa Newkirk

Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262, A2LA Accredited - Certificate #2845.25

Initial report from: 05/06/2024 10:03:16

EMSL Analytical, Inc.

6340 CastlePlace Dr. Indianapolis, IN 46250
Phone/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order:	162408901
Customer ID:	IMPA25
Customer PO:	
Project ID:	

Attention:	Jon Reis Impact7G 8951 Windsor Parkway Johnston, IA 50131	**Phone:**	(515) 473-6256
		Fax:	(515) 528-8005
		Received:	05/02/2024 10:10 AM
		Analysis Date:	05/15/2024
		Collected:	04/30/2024
Project:	Clinton YMCA		

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480KMC-22 *162408901-0022*	WHITE, WINDOW GLAZE, 1905 EXTERIOR PANELS	Gray/Tan Non-Fibrous Homogeneous		99.75% Non-fibrous (Other)	**0.25%** **Chrysotile**

Analyst(s)

Alison Pacey (1)

Melissa Newkirk

Asbestos Laboratory Manager
or other approved signatory

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, A2LA Accredited - Certificate #2845.25

Initial report from: 05/15/2024 12:16:58

OrderID: 162408901

Asbestos Bulk Building Material

Chain of Custody

EMSL Order Number (Lab Use Only)

162408901

EMSL Analytical, Inc.
6340 Castleplace Dr.
Indianapolis, IN 46250

Phone: (317)803-2997
Fax: (317)803-3047

Company: IMPACT7G		**EMSL – Bill to:** Same *Third Party Billing requires written authorization from third party.*	
Street: 8951 Windsor Parkway			
City: Johnston	**State:** IA	**Zip Code:** 50131	**Country:** USA
Report To: Jon Reis		**Phone:** 515-473-6256	**Fax:**
Email Address: jreis@impact7g.com		**Please Provide results:EMAIL**	
Project Name: Clinton YMCA			
US State Samples Taken: IA			

Turnaround Time (TAT) Options

☐ 3-Hour ☐ 6-Hour ☐ 24-Hour ☐ 32-Hour ☒ 48-Hour ☐ 96-Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 hr TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytic Price Guide.*

PLM – BULK (reporting limit) ☒ PLM EPA 600/R-93/116 (<1%)	**TEM – Air** ☐ 4-4 5hr TAT (AHERA only) ☐ AHERA 40 CFR, Part 763
☐ **Check for Positive Stop – Clearly Identify Homogeneous Group**	**Filter Pore Size (Air Samples):** ☐ 0.8 µm ☐ 0.45 µm
Sampler's Name:	**Sampler's Signature:**

Sample #	Sample Description	Volume/Area (Air)	Date/Time Sampled
480KMC-01	Grey cove base, south entry stairs		04/30/2024
480KMC-02	Tan cove base adhesive, south entry stairs		04/30/2024
480KMC-03	Grey protrusion tar, south vent, ext		04/30/2024
480KMC-04	Off-white door caulk, south elevator exit door		04/30/2024
480KMC-05	Grey wall/expansion caulk, all sides of exterior		04/30/2024
480KMC-06	Black foundation tar, all sides of the exterior base		04/30/2024
480KMC-07	Tan expansion caulk, north side		04/30/2024
480KMC-08	Tan door caulk, exterior northwest door		04/30/2024
480KMC-09	Black roof tar, north side roof edging		04/30/2024
480KMC-10	Off-white union grout, exterior south wall		04/30/2024
480KMC-11	Off-white union tar, exterior east wall		04/30/2024
480KMC-12	Brown vibration dampener cloth, 1978 mechanical room		04/30/2024

Client Sample # (s):				**Total # of Samples:**	27
Relinquished (Client):	Kirstyn McElroy	**Date:**	5/1/2024	**Time:**	09:31
Received (Lab):		**Date:**	5/2/24	**Time:**	1010
Comments/Special Instructions:	**PLEASE SAMPLE ALL LAYERS, ADHESIVES, TEXTURES, ETC. Thanks!** ☺				

PAGE 1 OF 1

8901

Company: IMPACT7G		**EMSL -- Bill to:** Same *Third Party Billing requires written authorization from third party.*	
Street: 8951 Windsor Parkway			
City: Johnston	**City:** Johnston	**Zip Code: 50131**	**Country:** USA
Report To: Jon Reis		**Phone:** 515-473-6256	**Fax:**
Email Address: : jreis@impact7g.com		**Please Provide Results:** E-mail	
Project Name:			
US State Samples Taken: IA			

Sample #	Sample Description	Volume/Area (Air)	Date/Time Sampled
480KMC-13	Black HVAC tar, 1978 mechanical room		04/30/2024
480KMC-14	Grey roof caulk, 1905 perimeter		04/30/2024
480KMC-15	Black, roof tar union of membrane and wall, 1961 roof		04/30/2024
480KMC-16	Off-white union fastener caulk, 1961 hallway roof		04/30/2024
480KMC-17	Off-white window caulk, 1905 ext. window panels		04/30/2024
480KMC-18	White, layer 1 roof membrane		04/30/2024
480KMC-19	Green, layer 2 roof foam		04/30/2024
480KMC-20	Black, layer 3 roof tar		04/30/2024
480KMC-21	Black, layer 4 tar paper		04/30/2024
480KMC-22	White, window glaze, 1905 exterior panels		04/30/2024
480KMC-23	White, window panel adhesive, 1905 exterior panels		04/30/2024
480KMC-24	Black, roof tar, all roofs		04/30/2024
480KMC-25	Grey/black, flashing tar, 1905 roofs		04/30/2024
480KMC-26	Grey, wall vent caulk, 1978 roof		04/30/2024
480KMC-27	White, ceiling tile, 1905 lobby		

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162410140
Customer ID: IMPA25
Customer PO:
Project ID:

Attention: Jon Reis
Impact7G
8951 Windsor Parkway
Johnston, IA 50131

Phone: (515) 473-6256
Fax: (515) 528-8005
Received Date: 05/20/2024 8:00 AM
Analysis Date: 05/21/2024
Collected Date: 05/17/2024

Project: ECIA BF Assessment Grant - 480 S 3rd St, Clinton

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

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-16 *162410140-0001*	2'x2' CEILING TILE, WHITE, B, NEAR SOUTH STORAGE	White Fibrous Homogeneous	95% MinWool	5.0% Non-fibrous (Other)	**None Detected**
48053-74a *162410140-0002*	PLASTER TEXTURE, GRAY, 3, NORTH HALLWAY CEILING	White/Pink Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
48053-74b *162410140-0003*	PLASTER TEXTURE, GRAY, 3, ROOF ACCESS ROOM WALL	Gray Non-Fibrous Homogeneous		20% Quartz 80.0% Non-fibrous (Other)	**None Detected**
48053-74c *162410140-0004*	PLASTER TEXTURE, GRAY, 3, SOUTH UNIT CEILING	Gray/White Non-Fibrous Heterogeneous		20% Quartz 80.0% Non-fibrous (Other)	**None Detected**
25-MAS-73 *162410140-0005*	CONCRETE SKIM COAT, GRAY, EXT, 1905 BUILDING EXTERIOR FOUNDATION	Gray Non-Fibrous Homogeneous		25% Quartz 75.0% Non-fibrous (Other)	**None Detected**
480KML-28 *162410140-0006*	PARAPET TAR, BLACK, R, 1905 BUILDING ON PARAPET	Black Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**<1% Chrysotile**

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262, A2LA Accredited - Certificate #2845.25

Initial report from: 05/21/2024 10:30:45

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162410140
Customer ID: IMPA25
Customer PO:
Project ID:

Attention: Jon Reis
Impact7G
8951 Windsor Parkway
Johnston, IA 50131

Phone: (515) 473-6256
Fax: (515) 528-8005
Received Date: 05/20/2024 8:00 AM
Analysis Date: 05/21/2024
Collected Date: 05/17/2024

Project: ECIA BF Assessment Grant - 480 S 3rd St, Clinton

The samples in this report were submitted to EMSL for analysis by Asbestos Analysis of Bulk materials via EPA/600 (0513) Method using Polarized Light Microscopy. The reference number for these samples is the EMSL Order ID above. Please use this reference number when calling about these samples.

Report Comments:

Sample Receipt Date:	05/20/2024	Sample Receipt Time:	8:00 AM
Analysis Completed Date:	05/21/2024	Analysis Completed Time:	8:58 AM

Analyst(s):

Luke Anderson PLM (6)

Samples Reviewed and approved by:

Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262, A2LA Accredited - Certificate #2845.25

Initial report from: 05/21/2024 10:30:45

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Phone/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162410140
Customer ID: IMPA25
Customer PO:
Project ID:

Attention: Jon Reis
Impact7G
8951 Windsor Parkway
Johnston, IA 50131

Phone: (515) 473-6256
Fax: (515) 528-8005
Received: 05/20/2024 8:00 AM
Analysis Date: 05/22/2024
Collected: 05/17/2024

Project: ECIA BF Assessment Grant - 480 S 3rd St, Clinton

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-74a *162410140-0002*	PLASTER TEXTURE, GRAY, 3, NORTH HALLWAY CEILING	White/Pink Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
48053-74b *162410140-0003*	PLASTER TEXTURE, GRAY, 3, ROOF ACCESS ROOM WALL	Gray Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**
48053-74c *162410140-0004*	PLASTER TEXTURE, GRAY, 3, SOUTH UNIT CEILING	Gray/White Non-Fibrous Homogeneous		100.0% Non-fibrous (Other)	**None Detected**

Analyst(s)

Luke Anderson (3)

Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, A2LA Accredited - Certificate #2845.25

Initial report from: 05/22/2024 12:04:30

EMSL Analytical, Inc.
6340 CastlePlace Dr., Indianapolis, IN 46250
Phone/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com indianapolislab@emsl.com

EMSL Order:	162410140
CustomerID:	IMPA25
CustomerPO:	
ProjectID:	

Attn: **Jon Reis**
Impact7G
8951 Windsor Parkway
Johnston, IA 50131

Phone:	(515) 473-6256
Fax:	(515) 528-8005
Received:	5/20/2024 08:00 AM
Analysis Date:	5/24/2024
Collected:	5/17/2024

Project: **ECIA BF Assessment Grant - 480 S 3rd St, Clinton**

Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy with Gravimetric Reduction. Quantitation using 400 Point Count Procedure.

SAMPLE ID	DESCRIPTION	APPEARANCE	(%) Matrix Organic	(%) Matrix Acid	NON- ASBESTOS % Fibrous	NON- ASBESTOS % NON-FIBROUS	ASBESTOS % TYPES
480KML-28 *162410140-0006*	PARAPET TAR, BLACK, R, 1905 BUILDING ON PARAPET	Black Non-Fibrous Homogeneous	57.4	14.3		25.2 Non-fibrous (other)	3.1 Chrysotile

Analyst(s)
Hilary Jarvis (1)

Melissa Newkirk
Asbestos Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, A2LA Accredited - Certificate #2845.25

Initial report from 05/24/2024 15:44:15

OrderID: 162410140

Ship Date:

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Chain of Custody EMSL Order Number

(Lab Use Only)

162410140

6340 Castleplace Dr.
Indianapolis, IN 46250
Phone: (317)803-2997
Fax: (317)803-3047

Company: IMPACT7G		☑ EMSL – Bill to: Same *Third Party Billing requires written authorization from third party.*	
Street: **8951 Windsor Parkway**			
City: Johnston	State: IA	Zip Code: 50131	Country: USA
Report To: Jon Reis		Phone: 515-473-6256	Fax: 515-528-8005
Email Address: jreis@impact7g.com		Please Provide results: EMAIL	
Project Name: ECIA BF Assessment Grant - 480 S 3rd St, Clinton			
US State Samples Taken: IA			

Turnaround Time (TAT) Options

☐ 3-Hour	☐ 6-Hour	☑ 24-Hour	☐ 32-Hour	☑ 48 -Hour	☐ 72-Hour	☐ 1 Week	☐ 2 Week

**For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 hr TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytic Price Guide.*

PLM – BULK (reporting limit)	TEM – Air ☐ 4-4.5hr TAT (AHERA only)
☑ PLM EPA 600/R-93/116 (<1%)	☐ AHERA 40 CFR, Part 763

Sampler Names: Leon Johnson | Sampler Signature:

☐ Check for Positive Stop – Clearly Identify Homogeneous Group | Filter Pore Size (Air Samples): ☐0.8 µm ☐0.45 µm

Sample ID	Sample Material/Description	Color	Floor	Location	Sample Date
48053-16	2'x2' Ceiling Tile, ~~white/basement~~	White	B	Near South Storage	5/17/24
48053-74a	Plaster Texture	Gray	3	North Hallway Ceiling	
48053-74b	Plaster Texture	Gray	3	Roof Access Room Wall	
48053-74c	Plaster Texture	Gray	3	South Unit Ceiling	
25-MAS-73	Concrete Skim Coat	Gray	EXT	1905 Building Exterior Foundation	
480KmC-28	Parapet Tar	Black	R	1905 Building on parapet	

Client Sample # (s):	48053-16, 48053-74a, 74b, 74c, 25-MAS-73, 480KmC-28			Total #:	6
Relinquished (Client):	Jon Reis	Date:	5/17/2024	Time:	2:25
Received (Lab):	[signature]	Date:	5/20/24	Time:	8am FX
Comments/Special Instructions:	Please only analyze materials identified				

APPENDIX C

ACM Photographs

Photograph table includes photos of all asbestos-containing materials.

4/30/2024 **Photographer:** **Leon Johnson**	**Asbestos Containing Materials Inspection** **480 South 3rd Street** **Clinton, Iowa 52733**
Photo #1 **Description:** ACM Black Roof Parapet Tar **Location:** 1961 Building – Roof Parapet **Sample** 480KMC-24	
Photo #2 **Description:** ACM Grey/Black Roof Flashing Tar **Location:** 1905 Building – Stairwell Roof **Sample** 480KMC-25	

Photograph table includes photos of all asbestos-containing materials.

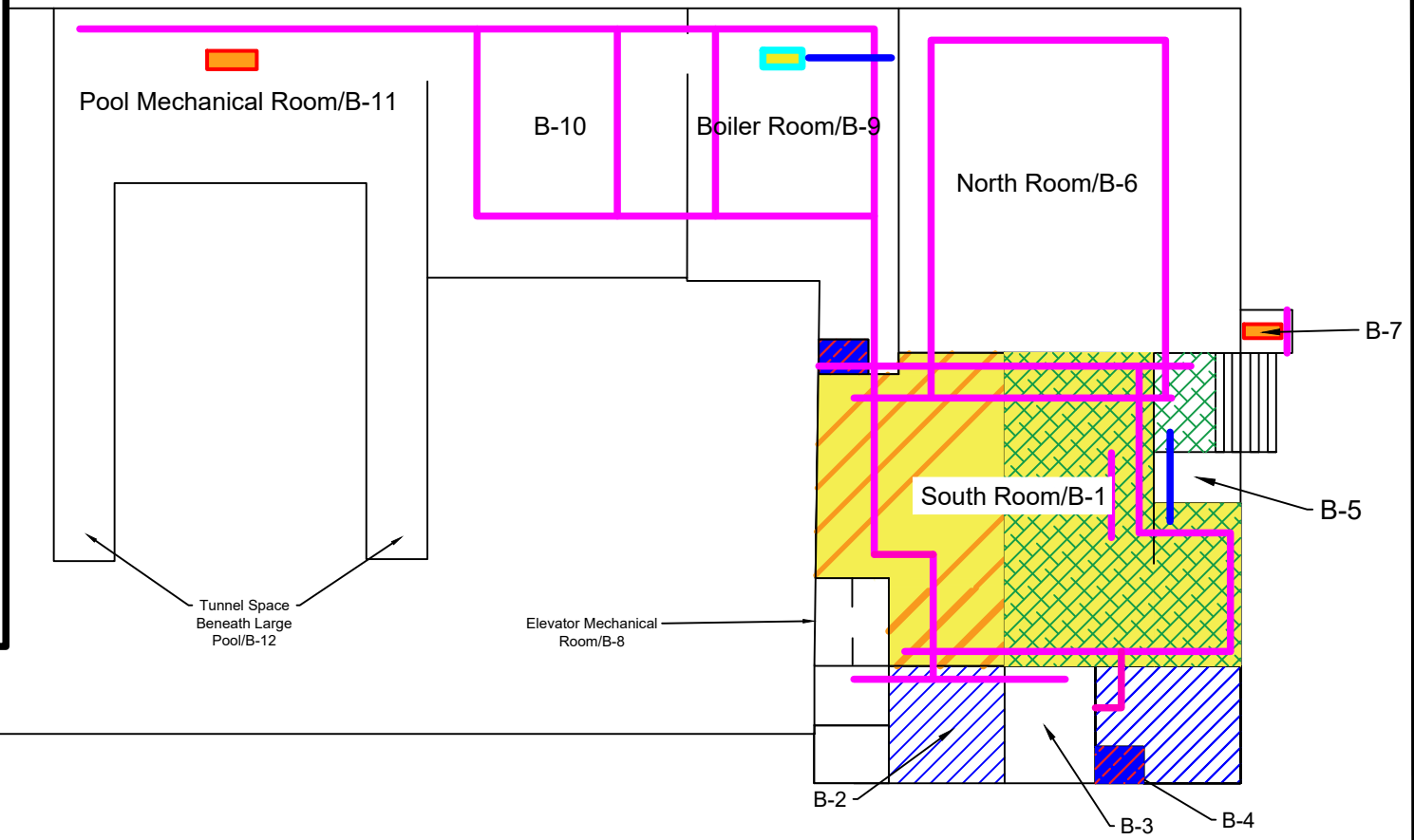
5/17/2024 **Photographer:** **Jon Reis**	**Asbestos Containing Materials Inspection** **480 South 3rd Street** **Clinton, Iowa 52733**
Photo #3 **Description:** ACM Black Roof Parapet Tar **Location:** 1905 Building – Roof Parapet **Sample** 480KML-28	

APPENDIX D

Sample Location Map(s)

Asbestos Legend

Label	Material Substance
	Floor Tile/Floor Mastic
	Floor Tile 2'x2' Ceiling Tile
	2'x2' Ceiling Tile
	Cement Board Floor Tile 2'x2' Ceiling Tile
	Wall Panel Caulk
	Mudded Joint Fittings Pipe Insulation
	Vertical Pipe Chase
	Vibration Cloth
	Boiler Door Gasket
	Mag Pipe Insulation
	Cement Board
	Roof Tar/Roof Flashing Tar
	Floor Tile
	Cement Board/Floor Tile
	Vent Caulk



N
W E
S

DATE: 05/16/24
DRAWN BY: LJ
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Clinton

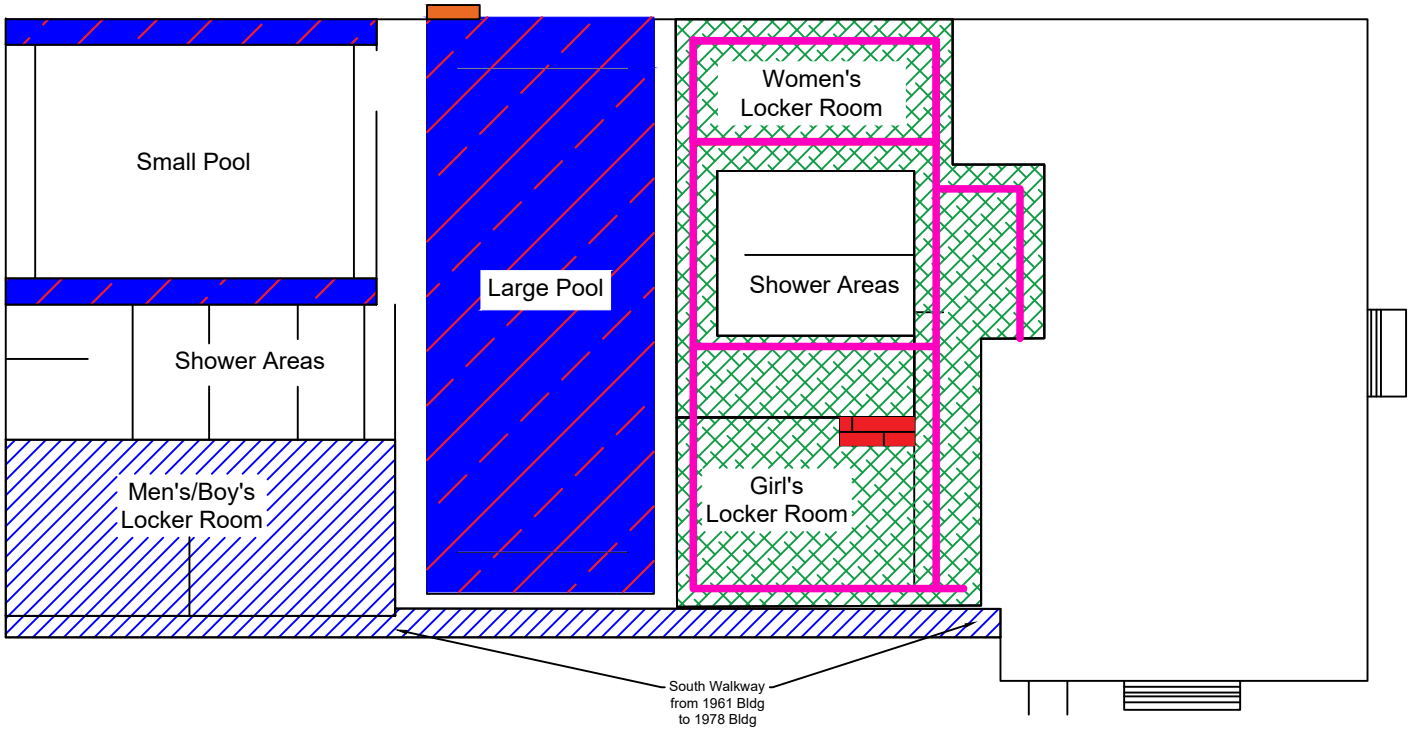
JOB DESCRIPTION: ACM Positive Summary Map
480 South 3rd Street
Clinton, Iowa

SHEET TITLE: Property Map
Basement

IMPACT7G

Asbestos Legend

Label	Material Substance
	Floor Tile/Floor Mastic
	Floor Tile 2'x2' Ceiling Tile
	2'x2' Ceiling Tile
	Cement Board Floor Tile 2'x2' Ceiling Tile
	Wall Panel Caulk
	Mudded Joint Fittings Pipe Insulation
	Vertical Pipe Chase
	Vibration Cloth
	Boiler Door Gasket
	Mag Pipe Insulation
	Cement Board
	Roof Tar/Roof Flashing Tar
	Floor Tile
	Cement Board/Floor Tile
	Vent Caulk



N
W E
S

DATE: 05/16/24
DRAWN BY: LJ
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Clinton

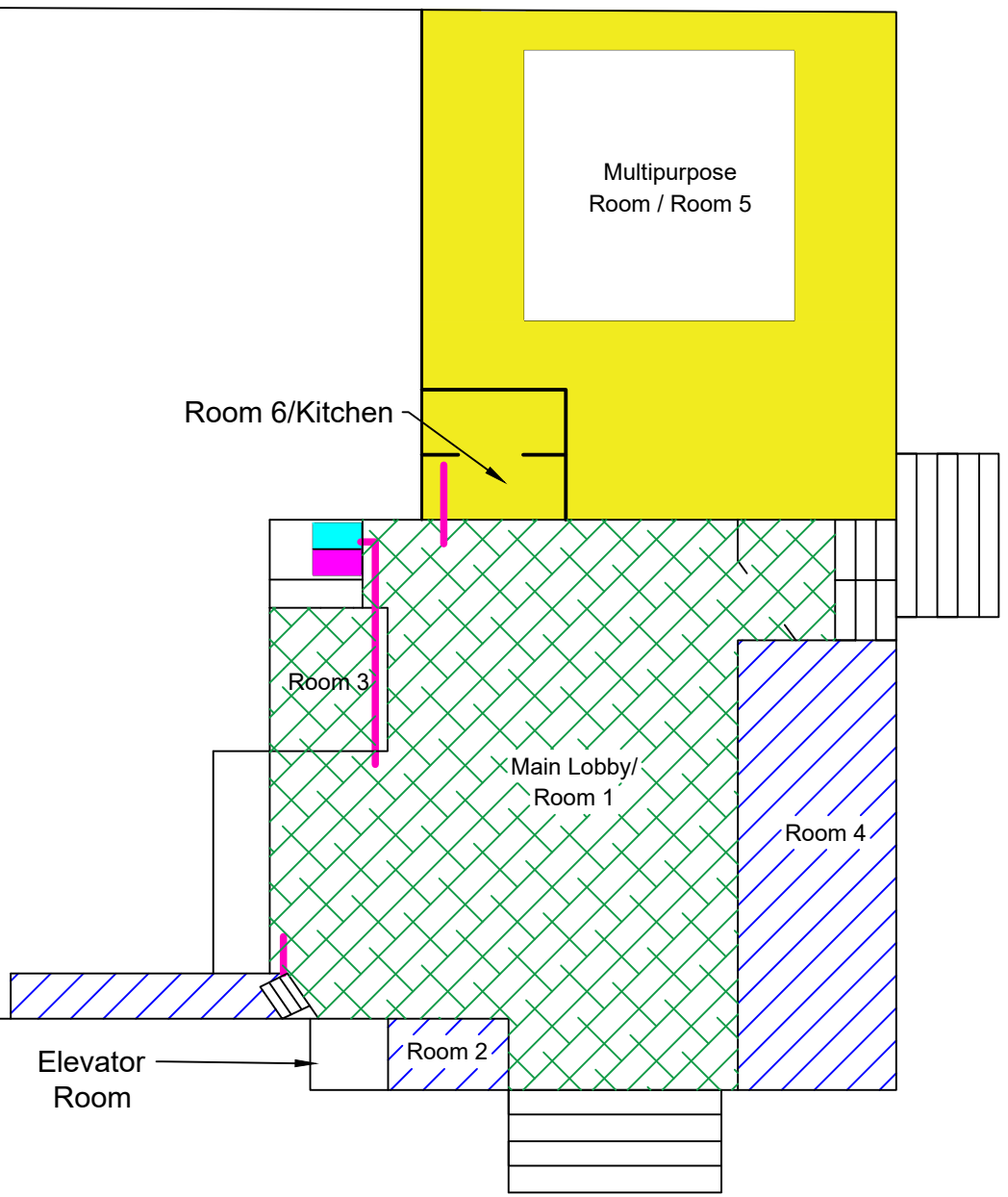
JOB DESCRIPTION: ACM Positive Summary Map
480 South 3rd Street
Clinton, Iowa

SHEET TITLE: Property Map
Sub-Level

IMPACT7G

Asbestos Legend

Label	Material Substance
	Floor Tile/Floor Mastic
	Floor Tile 2'x2' Ceiling Tile
	2'x2' Ceiling Tile
	Cement Board Floor Tile 2'x2' Ceiling Tile
	Wall Panel Caulk
	Mudded Joint Fittings Pipe Insulation
	Vertical Pipe Chase
	Vibration Cloth
	Boiler Door Gasket
	Mag Pipe Insulation
	Cement Board
	Roof Tar/Roof Flashing Tar
	Floor Tile
	Cement Board/Floor Tile
	Vent Caulk



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DATE: 05/16/24
DRAWN BY: LJ
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Clinton

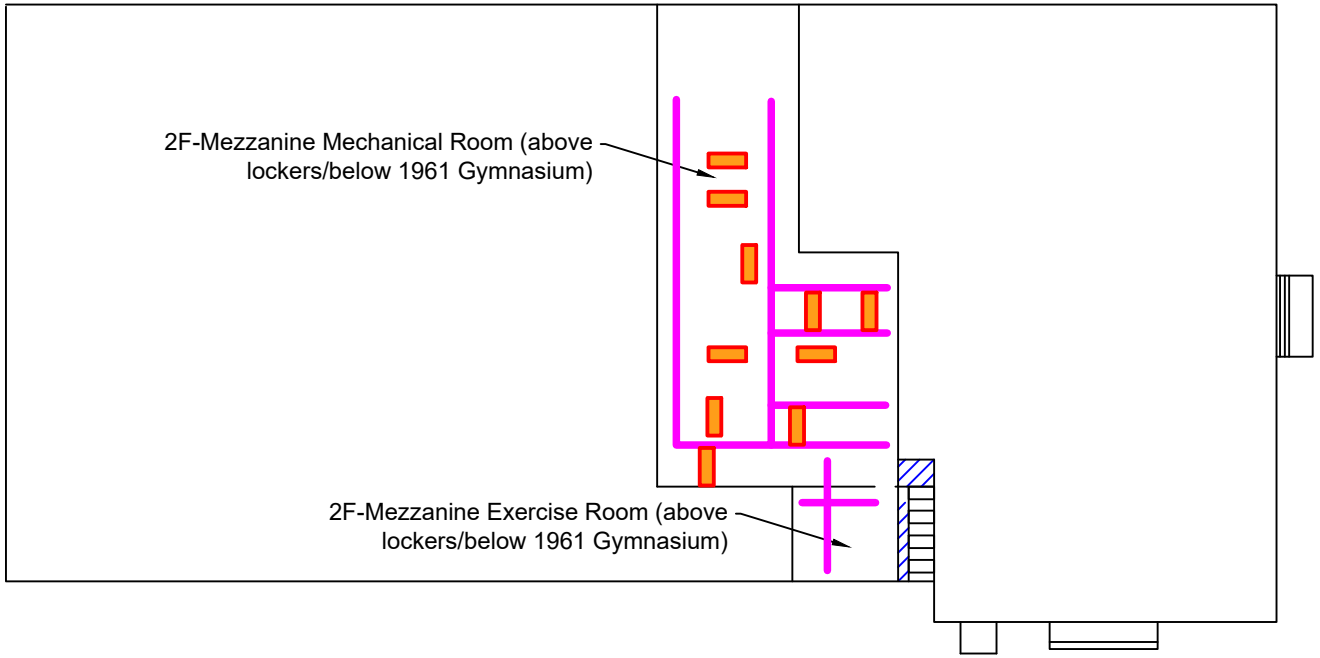
JOB DESCRIPTION: ACM Positive Summary Map
480 South 3rd Street
Clinton, Iowa

SHEET TITLE: Property Map
Main Level

IMPACT7G

Asbestos Legend

Label	Material Substance
	Floor Tile/Floor Mastic
	Floor Tile 2'x2' Ceiling Tile
	2'x2' Ceiling Tile
	Cement Board Floor Tile 2'x2' Ceiling Tile
	Wall Panel Caulk
	Mudded Joint Fittings Pipe Insulation
	Vertical Pipe Chase
	Vibration Cloth
	Boiler Door Gasket
	Mag Pipe Insulation
	Cement Board
	Roof Tar/Roof Flashing Tar
	Floor Tile
	Cement Board/Floor Tile
	Vent Caulk



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DATE: 05/16/24
DRAWN BY: LJ
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Clinton

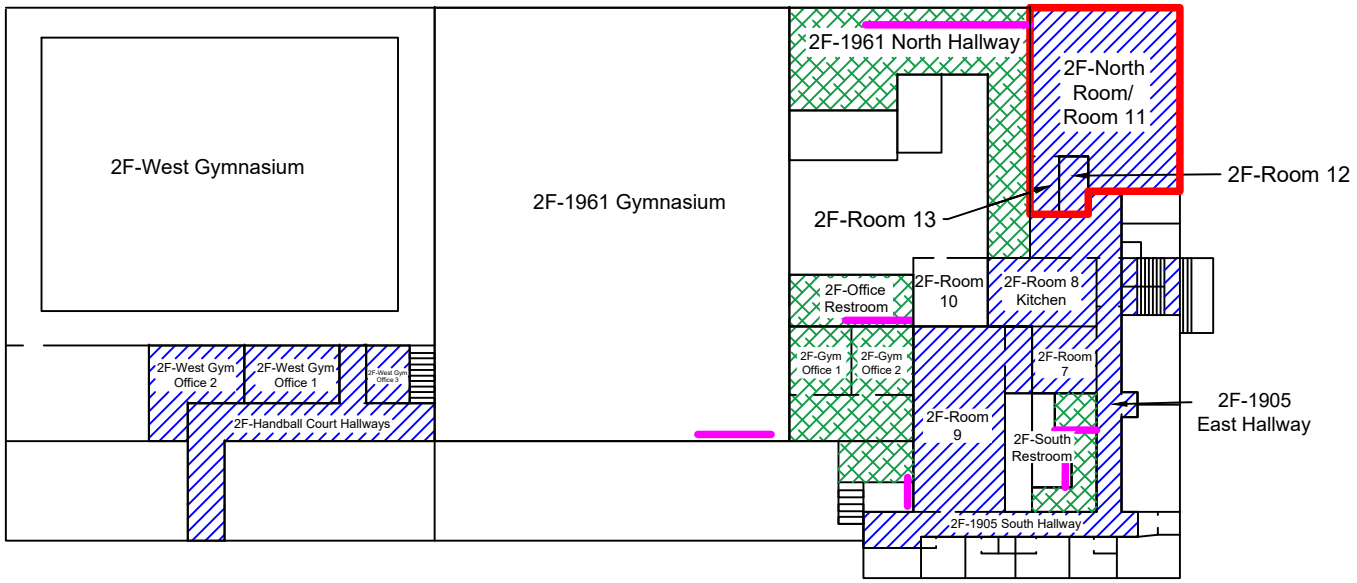
JOB DESCRIPTION: ACM Positive Summary Map
480 South 3rd Street
Clinton, Iowa

SHEET TITLE: Property Map
Mezzanine

IMPACT 7G

Asbestos Legend

Label	Material Substance
	Floor Tile/Floor Mastic
	Floor Tile 2'x2' Ceiling Tile
	2'x2' Ceiling Tile
	Cement Board Floor Tile 2'x2' Ceiling Tile
	Wall Panel Caulk
	Mudded Joint Fittings Pipe Insulation
	Vertical Pipe Chase
	Vibration Cloth
	Boiler Door Gasket
	Mag Pipe Insulation
	Cement Board
	Roof Tar/Roof Flashing Tar
	Floor Tile
	Cement Board/Floor Tile
	Vent Caulk



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DATE: 05/16/24
DRAWN BY: LJ
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Clinton

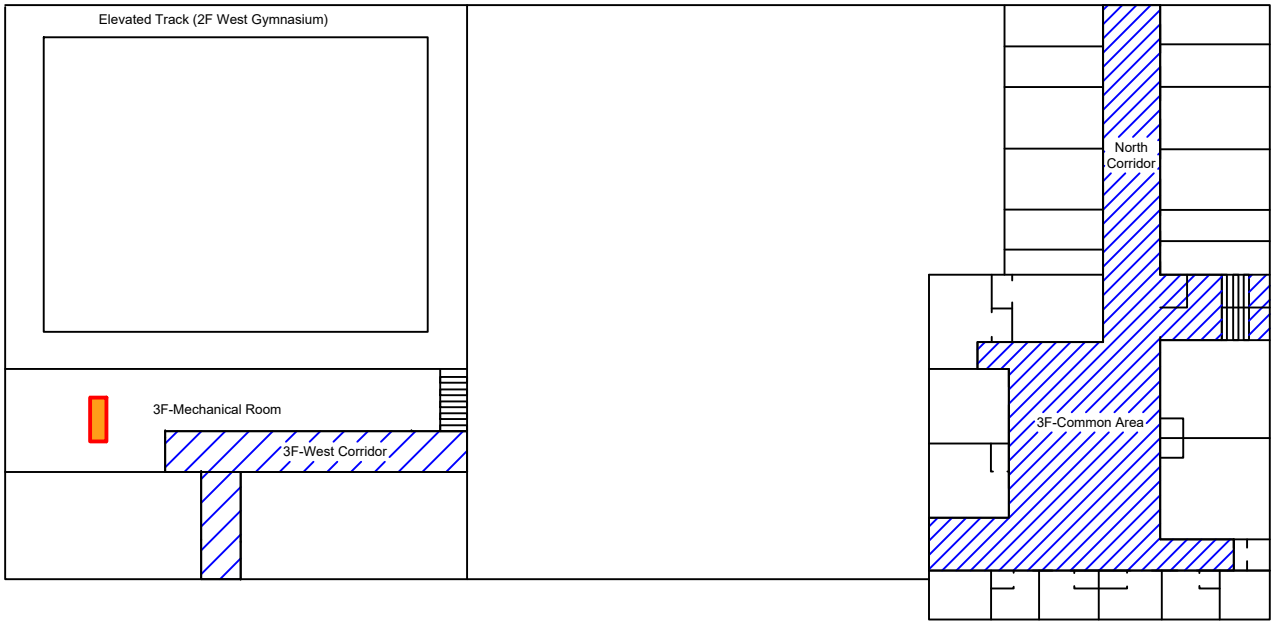
JOB DESCRIPTION: ACM Positive Summary Map 480 South 3rd Street Clinton, Iowa

SHEET TITLE: Property Map 2nd Floor

IMPACT 7G

Asbestos Legend

Label	Material Substance
	Floor Tile/Floor Mastic
	Floor Tile 2'x2' Ceiling Tile
	2'x2' Ceiling Tile
	Cement Board Floor Tile 2'x2' Ceiling Tile
	Wall Panel Caulk
	Mudded Joint Fittings Pipe Insulation
	Vertical Pipe Chase
	Vibration Cloth
	Boiler Door Gasket
	Mag Pipe Insulation
	Cement Board
	Roof Tar/Roof Flashing Tar
	Floor Tile
	Cement Board/Floor Tile
	Vent Caulk



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DATE: 05/16/24
DRAWN BY: LJ
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Clinton

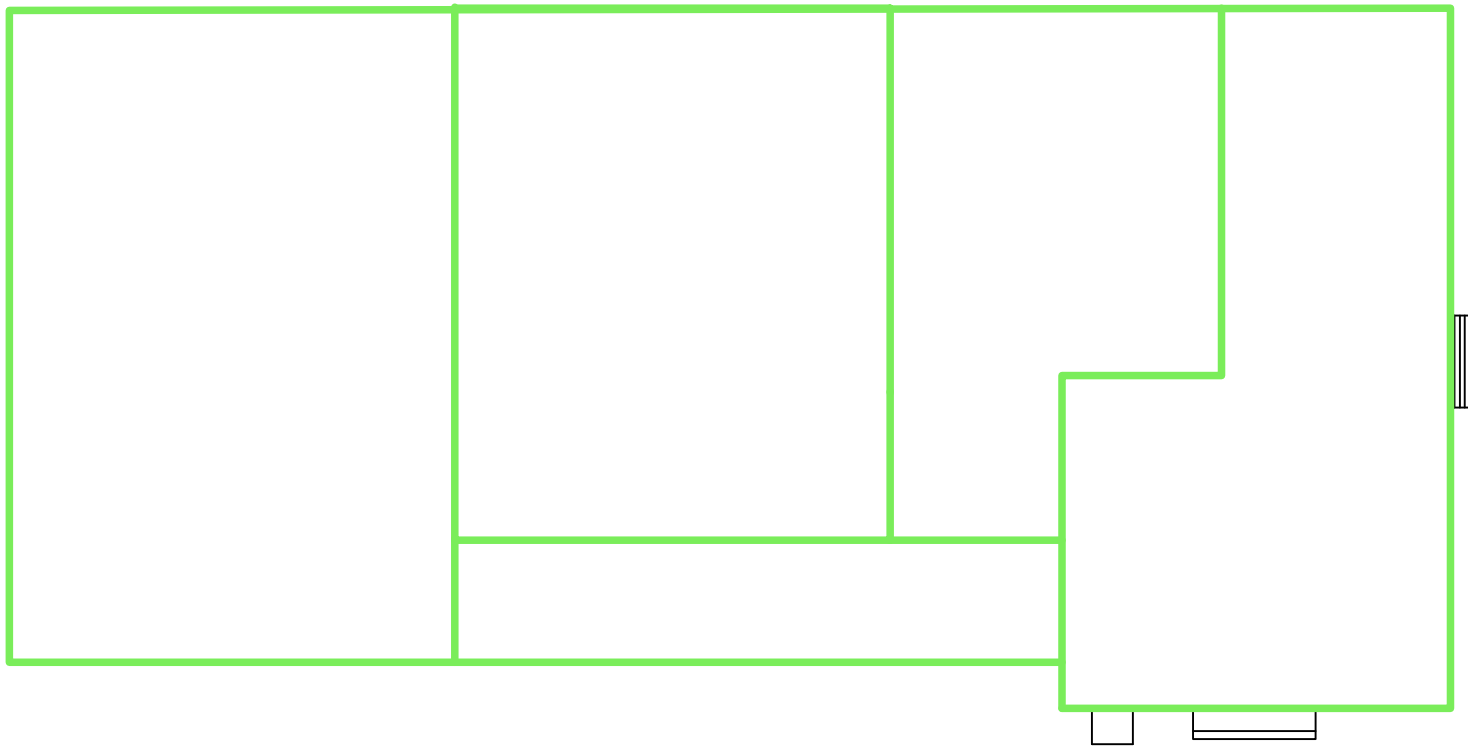
JOB DESCRIPTION: ACM Positive Summary Map
480 South 3rd Street
Clinton, Iowa

SHEET TITLE: Property Map
3rd Floor

IMPACT7G

Asbestos Legend

Label	Material Substance
	Floor Tile/Floor Mastic
	Floor Tile 2'x2' Ceiling Tile
	2'x2' Ceiling Tile
	Cement Board Floor Tile 2'x2' Ceiling Tile
	Wall Panel Caulk
	Mudded Joint Fittings Pipe Insulation
	Vertical Pipe Chase
	Vibration Cloth
	Boiler Door Gasket
	Mag Pipe Insulation
	Cement Board
	Roof Tar/Roof Flashing Tar
	Floor Tile
	Cement Board/Floor Tile
	Vent Caulk



N
W E
S

DATE: 05/16/24
DRAWN BY: LJ
CHECKED BY: JR
SCALE: N/A
PROJECT NO: City of Clinton

JOB DESCRIPTION: ACM Positive Summary Map
480 South 3rd Street
Clinton, Iowa

SHEET TITLE: Property Map
Roof

IMPACT7G

APPENDIX E

Building Identification Map

APPENDIX E - BUILDING IDENTIFICATION MAP

North



Building Identification Map

ECIA / City of Clinton
Fromer YMCA – 480 South 3rd Street
Clinton, Iowa 52732

IMPACT7G

APPENDIX F

Environmental Management Services of Iowa Report

Asbestos Inspection Report

SUBMITTED TO:

City of Clinton
P. O. Box 2958
Clinton, IA 52733-2958

Asbestos Inspection

LOCATION:

Former YMCA
480 South 3rd Street
Clinton, IA 52732

Prepared By:

Environmental Management Services of Iowa, Inc.
5170 Wolff Road, #2
Dubuque, IA 52002-2563
(563) 583-0808

Environmental Management Services of Iowa, Inc. - 5170 Wolff Road, #2 - Dubuque, IA 52002-2563 - (563) 583-0808

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
1905 Building							
Basement	Southeast Room	9" X 9" floor tile (red and brown) and mastic	378	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Basement	South Restroom	cement board wall panels	36	sq. ft.	Chrysotile	25%	Non-friable
Basement	South Restroom	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	5%	Friable
Basement	Southwest Room	9" X 9" floor tile (red and brown) (under carpet)	272	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Basement	Southwest Room	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	3%	Friable
Basement	South Main Room	9" X 9" floor tile (beige with tan and brown spots)	2,300	sq. ft.	Chrysotile	2%	Non-friable
Basement	South Main Room	cement board ceiling panels	1,340	sq. ft.	Chrysotile	25%	Non-friable
Basement	South Main Room	mudded joint fittings (on fiberglass insulation)	53	MJFs	Chrysotile	3%	Friable
Basement	South Main Room	woolsfelt pipe insulation	221	ln. ft.	Chrysotile	2%-3%	Friable
Basement	South Main Room	mudded joint fittings (on woolsfelt pipe insulation)	38	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Closet (by Tunnel)	mudded joint fittings (on woolsfelt pipe insulation)	2	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Closet (by Tunnel)	woolsfelt pipe insulation	12	ln. ft.	Chrysotile	2%-3%	Friable
Basement	Closet (by Tunnel)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable
Basement	Small Office	magnesia pipe insulation	7	ln. ft.	Chrysotile	2%	Friable
Basement	Small Office	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	East Stairs	magnesia pipe insulation	1	ln. ft.	Chrysotile	2%	Friable
Basement	East Stairs	woolsfelt pipe insulation	7	ln. ft.	Chrysotile	2%-3%	Friable
Basement	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	28	sq. ft.	Chrysotile	2%	Non-friable
Basement	North Room	mudded joint fittings (on fiberglass insulation)	50	MJFs	Chrysotile	3%	Friable
Basement	Mechanical Room	vibration dampener cloth	2	dampeners	Chrysotile	50%	Friable
Basement	Mechanical Room	mudded joint fittings (on fiberglass insulation)	5	MJFs	Chrysotile	3%	Friable
Basement	Tunnel (to Boiler Room)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable
Basement	Boiler Room	mudded joint fittings (on fiberglass insulation)	45	MJFs	Chrysotile	3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Basement	Boiler Room	woolsfelt pipe insulation	80	ln. ft.	Chrysotile	2%-3%	Friable
Basement	Boiler Room	mudded joint fittings (on woolsfelt pipe insulation)	30	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Boiler Room	breeching insulation	200	sq. ft.	Amosite	10%	Friable
Basement	Boiler Room	boiler door gaskets	2	gaskets	Chrysotile	40%	Friable
First Floor	Southeast Room	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	830	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Southwest Room	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	192	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Lobby Area	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	300	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Lobby Area Southwest	mudded joint fittings (on fiberglass insulation in small chase)	3	MJFs	Chrysotile	3%	Friable
First Floor	Lobby Area Northwest	woolsfelt pipe insulation	14	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Lobby Area Northwest	mudded joint fittings (on woolsfelt pipe insulation)	1	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Lobby Area Northwest	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
First Floor	Store Room (by counter)	9" X 9" floor tile (multiple colors)	108	sq. ft.	Chrysotile	2%-5%	Non-friable
First Floor	Store Room (by counter)	woolsfelt pipe insulation	6	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Store Room (by counter)	mudded joint fittings (on woolsfelt pipe insulation)	1	ln. ft.	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Restroom and Chase	woolsfelt pipe insulation	60	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Restroom and Chase	mudded joint fittings (on woolsfelt pipe insulation)	8	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Restroom and Chase	mudded joint fittings (on fiberglass insulation)	6	MJFs	Chrysotile	3%	Friable
First Floor	Kitchenette (behind wall)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
First Floor	East Stairs	9" X 9" floor tile (beige with brown streaks) (under non-asbestos floor tile and underlayment)	180	sq. ft.	Chrysotile	5%	Non-friable
First Floor	East Entry Exterior	white caulk (on wood)	20	ln. ft.	Chrysotile	2%	Non-friable
First Floor	North Entry Exterior	white caulk (on wood)	20	ln. ft.	Chrysotile	2%	Non-friable
Second Floor	North Room	9" X 9" floor tile (beige with streaks)	1,620	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	North Room Office Storage	9" X 9" floor tile (beige with streaks)	250	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	North Hallway	9" X 9" floor tile (beige with streaks)	270	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Landing Hall	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	80	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Stairs	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	150	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Halls and Janitor's Closets	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	450	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	South Restroom	9" X 9" floor tile (beige with streaks) (under non-asbestos linoleum)	100	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	South Restroom Chase	woolsfelt pipe insulation	20	ln. ft.	Chrysotile	2%-3%	Friable
Second Floor	South Restroom Chase	mudded joint fittings (on woolsfelt pipe insulation)	11	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Second Floor	Laundry Room	9" X 9" floor tile (beige with streaks) (under non-asbestos 12" X 12" floor tile and underlayment)	50	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Large West Apartment and Closet	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	330	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Old Kitchen	9" X 9" floor tile (white with brown streaks) (on underlayment)	320	sq. ft.	Chrysotile	3%	Non-friable
Second Floor	Old Kitchen	9" X 9" floor tile (red and brown) (under 9" X 9" floor tile and underlayment) and mastic	320	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Second Floor	Room 1	linoleum (tan) (under carpet and underlayment)	210	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 2	linoleum (green) (under carpet and underlayment)	210	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 3	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Second Floor	Room 4	linoleum (gray) (under carpet and underlayment)	170	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 5	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 6	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 7	linoleum (gray) (under carpet and underlayment)	170	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	North Hall	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	280	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Stairs	9" X 9" floor tile (beige with streaks) (under non-asbestos 12" X 12" floor tile and underlayment)	110	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Lobby and Halls	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	1,000	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Room 8	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 9	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 10	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 11	linoleum (tan) (under carpet and underlayment)	150	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 12	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 13	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 14	linoleum (gray) (under carpet and underlayment)	150	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 15	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 16	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 17	linoleum (gray) (under carpet and underlayment)	180	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 18	linoleum (gray) (under carpet and underlayment)	155	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 19	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 20	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 21	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 22	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 23	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 24	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.
# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Third Floor	Room 25	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 26	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 27	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 28	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
1961 Building							
Basement	Pool Mechanical Room	heat exchanger insulation	10	sq. ft.	Amosite, Chrysotile	5%, 2%	Friable
Basement	Pool Mechanical Room	woolsfelt pipe insulation debris	10	sq. ft.	Chrysotile	2%-3%	Friable
Basement	Pool Mechanical Room	mudded joint fittings (on fiberglass insulation)	10	MJFs	Chrysotile	3%	Friable
Basement	Pool Storage	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	Pool Storage Hall	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	Locker Room and Shower Area	9" X 9" floor tile (beige with tan and brown spots) (most under carpet)	2,240	sq. ft.	Chrysotile	2%	Non-friable
Basement	Locker Room and Shower Area	cement board panel (as ceiling repair)	8	sq. ft.	Chrysotile	25%	Non-friable
Basement	Locker Room and Shower Area	woolsfelt pipe insulation	300	sq. ft.	Chrysotile	2%-3%	Friable
Basement	Locker Room and Shower Area	mudded joint fittings (on woolsfelt pipe insulation)	120	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Locker Room and Shower Area	mudded joint fittings (on fiberglass insulation)	85	MJFs	Chrysotile	3%	Friable
First Floor	Pool	cement board panels (on ceiling)	3,700	sq. ft.	Chrysotile	25%	Non-friable
First Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
First Floor	Exercise Room	mudded joint fittings (on fiberglass insulation)	7	MJFs	Chrysotile	3%	Friable
First Floor	Mechanical Room	mudded joint fittings (on fiberglass insulation)	25	MJFs	Chrysotile	3%	Friable
First Floor	Mechanical Room	mudded joint fittings (on woolsfelt pipe insulation)	13	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Mechanical Room	woolsfelt pipe insulation	33	ln. ft.	Chrysotile	2%-3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
First Floor	Mechanical Room	vibration dampener cloth	9	dampeners	Chrysotile	50%	Friable
First Floor	Handball Hall	9" X 9" floor tile (beige with tan and brown spots)	420	sq. ft.	Chrysotile	2%	Non-friable
First Floor	North Stairs	9" X 9" floor tile (beige with tan and brown spots)	200	sq. ft.	Chrysotile	2%	Non-friable
First Floor	East Stairs	mudded joint fittings (on fiberglass insulation)	1	MJFs	Chrysotile	3%	Friable
Second Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Stairs	9" X 9" floor tile (beige with tan and brown spots)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Handball Balcony	9" X 9" floor tile (beige with tan and brown spots)	420	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Hall	9" X 9" floor tile (beige with tan and brown spots)	350	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Hall	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	5%	Friable
Second Floor	Gym Office and Entry	9" X 9" floor tile (beige with tan and brown spots)	153	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	South Hall	9" X 9" floor tile (beige with tan and brown spots)	90	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Gymnasium	mudded joint fittings (on fiberglass insulation)	11	MJFs	Chrysotile	3%	Non-friable
Third Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
Roof	Lower Roof	built up roof flashings (under newer roofing)	220	ln. ft.	Chrysotile	2%	Non-friable
Roof	Upper Roof	built up roof flashings (under newer roofing)	300	ln. ft.	Chrysotile	3%	Non-friable
1978 Building							
First Floor	Southeast Lobby and Hall	12" X 12" floor tile (white with brown streaks) and mastic	800	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	East Stairs	12" X 12" floor tile (white with brown streaks) and mastic	32	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	West Central Locker Room Area	12" X 12" floor tile (white with brown streaks) and mastic (most under carpet or ceramic tile)	1,530	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	Pool	cement board panels	132	sq. ft.	Chrysotile	25%	Non-friable
Second Floor	Handball Hall	12" X 12" floor tile (white with brown streaks) and mastic	120	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	Main Hall and Janitor's Closet	12" X 12" floor tile (white with brown streaks) and mastic	290	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Second Floor	West Office	12" X 12" floor tile (white with brown streaks) and mastic	165	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	East Office	12" X 12" floor tile (white with brown streaks) and mastic (under carpet)	155	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	Gymnasium Drinking Fountain	12" X 12" floor tile (white with brown streaks) and mastic	10	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Third Floor	Hallway	12" X 12" floor tile (white with brown streaks) and mastic	185	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Roof	Upper Roof	built up roof flashings (under newer roofing)	360	ln. ft.	Chrysotile	10%	Non-friable
Roof	Lower Roof	built up roof flashings (under newer roofing)	225	ln. ft.	Chrysotile	10%	Non-friable

DEFINITIONS:
Friable = easily crumbled / can be crumbled, pulverized, or reduced to powder by the pressure of an ordinary human hand
Non-friable = cannot be pulverized under hand pressure

All other discovered suspect materials not listed above were also sampled and analyzed, and do not contain asbestos.
Please see the Bulk Sample Results.



Jeff Stahr, Inspector

21-5440
State of Iowa
Asbestos Inspector License #

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.
# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE

NOTES:

To keep disturbance to building materials and damage to property minimum, a limited number of spot checks were done to visualize suspect asbestos materials and collect necessary samples for testing. Therefore, suspect asbestos materials may be hidden and may be uncovered during the renovation and/or demolition processes.

Local and State regulations may require asbestos containing materials to be removed by a licensed asbestos abatement contractor. An Asbestos Notification and fee may be required to be submitted to the appropriate government agencies either ten calendar days or ten working days (depending on the type and amount of asbestos being removed) prior to starting asbestos work.

A renovation project when there is still asbestos present in a structure, may require a Renovation Notification and fee to be submitted to the appropriate government agencies ten working days prior to starting renovation work.

A demolition project, which includes the removal of any load bearing walls and/or complete demolition of a structure, may require a Demolition Notification and fee to be submitted to the appropriate government agencies ten working days prior to starting demolition work.

Materials with less than 1% asbestos content are not required to be removed by a licensed asbestos abatement contractor. However, these materials are still to be handled by following proper regulations and safe work practices. The building owner may still opt to have a licensed asbestos abatement contractor remove this type of material.

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

OrderID: 162104126

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

04126

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-19-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 S. 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc. (317) 803-2997 FAX: (317) 803-3047
2001 East 52nd Street Main Office: 1-800-220-3675
Indianapolis, IN 46205

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-18-21	48053-01	Pool Filter Room	Heatexchanger Mag Ins.	5% Amosite 2% chrysotile
2-18-21	48053-02	Pool Filter Room	Mudded fitting	2% chrysotile (C)
2-18-21	48053-03	Pool Filter Room	Woolsfelt pipe ins.	2% C
2-18-21	48053-04	Boiler Room	Mud on breeching	10% Amosite
2-18-21	48053-05	Boiler Room	mudded fitting	3% C
2-18-21	48053-06	Boiler Room	Woolsfelt pipe ins.	3% C
2-18-21	48053-07	Basement Near S. Storage	mudded joint fitting	3% C
2-18-21	48053-08	Basement Stair landing	Woolsfelt pipe ins.	2%
2-18-21	48053-09	1st floor Restroom Chase	mudded joint fitting	<1% Amosite 2% chr
2-18-21	48053-10	1st floor Restroom Chase	Woolsfelt pipe ins.	2% C
2-18-21	48053-11	Basement Stair landing	Mag pipe ins.	2% C
2-18-21	48053-12	Basement SE Room	9x9 Floor tile	3% / 3%
2-18-21	48053-13	Basement SE Room	9x9 Floor tile	3% / 3%
2-18-21	48053-14	Main BSMT area - South	9x9 Floor tile	2% / ND
2-18-21	48053-15	Main BSMT area South-West Side	Cement board ceiling	25% C
2-18-21	48053-16	Basement near S. Storage	Ceiling Tile	<1%
2-18-21	48053-17	Basement near Coal room	Ceiling Tile	
2-18-21	48053-18	Basement SE Room	Dry wall, mud + pc Texture	
2-18-21	48053-19	Basement RR	Plaster	
2-18-21	48053-20	Basement RR	Linoleum	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air

OrderID: 162104126

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

04126

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-19-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 S. 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-18-21	48053-21	Bsmt Weight Room	Drywall mud pc Texture	
2-18-21	48053-22	Bsmt Elevator Lobby	popcorn ceiling Texture	
2-18-21	48053-23	Bsmt Elevator Lobby	Ceiling Tile	
2-18-21	48053-24	Bsmt Former Restroom	Ceramic wall Tile, Grout + Adh	
2-18-21	48053-25	Bsmt Stairs	Vinyl stair Tred	
2-18-21	48053-26	North Basement	popcorn ceiling Texture	
2-18-21	48053-27	North Basement	popcorn Ceiling Texture	
2-18-21	48053-28	North Basement	popcorn ceiling Texture	
2-18-21	48053-29	North Basement Air Handler	Vibration Cloth	50% c
2-18-21	48053-30	Bsmt Former Restroom	Quarry tile, Grout + Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day AM
Telephone

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Project: 480 South 3rd St Clinton IA

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 03/04/2021 10:15 AM
Analysis Date: 03/05/2021
Collected Date: 02/18/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
480S3-01 *162104126-0001*	Pool Filter Room - Heat Exchanger Mag Ins.	White Non-Fibrous Homogeneous		93% Non-fibrous (Other)	5% Amosite 2% Chrysotile
480S3-02 *162104126-0002*	Pool Filter Room - Mudded Fitting	Gray Fibrous Homogeneous	5% Synthetic 30% Min. Wool	63% Non-fibrous (Other)	2% Chrysotile
480S3-03-Insulation *162104126-0003*	Pool Filter Room - Woolsfelt Pipe Ins.	Gray Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile
480S3-03-Paper *162104126-0003A*	Pool Filter Room - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
480S3-04 *162104126-0004*	Boiler Room - Mud on Breeching	Gray/White Fibrous Homogeneous		90% Non-fibrous (Other)	10% Amosite
480S3-05 *162104126-0005*	Boiler Room - Mudded Fitting	Gray Fibrous Homogeneous	40% Min. Wool	57% Non-fibrous (Other)	3% Chrysotile
480S3-06-Insulation *162104126-0006*	Boiler Room - Woolsfelt Pipe Ins.	Brown/Gray Fibrous Homogeneous	95% Cellulose	2% Non-fibrous (Other)	3% Chrysotile
480S3-06-Paper *162104126-0006A*	Boiler Room - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
480S3-07 *162104126-0007*	Basement near S. Storage - Mudded Joint Fitting	Gray Fibrous Homogeneous	40% Min. Wool	57% Non-fibrous (Other)	3% Chrysotile
480S3-08-Wrap *162104126-0008*	Basement Stair Landing - Woolsfelt Pipe Ins.	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
480S3-08-Felt *162104126-0008A*	Basement Stair Landing - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-08-Insulation *162104126-0008B*	Basement Stair Landing - Woolsfelt Pipe Ins.	Gray/Black Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile
480S3-09 *162104126-0009*	1st Floor Restroom Chase - Mudded Joint Fitting	Gray Fibrous Homogeneous	30% Min. Wool	68% Non-fibrous (Other)	<1% Amosite 2% Chrysotile
480S3-10-Wrap *162104126-0010*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
480S3-10-Felt *162104126-0010A*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-10-Insulation *162104126-0010B*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Brown/Gray Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile

Initial report from: 03/05/2021 12:59:01

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480S3-10-Felt *162104126-0010C*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-11 *162104126-0011*	Basement Stair Landing - Mag Pipe Ins.	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
480S3-12-Floor Tile *162104126-0012*	Basement SE Room - 9x9 Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-12-Mastic *162104126-0012A*	Basement SE Room - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-13-Floor Tile *162104126-0013*	Basement SE Room - 9x9 Floor Tile	Red Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-13-Mastic *162104126-0013A*	Basement SE Room - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-14-Mastic *162104126-0014*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Yellow/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-14-Floor Tile *162104126-0014A*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
480S3-14-Mastic *162104126-0014B*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-15 *162104126-0015*	Main Bsmt Area South-side - Cementboard Ceiling	Gray Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
480S3-16 *162104126-0016*	Basement near S. Storage - Ceiling Tile	Gray/White Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (Other)	<1% Chrysotile
480S3-17 *162104126-0017*	Basement near Coat Room - Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 15% Min. Wool	20% Perlite 5% Non-fibrous (Other)	None Detected
480S3-18-Drywall *162104126-0018*	Basement SE Room - Drywall, Mud + PC Texture	Brown/White Fibrous Heterogeneous	20% Cellulose	70% Gypsum 10% Non-fibrous (Other)	None Detected
480S3-18-Joint Compound *162104126-0018A*	Basement SE Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-18-Texture *162104126-0018B*	Basement SE Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-19-Finish Coat *162104126-0019*	Basement RR - Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-19-Base Coat *162104126-0019A*	Basement RR - Plaster	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-20-Linoleum *162104126-0020*	Basement RR - Linoleum	Tan/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

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EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
480S3-20-Mastic *162104126-0020A*	Basement RR - Linoleum	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-21 *162104126-0021*	Bsmt Weight Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Drywall *162104126-0022*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	Brown/White Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Joint Compound *162104126-0022A*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Texture *162104126-0022B*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-23 *162104126-0023*	Bsmt Elevator Lobby - Ceiling Tile	White Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
480S3-24-Ceramic Tile *162104126-0024*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Grout *162104126-0024A*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Adhesive *162104126-0024B*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Bedding *162104126-0024C*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-25 *162104126-0025*	Bsmt Stairs - Vinyl Stair Tread	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-26 *162104126-0026*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-27 *162104126-0027*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-28 *162104126-0028*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-29 *162104126-0029*	North Basement Air Handler - Vibration Cloth	Gray Fibrous Homogeneous	40% Synthetic	10% Non-fibrous (Other)	50% Chrysotile
480S3-30-Ceramic Tile *162104126-0030*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-30-Grout *162104126-0030A*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected

Initial report from: 03/05/2021 12:59:01

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EMSL Order:	162104126
Customer ID:	CFME50
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Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480S3-30-Adhesive *162104126-0030B*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Amanda Straw (52)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 03/05/2021 12:59:01

OrderID: 162103526

...RONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-23-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-22-21	48053-31	3rd floor 78 Bldg Entry to Running Track	Ceiling Tile	
2-22-21	48053-32	Basement 1962 Locker Rooms (central)	Linoleum	
2-22-21	48053-33	South Locker Room	Floor tile	
2-22-21	48053-34	South Locker Room	Floor tile	
2-22-21	48053-35	South Locker Room	Floor tile	
2-22-21	48053-36	Stairs to N. Locker Room	Ceiling tile	
2-22-21	48053-37	North locker Room	Ceiling Tile	
2-22-21	48053-38	Central Locker Room	Ceiling Tile	
2-22-21	48053-39	Central Locker Room	Ceiling Tile	
2-22-21	48053-40	Shower Chase	mudded fitting	2% Anosite 3% chrysotile
2-22-21	48053-41	Shower Threshhold	Quarry tile, Grout & Adhesive	
2-22-21	48053-42	1st flor SE Room	Ceiling Tile	
2-22-21	48053-43	Lobby Area at SE Room	Drywall mud	
2-22-21	48053-44	South Lobby	Plaster	
2-22-21	48053-45	SE Room	Floor tile	5%/ND
2-22-21	48053-46	SE Room	Linoleum	
2-22-21	48053-47	East Stairs	Floor tile	
2-22-21	48053-48	East Stairs	Floor tile	
2-22-21	48053-49	East Stairs	Floor tile	
2-22-21	48053-50	East Stairs	Drywall with panel Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day Air
(circle one)

OrderID: 162103526

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

162103526

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-23-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-22-21	48053-51	1st Floor N. Lobby Area	Floor tile	
2-22-21	48053-52	N. Lobby Area	Floor tile	
2-22-21	48053-53	Storeroom behind counter	Floor tile	2%/ND
2-22-21	48053-54	Old Kitchen (Sprayed on)	Linoleum	
2-22-21	48053-55	North Room	Ceiling Tile	
2-22-21	48053-56	Room North of old Kitchen	Ceiling Tile	
2-22-21	48053-57	1st floor - 78 Bldg Locker Room Lobby	Floor tile	2%/2%
2-22-21	48053-58	SW Room under Carpet	Linoleum	
2-22-21	48053-59	SW Room	Ceiling Tile	
2-22-21	48053-60	Pool Area	Quarry Tile	
2-22-21	48053-61	2nd floor Gym - on conc.	Felt Layers	
2-22-21	48053-62	3rd floor Running Track	Linoleum	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air
circle one

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103526
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/22/2021

Project: (OLD YMCA) 480 SOUTH 3RD ST. CLINTON IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-31 *162103526-0001*	3RD FLOOR 78 BUILDING ENTRY TO RUNNING TRACK - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-32-Linoleum *162103526-0002*	BASEMENT 1962 LOCKER ROOMS (CENTRAL) - LINOLEUM	Tan Fibrous Heterogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected
48053-32-Mastic *162103526-0002A*	BASEMENT 1962 LOCKER ROOMS (CENTRAL) - LINOLEUM	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-33-Floor Tile *162103526-0003*	SOUTH LOCKER ROOM - FLOOR TILE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-33-Mastic *162103526-0003A*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-34-Floor Tile *162103526-0004*	SOUTH LOCKER ROOM - FLOOR TILE	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-34-Mastic *162103526-0004A*	SOUTH LOCKER ROOM - FLOOR TILE	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Floor Tile *162103526-0005*	SOUTH LOCKER ROOM - FLOOR TILE	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Mastic *162103526-0005A*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Mastic *162103526-0005B*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-36 *162103526-0006*	STAIRS TO N LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-37 *162103526-0007*	NORTH LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-38 *162103526-0008*	CENTRAL LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-39 *162103526-0009*	CENTRAL LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	30% Cellulose 60% Min. Wool	10% Non-fibrous (Other)	None Detected
48053-40 *162103526-0010*	SHOWER CHASE - MUDDED FITTING	Gray Fibrous Homogeneous	50% Min. Wool	45% Non-fibrous (Other)	2% Amosite 3% Chrysotile

Initial report from: 02/26/2021 09:44:30

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6340 CastlePlace Dr. Indianapolis, IN 46250
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http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order:	162103526
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-41-Ceramic Tile *162103526-0011*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-41-Grout *162103526-0011A*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-41-Adhesive *162103526-0011B*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-42 *162103526-0012*	1ST FLOOR SE ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-43 *162103526-0013*	LOBBY AREA AT SE ROOM - DRYWALL MUD	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-44 *162103526-0014*	SOUTH LOBBY - PLASTER	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-45-Floor Tile *162103526-0015*	SE ROOM - FLOOR TILE	Brown Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
48053-45-Mastic *162103526-0015A*	SE ROOM - FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-46 *162103526-0016*	SE ROOM - LINOLEUM	Brown/Black Fibrous Heterogeneous	40% Cellulose 10% Synthetic	50% Non-fibrous (Other)	None Detected
48053-47-Floor Tile *162103526-0017*	EAST STAIRS - FLOOR TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-47-Mastic *162103526-0017A*	EAST STAIRS - FLOOR TILE	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-48-Floor Tile *162103526-0018*	EAST STAIRS - FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-48-Mastic *162103526-0018A*	EAST STAIRS - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-49-Floor Tile *162103526-0019*	EAST STAIRS - FLOOR TILE	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-49-Mastic *162103526-0019A*	EAST STAIRS - FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-50-Drywall *162103526-0020*	EAST STAIRS - DRYWALL WITH PANEL ADHESIVE	Brown/White Fibrous Heterogeneous	25% Cellulose	70% Gypsum 5% Non-fibrous (Other)	None Detected
48053-50-Adhesive *162103526-0020A*	EAST STAIRS - DRYWALL WITH PANEL ADHESIVE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	162103526
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-51-Floor Tile *162103526-0021*	1ST FLOOR N. LOBBY AREA - FLOOR TILE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-51-Mastic *162103526-0021A*	1ST FLOOR N. LOBBY AREA - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-52-Floor Tile *162103526-0022*	N. LOBBY AREA - FLOOR TILE	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-52-Mastic *162103526-0022A*	N. LOBBY AREA - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-53-Floor Tile *162103526-0023*	STORE ROOM BEHIND COUNTER - FLOOR TILE	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-53-Mastic *162103526-0023A*	STORE ROOM BEHIND COUNTER - FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-54 *162103526-0024*	OLD KITCHEN (SPRAYED ON) - LINOLEUM	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-55 *162103526-0025*	NORTH ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-56 *162103526-0026*	ROOM NORTH OF OLD KITCHEN - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-57-Floor Tile *162103526-0027*	1ST FLOOR - 78 BLDG LOCKER ROOM LOBBY - FLOOR TILE	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-57-Mastic *162103526-0027A*	1ST FLOOR - 78 BLDG LOCKER ROOM LOBBY - FLOOR TILE	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-58 *162103526-0028*	SW ROOM UNDER CARPET - LINOLEUM	Gray Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
48053-59 *162103526-0029*	SW ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-60-Ceramic Tile *162103526-0030*	POOL AREA - QUARRY TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-60-Mortar *162103526-0030A*	POOL AREA - QUARRY TILE	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-61 *162103526-0031*	2ND FLOOR GYM - ON CONR. - FELT LAYERS	Black Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-62-Linoleum *162103526-0032*	3RD FLOOR RUNNING TRACK - LINOLEUM	Tan/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
48053-62-Mastic *162103526-0032A*	3RD FLOOR RUNNING TRACK - LINOLEUM	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/26/2021 09:44:30

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EMSL Order:	162103526
Customer ID:	CFME50
Customer PO:	
Project ID:	

Analyst(s)
Craig Nixon (50)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 09:44:30

OrderID: 162103537

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

03537

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-24-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St. Clinton IA, PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-23-21	48053-63	Exterior NE Entry	Caulk-White with dirt	2% C
2-23-21	48053-64	East Bsmt Window	Gray Caulk	
2-23-21	48053-65	2nd floor - 1905 Stairs East	Floortile	
2-23-21	48053-66	Storage Room	Drywall mud	
2-23-21	48053-67	Restroom South	Linoleum	
2-23-21	48053-68	Restroom South	Plaster	
2-23-21	48053-69	Room 1	Linoleum	2% / NA
2-23-21	48053-76	Room 2	Linoleum	2%
2-23-21	48053-71	Room 3	Linoleum	2%
2-23-21	48053-72	North Hall	Ceiling Tile	
2-23-21	48053-73	Kitchen	Floortile	3% / NA
2-23-21	48053-74	North Restroom	Floortile	
2-23-21	48053-75	1905 - 2nd floor North Room	Floortile	3% / NA
2-23-21	48053-76	1905 2nd floor North Room	Ceiling tile	
2-23-21	48053-77	1905 3rd floor Room 16	Drywall mud	
2-23-21	48053-78	Room 18	Ceiling Tile	
2-23-21	48053-79	Room 13	Plaster / Texture?	<1% / NA
2-23-21	48053-80	Restroom	Ceiling Tile	
2-23-21	48053-81	Restroom	Quarry tile-Grout + Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day Air
(circle one)

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
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http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103537
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/24/2021

Project: (Old YMCA) 480 South 3rd Street Clinton IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-63 *162103537-0001*	Exterior NE Entry - Caulk, White with Dirt	Gray/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-64 *162103537-0002*	East Bsmt Window - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-65-Floor Tile *162103537-0003*	2nd Floor - 1905 Stairs East - Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-65-Mastic *162103537-0003A*	2nd Floor - 1905 Stairs East - Floor Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-66 *162103537-0004*	Storage Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-67-Linoleum *162103537-0005*	Restroom South - Linoleum	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-67-Backing *162103537-0005A*	Restroom South - Linoleum	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-68-Finish Coat *162103537-0006*	Restroom South - Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-68-Base Coat *162103537-0006A*	Restroom South - Plaster	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-69-Linoleum *162103537-0007*	Room 1 - Linoleum	Gray/Black Fibrous Homogeneous	20% Cellulose	78% Non-fibrous (Other)	2% Chrysotile
48053-69-Backing *162103537-0007A*	Room 1 - Linoleum	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-70 *162103537-0008*	Room 2 - Linoleum	Black/Green Fibrous Homogeneous	15% Cellulose	83% Non-fibrous (Other)	2% Chrysotile
48053-71 *162103537-0009*	Room 3 - Linoleum	Gray/Black Fibrous Homogeneous	20% Cellulose	78% Non-fibrous (Other)	2% Chrysotile
48053-72 *162103537-0010*	North Hall - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-73-Floor Tile *162103537-0011*	Kitchen - Floor Tile	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
48053-73-Mastic *162103537-0011A*	Kitchen - Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/26/2021 12:25:41

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EMSL Order:	162103537
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-74-Floor Tile *162103537-0012*	North Restroom - Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-74-Mastic *162103537-0012A*	North Restroom - Floor Tile	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-75-Floor Tile *162103537-0013*	1905 2nd Floor North Room - Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
48053-75-Mastic *162103537-0013A*	1905 2nd Floor North Room - Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-76 *162103537-0014*	1905 2nd Floor North Room - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-77 *162103537-0015*	1905 3rd Floor Room 16 - Drywall Mud	White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
48053-78 *162103537-0016*	Room 18 - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-79-Texture *162103537-0017*	Room 13 - Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
48053-79-Plaster *162103537-0017A*	Room 13 - Plaster	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
48053-80 *162103537-0018*	Restroom - Ceiling Tile	Brown/White Fibrous Heterogeneous	30% Cellulose	60% Gypsum 10% Non-fibrous (Other)	None Detected
48053-81-Tile *162103537-0019*	Restroom - Quarry Tile - Grout + Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-81-Grout *162103537-0019A*	Restroom - Quarry Tile - Grout + Adhesive	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
48053-81-Adhesive *162103537-0019B*	Restroom - Quarry Tile - Grout + Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Shannon Clegg (29)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 12:25:41

OrderID: 162103520

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-24-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-24-21	48053-82	Tilt up Conc. joints	Gray Caulk	
2-24-21	48053-83	Base of Tilt up Conc.	Black Tar	
2-24-21	48053-84	Brick joints	white Caulk	
2-24-21	48053-85	Boiler Room Alum. Wind.	Glazing	
2-24-21	48053-86	1905 Building Window open.	Aggregate Panels	
2-24-21	48053-87	1962 Roof Field	Built up roof layers	
2-24-21	48053-88	1962 Roof Flashings	Built up roof layers	3%
2-24-21	48053-89	1978 Roof Field	Built up roof layers	
2-24-21	48053-90	1978 Roof Flashings	Built up roof layers	10%
2-24-21	48053-91	1978 Lower Roof Field	Built up roof layers	
2-24-21	48053-92	1978 Lower Roof Flashings	Built up roof layers	2%
2-24-21	48053-93	1978 Lower Roof New Flashings	Black Tar	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air
circle one

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103520
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Project: 480 S 3RD ST CLINTON IA

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/24/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-82 *162103520-0001*	TILT UP CONC. JOINTS - GRAY CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-83 *162103520-0002*	BASE OF TILT UP CONC. - BLACK TAR	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-84 *162103520-0003*	BRICK JOINTS - WHITE CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-85 *162103520-0004*	BOILER ROOM ALUM. WIND. - GLAZING	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-86 *162103520-0005*	1905 BUILDING WINDOW OPEN. - AGGREGATE PANELS	Gray Non-Fibrous Homogeneous	<1% Glass	15% Quartz 85% Non-fibrous (Other)	None Detected
48053-87 *162103520-0006*	1962 ROOF FIELD - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
48053-88 *162103520-0007*	1962 ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	72% Non-fibrous (Other)	3% Chrysotile
48053-89 *162103520-0008*	1978 ROOF FIELD - BUILT UP ROOF LAYERS	Black/Yellow Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
48053-90 *162103520-0009*	1978 ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	20% Cellulose	70% Non-fibrous (Other)	10% Chrysotile
48053-91 *162103520-0010*	1978 LOWER ROOF FIELD - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
48053-92 *162103520-0011*	1978 LOWER ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	73% Non-fibrous (Other)	2% Chrysotile
48053-93 *162103520-0012*	1978 LOWER ROOF NEW FLASHINGS - BLACK TAR	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/26/2021 08:11:52

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order:	162103520
Customer ID:	CFME50
Customer PO:	
Project ID:	

Analyst(s)
Craig Nixon (12)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 08:11:52

OrderID: 162104263

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

04263

BULK SAMPLE ANALYSIS REQUEST

DATE: 3-3-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
3-2-21	48053-94	Boiler Room T6	mudded fitting	5% chry
3-2-21	48053-95	Boiler Room-Boiler 1	Door gasket	40% chy.
3-2-21	48053-96	Boiler Room Boiler door - refractory cement		ND
3-2-21	48053-97	1905 Basement-SE Chase T6	mudded fittings	5% Am. 10% chry
3-2-21	48053-98	1905 1st floor Restroom T6	mudded fittings	2% amo 5% chry

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

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EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104263
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 03/05/2021 10:40 AM
Analysis Date: 03/05/2021
Collected Date: 03/02/2021

Project: (Old YMCA) 480 South 3rd St., Clinton, IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
480S3-94 *162104263-0001*	Boiler Room T6 - Mudded Fitting	Gray Fibrous Homogeneous	60% Min. Wool	35% Non-fibrous (Other)	5% Chrysotile
480S3-95 *162104263-0002*	Boiler Room-Boiler 1 - Door Gasket	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Non-fibrous (Other)	40% Chrysotile
480S3-96 *162104263-0003*	Boiler Room Boiler Door - Refractory Cement	Tan Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-97 *162104263-0004*	1905 Basement SE Chase T6 - Mudded Fittings	Gray Fibrous Homogeneous	30% Min. Wool	55% Non-fibrous (Other)	5% Amosite 10% Chrysotile
480S3-98 *162104263-0005*	1905 1st Floor Restroom T6 - Mudded Fittings	Gray Fibrous Homogeneous	80% Min. Wool	13% Non-fibrous (Other)	2% Amosite 5% Chrysotile

Analyst(s)
Ross Matlock (5)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

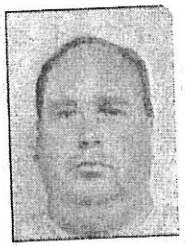
Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 03/05/2021 12:42:29

JEFF STAHR

DOB: 01-02-1965

Issued: 01-06-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5440	12-29-2021
SUPERVISOR	20-3852	01-27-2021

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

APPENDIX G

Terracon Report

Asbestos and Lead-Based Paint Survey Report

Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa

January 21, 2022

Terracon Project No. 07207086; Task 18



Prepared for:

East Central Intergovernmental Association (ECIA)
7600 Commerce Drive
Dubuque, Iowa
&
The City of Clinton, Iowa
611 South 3rd Street
Clinton, Iowa

Prepared by:

Terracon Consultants, Inc.
Bettendorf, Iowa

January 21, 2022

East Central Intergovernmental Association
7600 Commerce Park
Dubuque, Iowa 52002-9673

Attn: Ms. Dawn Danielson
P: (563) 690-5772
E: ddanielson@ecia.org

Re: Asbestos and Lead-Based Paint Survey Report
Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa 52732
Terracon Project No. 07207086; Task 18
Brownfields Assessment Grant: BF97782001

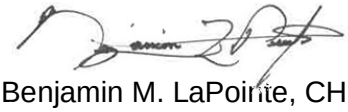
Dear Ms. Danielson:

Terracon Consultants, Inc. (Terracon) is pleased to submit the attached report for the above-referenced site to East Central Intergovernmental Association (ECIA). The purpose of this report is to present the results of the asbestos and lead-based paint sampling survey conducted on October 20, 21, 22, 28, and November 1, 2021. Terracon revisited the site in January 13 and 14, 2022 to further quantify materials and to collect additional confirmatory samples. The assessment was conducted in accordance with the Standard Consultant Contract *for Qualified Environmental Professional (QEP) Consultant Contract, ECIA Brownfield Coalition* dated December 3, 2020, and the Notice to Proceed Asbestos Inspection on 480 South 3rd street, Clinton, dated October 14, 2021. The survey was requested to identify asbestos-containing materials (ACMs) in the buildings located at 480 South 3rd Street Clinton, Iowa.

Asbestos was identified in the samples submitted for laboratory analysis and lead-based paint was identified in sample locations from the building. Please refer to the attached report for additional information.

Terracon appreciates the opportunity to provide this service to the ECIA and the City of Clinton, Iowa. If you have questions regarding this report, please contact James at 563-468-4271.

Sincerely,
Terracon Consultants, Inc.



Benjamin M. LaPointe, CHMM
Environmental Department Manager



James R. Baxter
Environmental Group Manager

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Confirmed LBP Photo Log

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Exhibit 5 - Confirmed ACM Location Map - 1905/1978 Buildings Third Floor

Exhibit 6 – Confirmed ACM Location Map – 1961 Building Second Floor Mechanical Room
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Exhibit 10 - ACM Sample Location Map – 1961/1978 Sub-Level (Locker Rooms and Pools)
Exhibit 11 - ACM Sample Location Map – 1905/1961/1978 Buildings Second Floor
Exhibit 12 - ACM Sample Location Map – 1905/1978 Buildings Third Floor
Exhibit 13 - ACM Sample Location Map – 1961 Building Second Floor Mechanical Room
Exhibit 14 - ACM Sample Location Map – Building Roofs
Exhibit 15 – Confirmed LBP Location Map – 1905 Building Main Level
Exhibit 16 - Confirmed LBP Location Map – 1961/1978 Sub-Level (Locker Rooms and Pools)
Exhibit 17 - Confirmed ACM Location Map – 1905/1961/1978 Buildings Second Floor

APPENDIX F PREVIOUS INSPECTION REPORT

ASBESTOS AND LEAD-BASED PAINT SURVEY REPORT
Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa 52732
Terracon Project No. 07217086; Task T18

January 21, 2022

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos and lead-based paint (LBP) survey of the former Young Men's Christian Association (YMCA) building located at 480 South 3rd Street, Clinton, Clinton County, Iowa for East Central Intergovernmental Association (ECIA). The survey was conducted on October 20, 21, 22, 28, and November 1, 2021, in general accordance with the Standard Consultant Contract *For Qualified Environmental Professional (QEP) Consultant Contract, ECIA Brownfield Coalition* (The Agreement) dated December 3, 2020, the Asbestos and Lead Sampling and Analysis Plan dated September 8, 2021 (the SAP), and the Notice to Proceed dated October 14, 2021. Terracon revisited the site in January 13 and 14, 2022 to further quantify materials and to collect additional confirmatory samples. We understand the survey was requested in anticipation of future renovation or demolition of the building.

The scope of Terracon's services included the following:

- Locate, sample, quantify, and assess suspect building materials for the presence of asbestos,
- Locate and measure/sample surface coatings (i.e., paint) for the presence of lead-based paint (LBP); and,
- Completion of this survey report.

Suspect asbestos containing materials (ACM) samples were collected in general accordance with the sampling protocols outlined in US Environmental Protection Agency (USEPA) regulation 40 Code of Federal Regulations (CFR) Part 763-Asbestos, Subpart E-Asbestos-Containing Materials in Schools (40 CFR 763; known as the Asbestos Hazard Emergency Response Act, [AHERA]) and Terracon's Sampling and Analysis Plan and delivered to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory for analysis by polarized light microscopy (PLM).

The LBP survey was conducted concurrently with the ACM survey. Surface coatings on building components (i.e., paint, ceramic tile, varnish, etc.) were assessed for lead content using a direct-reading x-ray fluorescence (XRF) analyzer.

1.1 Project Objectives

We understand the asbestos survey was requested in support of the planned renovation and/or demolition of the building to satisfy requirements of the USEPA 40 CFR Part 61, Subpart M, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Terracon also understands that the intent of the assessment is to assist the client with communicating the presence, location, and quantity of ACM to employees, vendors, and contractors working in the building in order to meet the requirements of the Occupational Safety and Health Administration (OSHA) communication of hazard requirements found at 29 CFR 1926.1101. The purpose of this survey was to sample and identify suspect ACM and provide information regarding the identity, location, condition, and approximate quantities of ACM in the building.

Paint sampling was conducted to identify lead containing paints on painted components of the building. The findings of the lead containing paints survey as discussed in this report can be used to assist demolition/renovation contractors prepare appropriate safety plans for worker protection and design work plans as required for environmental protection, material handling, and waste disposal during demolition and/or renovation of the building.

1.2 Project Deviations

It should be noted that the City of Clinton, Iowa provided Terracon with an “Asbestos Inspection Report”, conducted by Environmental Management Services of Iowa, Inc. (EMS), (the EMS Report) sometime after receiving authorization to proceed with the survey and prior to Terracon’s mobilization. The City of Clinton, Iowa asked Terracon to utilize the EMS Report to aid in the survey activities. Utilizing the EMS Report to the best of our understanding/capabilities, Terracon collected additional confirmatory samples of materials reported as positive (less than or equal to 6% asbestos) and negative (none detected) by EMS. Terracon applied SAP protocols for point-count methodologies for sample analyses on materials reported by EMS, as warranted. Additionally, Terracon collected bulk samples of materials that appeared to have been not included in the EMS Report. A copy of this EMS Report is included as Appendix F. Please see section 3.1.3 for additional information and discussion of the sampling methodologies for previously assessed materials.

The following areas were either inaccessible and thus were not sampled or had limited access for sampling:

- Covered walkway that runs across the alley to the north;
- Elevators / elevator equipment;
- Electrical equipment;
- Tunnel spaces that had standing water, preventing visual access for additional pits, pumps, or other equipment;
- Subsurface materials / equipment;
- Pipe flanges and associated gasketing.

A positive stop method regarding point-count samples was conducted (i.e., duplicate point-count analysis was not conducted on homogeneous areas (HAs) confirmed positive via point count). Positive stop for point-count samples was conducted based on cost limitations of point-count samples and that asbestos is assumed to be present throughout a HA given any confirmed positive analysis. Therefore, further analysis is not required to determine whether the material is asbestos containing after a point-count analysis confirms asbestos content of a material. Since duplicate analysis of positive point-count samples was not conducted, relative percent difference (RPD) evaluation was conducted only for polarized light microscopy (PLM) analysis of each HA sampled. As discussed in the SAP, asbestos content of HAs are known to have variance in both the material and via the laboratory technician's determinations conducting PLM analysis. Therefore, duplicate sampling cannot be relied upon as a measure of precision of PLM analysis. However, data variance of PLM analysis is typical the material types of each HA identified. Therefore, HAs identified in the field, based on type, texture, color, use and other distinctive features, are presumed valid and representative building materials observed.

1.3 Reliance

This report is for the exclusive use of ECIA and the City of Clinton, Iowa for the project being discussed. Reliance by other parties on this report is prohibited without written authorization of Terracon and ECIA. Reliance on this report by ECIA, the City of Clinton, Iowa, and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and the Standard Consultant Contract. The limitations of liability defined in The Agreement is the aggregate limit of Terracon's liability to ECIA.

2.0 SITE DESCRIPTION

Based on information obtained from the Clinton County Assessor's Office[1], the original multi-story site building was constructed circa 1905, with reported additions in 1960 and 1978. The following table provides a summary of pertinent building information and construction information such as structure and finishes used within the Building(s).

[1] Posted at: https://clintoncity.iowaassessors.com/parcel.php?gid=260951.

Table A. YMCA Building Description and Information

Building Description and Information				
Building Use	Former YMCA and living space; currently unoccupied			
Owned/Leased	Owned by the City of Clinton, Iowa			
Building Square Footage	Approximately 70,000 square feet (SF)		Number of Floors	3
Construction Date	Circa 1905, additions in 1961 and 1978		Renovation Date(s)	Unknown
Basement:	Partial basement: 8,000 SF		Tunnels: Yes	Attic: No
Building Construction				
Main Structure	Brick / Concrete			
Flooring Structure	Concrete			
Flooring Finishes	Terrazzo, vinyl floor tile, concrete, carpeting			
Exterior Walls	Brick, block and limestone walls			
Interior Wall Finishes	Plaster, drywall, glazed block,			
Roof Type	Rubber membrane / concrete deck (built-up roofing underneath some membranes)			
Ceilings	Lower:	Plaster, cement board, acoustical	Upper:	Concrete
HVAC* Equipment	Hot water / boiler, central air; roof mounted units (RTUs)			

*HVAC – Heating, Ventilation and Air Conditioning

The building is currently unoccupied and in poor condition at the time of the inspection. Trash and debris were observed throughout the building including furniture, appliances, and miscellaneous building material. Significant water and structural damage were observed throughout the building at the time of the site reconnaissance. During Terracon's return visit to the site in January 2022, City personnel were on-site and indicated that the building had been broken into several times and that numerous copper pipes had been cut/removed from the site; Terracon personnel observed sections of copper pipe on the main level of the 1905 building and in the tunnel spaces around the large pool during the January 2022 field services. It is possible that additional break-ins may occur at the site which could impact asbestos or LBP materials, or further affect the building as it was observed by Terracon.

3.0 FIELD ACTIVITIES

3.1 Asbestos Survey

The asbestos survey was conducted in general accordance with the SAP by Mr. Steve M. Mack, a State of Iowa licensed asbestos inspector (license number 21-5930). Field survey activities were conducted on October 21, 22, 28, and November 1 of 2021, and January 13, 14 of 2022. A copy of Mr. Mack's asbestos inspector license is included in Appendix C.

3.1.1 Visual Assessment

Terracon's licensed inspector initiated the survey with a visual assessment of accessible exterior and interior areas of the structure to identify suspect ACMs. Terracon segregated suspect ACM into HAs based on type, texture, color, renovations, use, and other distinctive features and assign each identified material a unique HA number. HA numbers and material descriptions, locations, and other identifying factors as appropriate were logged on field log sheets.

Materials such as fiberglass, glass, metal, rubber, or wood are not considered suspect ACM and therefore, were not assigned a unique HA number or sampled.

Terracon completed a review of the EMS Report and limited destructive investigation to identify suspect ACMs prior to the sampling efforts. Floor coverings such as carpet glue overtop of floor finishes, multi-layered flooring systems debris, and overall cleanliness of the facility, coupled with limited lighting made it difficult to discern materials/colors in the field. Our best judgement and professional opinion as to the homogeneity of materials was applied, as appropriate.

Due to the lack of lighting in many areas, our observations may have been limited. Our survey efforts did not include investigation of sub-surface materials and was limited to visual observations of the electrical distribution equipment as part of these services due to access / safety concerns. Additionally, the elevators and associated equipment were not locked-out and therefore not sampled. Access was partially limited around the tunnel spaces associated with the large pool due to standing water, which prevented safe access to some areas of the tunnels. Terracon attempted to visually observe the space but was unable to observe equipment or materials that may have been on the floor or other safety concerns like pits changes in flooring elevation. Although reasonable effort was made to survey accessible suspect materials, additional suspect but unsampled materials could be located in walls, chases, above ceilings, in voids, in the subsurface, or in other concealed areas.

3.1.2 Physical Assessment

A physical assessment of each HA of suspect ACM was conducted to assess the friability and evidence of damage or degradation. A friable material is defined by the USEPA as a material that can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect components.

3.1.3 Sample Collection

Based on Terracon's review of the EMS Report and visual observation, bulk samples of suspect ACM were in general accordance with the site-specific SAP and USEPA sampling protocols. Terracon collected a minimum of three samples from each homogenous area that was identified as new or not previously assessed in the EMS report.

To the extent feasible, bulk samples were collected using wet methods using a surfactant solution as applicable to reduce the potential for fiber release. Samples were placed in unused, dedicated, and disposable sealable bags; an indelible marker was used to record the unique sample identification code on each bag. Sample identification codes were recorded on field log sheets with other information including collection date and time, collection locations, and estimated total quantity of each HA recorded.

To further define, clarify, and categorize materials presented in the EMS Report, Terracon also employed the following sample collection scheme(s):

- Collection of confirmatory samples (at least one) of apparent homogenous materials identified in the EMS Report that were indicated as non-detect for asbestos.
  - Terracon collected 25 samples from materials that were apparently reported as non-detect (negative) in the EMS report.

- Collection of confirmatory samples of apparent homogeneous materials identified in the EMS Report with results greater than or equal to 6% asbestos.
  - Terracon collected 45 samples from materials that EMS reported with an asbestos concentration of 6% or less. These materials were submitted to the NVLAP accredited lab for analysis using a 400 point-count method (with positive stop).

- Sampling of materials that were not readily apparent in the EMS report, based on our discretion.
  - Terracon collected 84 samples of materials that were deemed to not be represented by the previous sampling activities.

Asbestos content of suspect ACM does not diminish, degrade, or alter as a result of sample collection, holding periods, and laboratory analysis. Therefore, preservation methods and hold time limits do not apply to quality assurance/quality control (QA/QC) measures of field and laboratory activities.

3.1.4 Sample Analysis

Each set of bulk samples collected was submitted under a separate chain-of-custody to EMSL Analytical, Inc. (EMSL) of Cinnaminson, New Jersey, for the specified analysis. The confirmation samples (originally reported as negative by EMS) and materials not previously assessed by EMS were submitted for analysis by PLM with dispersion staining techniques per USEPA's *Method for the Determination of Asbestos in Bulk Building Materials* (600/R-93/116). The percentage of asbestos, if present, was determined by microscopic visual estimation. EMSL is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), Accreditation No. 101048-0. EMSL personnel conducted laboratory data validation for precision and accuracy in accordance

with their standard laboratory analytical procedures provided with the Generic QAPP dated April 7, 2021.

Based on the results of the PLM analysis and in accordance with the approved SAP, supplemental analysis of select asbestos samples with a result greater than 0% and up to 6% asbestos content (including previous positive samples noted in the EMS report) was conducted using the 400-point count method (600/R-93/116) with gravimetric preparation, where indicated by the laboratory method.

3.2 Lead-Based Paint Survey

The LBP screening was conducted by Mr. James R. Baxter on October 20, 21, and 22, 2021. The LBP screening included a visual assessment of coated surfaces in and on the buildings to identify areas/materials that would require analysis by an x-ray fluorescence analyzer (XRF) to analyze for lead content. Mr. Baxter is a Certified Lead Inspector/Risk Assessor (Certification/License Number: LEAD-INSP10101, expiration date May 19, 2024). A copy of Mr. Baxter's license is included in Appendix C.

3.2.1 Identification and of LBP Testing Combinations

Terracon visually identified LBP testing combinations of each room, unit, space, and/or common area. A testing combination is characterized by the room equivalent, the component type, and the substrate. A room equivalent is an identifiable part of a building (room, foyer, hallway, etc.). Painted surfaces include any surface coated with paint, shellac, varnish, stain, paint covered by wallpaper, or any other coating.

3.2.2 LBP Sampling Using XRF

Terracon used a Viken Detection Pb200i handheld XRF lead paint analyzer (serial number 2366), which has direct-reading capability, to screen for lead content on interior surface coatings. The XRF is a portable electronic device containing a small, sealed nuclear source. The device emits x-rays at various energy levels. The x-ray energy excites electrons in the outer orbits of lead atoms. The detector in the XRF unit reads this excitation and translates it into a semi-quantitative reading of lead present per surface area. XRF technology allows detection of lead in a painted surface, even several layers below the surface, without disturbing the painted surface. Using the manufacturer provided calibration block, Terracon calibrated the XRF unit to approximately 1.0 mg/cm^2 (minimum of three readings) and performed a negative calibration check prior to conducting the screening services. Where applicable, the calibration process was repeated at the mid-day break, and again at the end of each day the XRF was used for the project.

Using the XRF, Terracon obtained 121 readings of painted surfaces to evaluate for the presence of LBP. A summary of the readings obtained is included as **Table 5** in **Appendix A**.

4.0 REGULATORY OVERVIEW

4.1 Asbestos Regulatory Overview

In Iowa, asbestos activities are regulated by the Iowa Department of Natural Resources (IDNR) and the Division of Labor, Iowa Workforce Development (IWD). IDNR regulates asbestos fiber emissions under Iowa Administrative Code 567 Chapter 23 (IAC 567-23) and asbestos-containing waste disposal under IAC 567-109. IWD regulates occupational exposure to asbestos under IAC 875-10 and asbestos removal and encapsulation activities under IAC 875-155.

IAC 567-23.1(3) adopts USEPA's asbestos NESHAP (40 CFR Part 61, Subpart M) by reference. Subpart M regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as friable, Category I nonfriable, or Category II nonfriable ACM. Friable materials are those that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure. Category I nonfriable ACM includes packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than 1% asbestos. Category II nonfriable ACMs are any materials other than Category I nonfriable materials that contain more than 1% asbestos.

Regulated ACM (RACM) must be removed before renovation or demolition activities that will disturb the materials. RACM includes:

- Friable ACM;
- Category I nonfriable ACM that has become friable or will be subjected to drilling, sanding, grinding, cutting, or abrading; and
- Category II nonfriable ACM that could be crumbled, pulverized, or reduced to powder during renovation or demolition activities.

The owner or operator must provide the IDNR and IWD with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by an Iowa-permitted asbestos abatement contractor.

IAC 875-155 Asbestos Removal and Encapsulation require that any asbestos-related activity conducted in a public building must be conducted by personnel licensed or permitted by the IWD. Inspections for ACM must be conducted by IWD-licensed inspectors. Asbestos abatement must be conducted by IWD-permitted asbestos abatement contractors. When an abatement project design is prepared, it must be prepared by an IWD-licensed project designer.

IAC 875-10 adopts the OSHA Asbestos Standard for construction (29 CFR 1926.1101) by reference. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below the permissible exposure limits (PELs) of 0.1 asbestos fiber per cubic centimeter of air (0.1 f/cc) as an 8-hour time-weighted average (TWA) or 1.0 f/cc as a 30-minute excursion

limit. The OSHA standard classifies construction and maintenance activities that could disturb ACM and specifies work practices and precautions that employers must follow when engaging in each class of regulated work.

4.2 Lead Regulatory Overview

Lead is regulated by both the USEPA and OSHA. USEPA regulates lead use, removal, and disposal, and OSHA regulates worker exposure to lead. USEPA defines LBP as paint, varnish, stain, or other applied coatings that contain lead equal to or greater than 1.0 mg/cm^2, 5,000 milligrams per kilogram (mg/kg), or 0.5% by dry weight as determined by laboratory analysis. For the purpose of the OSHA lead standard, lead includes metallic lead, all inorganic lead compounds, and organic lead soaps. The federal OSHA standard does not define the amount of lead in paint that constitutes lead-based paint, thus all paint containing lead is considered lead-containing paint (LCP).

Additionally, the USEPA regulates the disposal of hazardous materials. USEPA has stated that components removed with intact LBP that is not delaminating from the substrate may be disposed of as general demolition debris. If the LBP is stripped from components, or if it is delaminating from the substrate, the waste may be subject to hazardous waste rules [i.e., Toxicity Characteristic Leaching Procedure (TCLP)]. Other materials potentially containing lead (e.g., batteries, flashings, etc.) must also be properly disposed of.

The OSHA lead standard for construction (29 CFR 1926.62) applies to all construction work where an employee may be occupationally exposed to lead. Work related to construction, alteration, renovation, or repair (including painting and decorating) is included in this standard. The lead standard applies to ***any*** detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending on the method of removal and other workplace conditions. As per this standard, construction includes, but is not limited to, the following:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions containing lead, or materials containing lead.
- Installation of products containing lead.
- Lead contamination/emergency clean-up.
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are conducted.
- Maintenance operations associated with construction activities described above.

Employees may not be exposed to lead at concentrations greater than the PEL of 50 micrograms per cubic meter (μg/m^3) averaged over an 8-hour period without adequate protection. The OSHA

standard also establishes an action level of 30 μg/m^3, which if exceeded, triggers certain requirements, including periodic exposure monitoring and medical monitoring.

5.0 FINDINGS AND RECOMMENDATIONS

5.1 Asbestos Survey Findings

Laboratory analysis of bulk samples confirmed the presence of asbestos in samples collected on October 22, 24, 28, and November 1, 2021 and January 13 and 14, 2022. **Table 1** included in **Appendix A** identifies the confirmed ACMs, sample locations, and approximate quantities, along with additional information. A summary of ACMs included in the EMS Report are also summarized in Table 1.

A summary of materials that have been determined to be <1% asbestos containing is included in **Table 2. Table 3** in **Appendix A** includes a list of inaccessible areas/spaces and materials that were not sampled or are suspected to be present in the facility, based on our experience. The Asbestos Survey Sample Summary is included in **Table 4** in **Appendix A.**

A copy of the asbestos analytical laboratory reports and chains-of-custody/sample sheets are included in **Appendix B**; a confirmed ACM Photo Log is included in **Appendix D.** Exhibits depicting the asbestos materials and positive sample locations (by Terracon) are included as **Exhibits 1-14** in **Appendix E**.

5.2 Asbestos Recommendations

As NESHAP and Occupational Safety and Health Administration (OSHA) regulations (summarized in Section 4.1) govern the removal of ACMs, Terracon recommends that a qualified contractor be retained to properly abate and dispose of ACMs identified within this report in accordance with local, state, and federal regulations.

The owner and/or operator are responsible for NESHAP regulatory compliance regarding the proper removal, handling, and disposal of ACMs containing greater than 1% asbestos prior to renovation or demolition. Also, per state regulations, please be aware that the owner and/or operator must notify the Iowa Department of Natural Resources (IDNR) 10-business days prior to asbestos abatement at certain quantity thresholds and prior to renovation activities.

Materials containing less than 1% asbestos are not considered ACMs under the USEPA NESHAP regulations, but are regulated by the OSHA construction standard, 29 CFR 1926.1101. Due to these considerations, all <1% materials should be handled/removed by trained personnel in accordance with OSHA regulations. Those materials are identified in **Table 2** in **Appendix A,** along with their approximate locations.

We recommend that the assumed ACMs listed in in the Inaccessible Areas in **Table 3** in **Appendix A** be removed by the abatement contractor.

Other general recommendations and considerations include:

- Due to the location of many of the ACMs, the abatement contractor shall be prepared to complete significant demolition to gain access to the materials. It may be advisable to have the abatement contractor be responsible for all demolition activities at the site due to the location of ACMs.
- Significant wall demolition will be required to fully access flooring materials
  - Demising walls have been built over top of flooring.
  - Several ACM floor coverings and mastics are located below underlayment, plywood, carpeting, sheet flooring, and generally on concrete. Significant effort will be required to access the ACM layer.
  - Significant wall, ceiling, and chase demolition will be required to access the TSI runs in cavities. Some of these walls also contain lead-based paint and will require proper removal activities as well.
- If additional but unsampled suspect ACMs are revealed during renovation or demolition activities, the material(s) must be assumed to contain asbestos and treated as such unless sampled by an accredited inspector and laboratory analysis determines otherwise.
- Dewatering of tunnels may be required to fully access the space and suspect ACM.
- The reader of this report should understand the limitations of this survey. If the project area as defined in this report or renovation plans change, additional assessment of previously unsampled suspect ACMs may be necessary.
- For materials that were found to contain <1% asbestos and which will be left in place during demolition (assuming whole building demo), we recommend that:
  - The demolition contractor review and comply with OSHA asbestos standard requirements.
  - Demolition of the structure should be completed utilizing wet methods.
  - Complete prompt clean-up of waste and debris. Place waste in leak tight containers (i.e., lined trucks/roll-offs); waste should be disposed of in an adequately wet manner, at an approved facility.
  - The demolition contractor consults with the landfill for special disposal procedures, if any. The landfill may require that a separate hole be dug,

and materials placed within and immediately covered, much like typical asbestos waste disposal procedures.

A summary of applicable asbestos regulations is presented in Section 4.

5.3 Lead Paint Survey Findings

Based on the direct readouts obtained during the XRF survey, multiple sampled surfaces did contain LBP (indicated in **bold** in Table 5 in Appendix A). The materials generally consisted of **plaster / drywall walls, support poles, and various glazed ceramic blocks**. XRF results less than (<) 1 mg/cm^2 indicate that lead is not present at or above the USEPA criterion for classification for the surface coating as an LBP, however, lead was present and detectable in a majority of the samples analyzed, which, from an OSHA regulatory standpoint, could present an airborne hazard to personnel conducting renovation activities. It should be noted that the Viken PB200i XRF Performance Characteristic Sheet[2] does not have an inconclusive range regarding testing results, therefore, paint chip sampling as indicated in the SAP was not required.

The LBP Survey Summary is included as Table 5 in Appendix A; a photo log for the positive lead samples is included as Appendix D and maps depicting the approximate extent of confirmed LBP are included as Exhibits 15-17.

5.4 Lead-Containing Paint Recommendations

Terracon recommends that all contractor(s) involved in the renovation activities should be informed of the presence of LBP and LCP (lead concentrations less than USEPA criterion) on identified building components. OSHA's lead standard for construction (29 CFR 1926.62) applies regardless of the concentration and contractor(s) will need to provide appropriate personal protective equipment and conduct personal exposure monitoring, at a minimum. Terracon recommends the contractor review the specified work tasks and methods involved in the renovation process and prepare a detailed LBP management plan. The LBP management plan should identify the work procedures and health and safety measures that will be used to control exposures to lead. As indicated in Section 5.2, some of the LBP glazing on the block walls is obstructing access to known or suspect ACMs. All contractors and personnel involved with the project should be made aware of these locations and confirm that the LBP and ACM work plans identify proper precautions for these hazards.

If waste materials containing LCP are generated, they may be regulated as hazardous waste. LCP waste from renovation activities, such as debris, paint chips, dust, and sludges, that exhibit the toxicity characteristic must be managed and disposed of as a hazardous waste under the Resource Conservation and Recovery Act (RCRA), except whole-building demolition debris. The

[2] Posted at: https://www.hud.gov/sites/dfiles/HH/documents/Viken_Pb200i_PCS_0.5_Dec_2020.pdf

hazardous waste criterion for lead wastes is established under RCRA, Subtitle C, as 5.0 milligrams per liter (mg/L) measured by the Toxicity Characteristic Leaching Procedure (TCLP).

6.0 QUALITY CONTROL AND DATA VALIDATION

6.1 Asbestos Quality Control and Data Validation

6.1.1 Field Methods and Measurements

To validate the quality and usability of asbestos data, a review of field activities outcomes and data included the following:

Table B. Asbestos Field Methods and Measurements Review Summary

Review Checklist	Validated	Descriptions
Bulk sampling of suspect asbestos containing materials were conducted in accordance with Terracon standard operating procedure E3000	Yes	
Terracon collected multiple samples of each applicable identified HA at the site to allow assessment of the accuracy of HAs identified and the representativeness of samples collected to each applicable HA in accordance with the SAP.	Yes	
To improve precision, samples of HAs with PLM results greater than 0% and up to 6% were further analyzed via point-counting.	Yes	Samples with PLM findings below 6% were subsequently analyzed via point-counting (400-point count analytical method, with gravimetric preparation, where indicated by the laboratory). As previously indicated, this included samples from the EMS report as part of Terracon's SAP.
Sampling is considered complete if 100% of identified HAs (not assumed or presumed to be ACM) were sampled and analyzed per the SAP.	Yes (with conditions)	Section 1.2 and Table 3 provided in Appendix A summarize inaccessible areas that were not included in the survey. The inaccessible areas may have HAs that could not be identified during the survey.
Chain of custody documents accurately depicts bulk samples collected and submitted, bulk samples/containers were received intact, and laboratory analysis requests were made pursuant to the SAP.	Yes	
If variances (expressed as percent difference) of either PLM or point-count analysis exceed 50% (based on material type) for a given HA, Terracon assessed the data results of each HA to determine whether multiple potential HAs within the associated sample group may exist.	Yes (with conditions)	RPD evaluation was conducted only for PLM analysis of each HA sampled as discussed in section 1.2 above. Variance of PLM data is typical for material types of each HA identified. Therefore, HAs identified in the field; based on type, texture, color, use and other distinctive features; are considered valid and representative of building materials observed.

6.1.2 Laboratory Methods and Measurements

Laboratory data validation of PLM and point-count methodology was performed by the NVLAP accredited laboratory in accordance with their Standard Operating Procedures included in the ECIA-approved generic QAPP.

Terracon confirmed that the receiving laboratory did not indicate concerns or issues related to sample breakage or tampering on the chain-of-custody upon receipt of the bulk samples. Terracon's review also confirmed that the samples recorded on the chain-of-custody correlated to the analytical information in the laboratory report. As discussed in Section 3.1, Asbestos content of suspect ACM does not diminish, degrade, or alter as a result of sample collection, holding periods, and laboratory analysis; therefore, preservation methods and hold time limits do not apply.

6.2 Lead Based Paint Quality Control and Validation

6.2.1 Field Methods and Measurements

To validate the quality and usability of LBP data, a review of field activities outcomes and data included the following:

Table C. LBP Field Methods and Measurements Review Summary

Review Checklist	Validated	Descriptions
XRF Measurements were conducted in accordance with Terracon standard operating procedure E4000.	Yes	
Calibration of the XRF was conducted per manufacturer specifications and recorded in field logs specific to the property assessed.	Yes	Calibration results of the XRF within the tolerances specified by the device manufacturer indicate that the device is working as intended.
To ensure sample representativeness of each testing combination identified, Terracon collected multiple XRF readings of each testing combination in accordance with the SAP.	Yes	
Sampling is considered complete if 100% of identified LBP testing combinations were measured via XRF and/or sampled and analyzed per the SAP.	Yes (with conditions)	Section 1.2 and Table 3 provided in Appendix A summarize inaccessible areas that were not included in the survey. The inaccessible areas may have LBP that could not be identified during the survey.
Paint chip samples were collected if XRF measurements were within the inconclusive range of the instrument.	N/A	Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of such samples was not completed as part of the survey. Validation of the results was conducted each day the services were completed at the site as part of the calibration checks.

Paint chip samples were collected in accordance with Terracon standard operating procedure E4000.	N/A	Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of paint chip samples was not completed as part of the survey.
Chain of custody documents accurately depict paint chip samples collected and submitted, paint chip samples/containers were received intact, and laboratory analysis requests were made pursuant to the SAP	N/A	Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of paint chip samples was not completed as part of the survey.

N/A = Not Applicable

The XRF used by Terracon requires no substrate correction, so all results at 1.0 mg/cm^2 or greater are considered LBP. It should be noted that Terracon's sampling process was based on the exterior colors and materials observed, and that underlying paint colors may contribute to the positive results.

6.2.2 Laboratory Methods and Measurements

Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of such samples was not completed as part of the survey. Validation of the results was conducted each day the services were completed at the site as part of the calibration checks.

7.0 LIMITATIONS/GENERAL COMMENTS

At the request of the City of Clinton, Iowa, the asbestos survey services and portions of this report were completed based on information contained in the EMS Report. The user of this report should understand the limitations of relying on this information.

Terracon performed limited demolition or destructive activities during sampling, but did not knocking large holes in walls, dismantle equipment, or remove protective coverings. Reasonable efforts to access suspect materials within known areas of restricted access (e.g., crawl spaces) were made; however, confined spaces or areas which may pose a health or safety risk to Terracon personnel were not sampled. Sampling did not include suspect materials which could not be safely reached with available ladders/man-lifts.

The following areas were either not sampled or had limited access:

- Covered walkway that runs across the alley to the north;
- Elevators / elevator equipment;
- Electrical equipment;
- Tunnel spaces that had standing water, preventing full access and limited visual observations for additional pits, pumps, or other equipment;
- Subsurface materials / equipment;
- Pipe flanges and associated gasketing.

The survey was conducted utilizing limited destructive sampling techniques. It should be noted that some equipment and materials such as electrical systems, gaskets, pumps, or other mechanical devices (if observed) were not sampled as Terracon was not able to confirm that all electrical lines had been switched off or they were not able to be accessed. This survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on the specific conditions during our sampling. The information contained in this report is relevant to the date on which the sampling was conducted and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by ECIA and the City of Clinton, Iowa for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories, or other third parties supplying information used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

TABLES

APPENDIX A
480 South 3rd Street
Clinton, Clinton County, Iowa

TABLE 1 – IDENTIFIED ASBESTOS-CONTAINING MATERIALS BY HOMOGENEOUS AREA (HA)

The materials listed in this table have been sampled and determined to contain asbestos in concentrations greater than 1%. When disturbed, various federal, state, and local regulations will apply. Please refer to the attached Exhibits in Appendix B for the general location of the ACMs and for additional notes.

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
PC1[5]	Thermal Systems Insulation (TSI) Mag pipe insulation, white with canvas wrap	1905 Building – basement room B-5 and B-9 boiler room	2-7% Chrysotile (PLM)[6] 12.75% Chrysotile (PC)[7]	Friable	Significantly Damaged	18 LF
PC2	TSI mudded joint fitting with canvas wrap	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	2-10% Chrysotile (PLM) 7.98% Chrysotile (PC)	Friable	Significantly Damaged	2,500 LF PC4 - This material was apparently referred to as wools felt pipe insulation by EMS.
PC3	TSI mudded joint fitting	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	3-5% Chrysotile (PLM) 12.50% Chrysotile (PC)	Friable	Significantly Damaged	
	TSI mudded joint fitting - canvas wrap		3-5% Chrysotile (PLM) 1.50% Chrysotile (PC)	Friable	Significantly Damaged	
PC4	TSI layered paper pipe insulation - with canvas wrap (hard-wrap)	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	2-3% Chrysotile (PLM) 8.00% Chrysotile (PC)	Friable	Significantly Damaged	
PC5	9-inch (“) x 9” Vinyl floor tile (VFT) - red	1905 Building – SE corner of the basement room B-1; 1st floor room 4; 2nd floor room 2F kitchen	3% Chrysotile (PLM) 5.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	500 SF It is assumed that the <1% associated tar paper will be abated along with the asbestos containing floor tile and mastic
	Mastic – black		3% Chrysotile (PLM) 3.3% Chrysotile (PC)	Non-Friable	Significantly Damaged	

[3] HA – indicates homogenous area
[4] Estimated quantities are based on a cursory field evaluation and actual quantities may vary significantly, especially if ACMs are present in hidden and/or inaccessible areas not evaluated as part of this survey. LF = linear feet; SF = square feet
[5] PC# – indicates an HA number assigned to a confirmatory sample for a material that was apparently indicated as ACM in the EMS Report. Note: these samples were analyzed with a 400-point county analytical method; non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted.
[6] PLM – Polarized Light Microscopy Analytical method.
[7] PC – 400-Point Count analytical method; Note: non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
PC6	9” x 9” vinyl floor tile - beige with tan & brown spots	1905 Building – basement room B-1; 1961 building sub-level women’s and girl’s locker rooms, 1st hallways and stairwells to 2nd floor	2% Chrysotile (PLM) 1.2% Chrysotile (PC)	Non-Friable	Significantly Damaged	5,000 SF The mastic associated with this material was reported as <1% asbestos containing.
PC7	9” x 9” vinyl floor tile - (multiple colors) grey with white specks	1905 Building – basement stair landing; 1st floor room 3, west side storage	2-5% Chrysotile (PLM) 1.7% Chrysotile (PC)	Non-Friable	Significantly Damaged	150 SF
PC8	9” x 9” vinyl floor tile - beige with brown & white streaks	1905 Building 2nd floor, 2F north, south, and east hallways, 2F restroom, 2F rooms 7-9 on the 3rd floor	5% Chrysotile (PLM) 2.8% Chrysotile (PC)	Non-Friable	Significantly Damaged	1,500 SF
	Mastic – black		3% Chrysotile (PLM) 1.1% Chrysotile (PC)	Non-Friable	Significantly Damaged	
PC9	9” x 9” vinyl floor tile - white with brown streaks	1905 Building –2nd floor, room 2F kitchen	3% Chrysotile 5.2% Chrysotile (PC)	Non-Friable	Significantly Damaged	350 SF
PC13	12” x 12” vinyl floor tile - white with brown streaks	1961 Building – South walkway to 1978 building, southeast lobby, west locker rooms, hallways, stairwells; 2nd floor hallways, west and east gym offices, 3rd floor hallways and stairwell, custodial closet	2% Chrysotile (PLM) 3.4% Chrysotile (PC)	Non-Friable	Significantly Damaged	3,600 SF EMS reports this material in the following locations: 1978 building: 1st floor southeast lobby and hall, east stairs, west central locker room area; 2nd floor: handball hall, main hall and janitor’s closet, west office, east office, gym drinking fountain area; 3rd floor: hallway
	Mastic – black		2% Chrysotile (PLM) 2.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	
PC14	9” x 9” vinyl floor tile, brown	1905 Building – basement room B-1 SE corner, room B-2; 2nd floor – 2F kitchen	3% Chrysotile (PLM) 12.2% Chrysotile (PC)	Non-Friable	Significantly Damaged	500 SF
	Mastic – black		3% Chrysotile (PLM) 3.5% Chrysotile (PC)	Non-Friable	Significantly Damaged	

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
PC15	9" x 9" vinyl floor tile - beige with streaks	1905 Building – basement room B-2	5% Chrysotile (PLM) 5.8% Chrysotile (PC)	Non-Friable	Significantly Damaged	5,000 SF Both the black mastic and yellow glue associated with the floor tile were reported as <1% asbestos.
NC01[8]	2-foot (') x 2' ceiling tile, white, with pinholes and slight texture	1905 Building - 1st floor Room 5 (multipurpose room)	4% Amosite (PLM) 1.75% Amosite (PC)	Friable	Significantly Damaged	2,800 SF
NC04	9" x 9" vinyl floor tile, beige	1905 Building, 2nd floor south restroom	3% Chrysotile (PLM) 1.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	4,500 SF
NC16	9" x 9" vinyl floor tile, light tan	1905 Building, 1st floor west side of lobby, beneath carpet and underlayment	5% Chrysotile (PLM) 3.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	1,200 SF
1[9]	Black caulk, rough texture	1905 Building - 2nd floor, 2F room 7, behind the wood paneling on walls	3% Chrysotile (PLM) 3.8% Chrysotile (PC)	Non-Friable	Damaged	1,800 SF
15	Grey caulk; weathered, rough texture	1905 Building - exterior windows and vents	5% Chrysotile (PLM) <0.25 to 1.9% Chrysotile (PC)	Non-Friable	Significantly Damaged	65 Windows, 4 Vent Penetrations Approximately 100 SF Note: the laboratory reported that Sample 15-CA1-043 was a brown-gray color and was determined to be <1% asbestos; that sample is likely not homogeneous to the remainder of the samples. An additional layer could have been applied over the ACM.
17	Vibration cloth – white, woven canvas type material	1905 Building - basement mechanical room, pool mechanical room; 1961 Building – mezzanine mechanical room	20 to 35% Chrysotile (PLM)	Non-Friable	Damaged	13 Units
22	2' x 2' Cement board – gray smooth and peg board style panels	1905 Building: basement south restroom wall panels; basement south main room ceiling; basement south restroom locker room and shower area; pool area; 1961 building: locker room and shower in basement as ceiling repair; 1st floor pool area ceiling; 1978 building: 1st floor pool area	18 to 25% chrysotile	Non-Friable	Damaged	4,500 SF This material is on both walls and ceilings in select locations. Some panels have a pegboard style pattern.
Not Assigned[7]	TSI mudded joint fittings	Associated with TSI layered paper pipe insulation; 1905 Building & 1961 building – throughout buildings	2-5% Amosite; 5-10% Chrysotile	Friable	Significantly Damaged	545 fittings This material was sampled and quantified by EMS And was described by mudded joint fittings on woolsfelt pipe insulation.
Not Assigned[7]	Vibration damper cloth	1905 building basement mechanical room 1961 building 1st floor mechanical room	50% Chrysotile	Friable	Damaged	11 dampers This material was sampled and quantified by EMS
Not Assigned[7]	Breeching insulation	1905 basement boiler room	10% Amosite	Friable	Significantly Damaged	200 SF This material was sampled and quantified by EMS.
Not Assigned[7]	Boiler door gasketing		40% Chrysotile	Friable	Significantly Damaged	2 gaskets This material was sampled and quantified by EMS

[8] NC# – Indicates an HA number assigned to materials/samples that were apparently deemed negative in the EMS Survey and which were subsequently sampled by Terracon and confirmed as ACM through point count analysis.

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
Not Assigned[7]	White caulk on wood	1905 Building east entry exterior and north entry exterior	2% Chrysotile	Non-Friable	Damaged	40 LF This material was sampled and quantified by EMS
Not Assigned	Linoleum, tan	1905 Building, 2nd, and 3rd floors apartment units	2% Chrysotile	Non-Friable	Damaged	960 SF This material was sampled and quantified by EMS
Not Assigned	Linoleum, green	1905 Building, 2nd, and 3rd floor apartment units	2% Chrysotile	Non-Friable	Damaged	1,170 SF This material was sampled and quantified by EMS
Not Assigned	Linoleum, gray	1905 Building, 2nd, and 3rd floor apartment units	2% Chrysotile	Non-Friable	Damaged	2,865 SF This material was sampled and quantified by EMS
Not Assigned[7]	Heat exchanger insulation	1961 Building, basement pool mechanical room	5% Amosite, 2% Chrysotile	Friable	Significantly Damaged	10 SF This material was sampled and quantified by EMS
Not Assigned[7]	TSI debris		Varies	Friable	Significantly damaged	10 SF This material was sampled and quantified by EMS
Not Assigned[7]	Roof flashing	1960s addition roof(s) – Upper and lower roofs	2 - 3% Chrysotile	Non-Friable	Damaged	520 LF This material was sampled and quantified by EMS and was described as built-up roof flashings (under newer roofing).
Not Assigned[7]	Roof flashing	1978 Roof – Upper and lower roofs	10% Chrysotile	Non-Friable	Damaged	585 LF T This material was sampled and quantified by EMS and was described as built-up roof flashings (under newer roofing).

[9] # - indicates an HA number assigned to additional samples/materials that were not apparently surveyed by EMS

TABLE 2 – MATERIALS CONTAINING LESS THAN (<) 1% ASBESTOS by HOMOGENOUS AREA (HA)

In addition to the NESHAP-defined ACM, the following materials were identified as containing less than (≤) 1% asbestos. Although these materials are not regulated under NESHAP, these materials are subject to OSHA requirements when disturbed (see 29 CFR 1926.1101). See **Appendix D** for detailed analytical results and the sample sheets. Please refer to the exhibits in **Appendix B** for the general locations of the materials and for additional notes.

HA[10]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity [11]/ Notes
PC5[12]	Tar Paper – black, associated with the 9-inch (“) x 9" vinyl floor tile and mastic - red	1905 Building – SE corner of the basement room B-1; 1st floor room 4; 2nd floor room 2F kitchen	<0.25% Chrysotile (PC)[13]	Friable	Damaged	500 SF It is assumed that this material would be abated with the overlying ACM floor tile and mastic.
PC6	Mastic – black, associated with the 9" x 9" vinyl floor tile and mastic – beige with tan and brown spots	1905 Building – basement room B-1; 1961 building sub-level women’s and girl’s locker rooms, 1st hallways and stairwells to 2nd floor	<0.25% Chrysotile	Non-friable	Significantly Damaged	6,800 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos.
PC7	Mastic – brown/black, associated with 9" x 9" vinyl floor tile: gray with white specks	1905 Building – basement stair landing; 1st floor room 3, west side storage	<0.25% Chrysotile	Non-friable	Significantly Damaged	1,320 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos.
PC9	Mastic – black, associated with the 9" x 9" vinyl floor tile – white with brown streaks	1905 Building – 2nd floor, 2F room 8 / kitchen	<0.25% Chrysotile	Non-friable	Significantly Damaged	250 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos.
PC10	Sheet flooring – tan with black tar paper backing	1905 Building – 2nd floor apartment units 1, 6, 8	<0.25% Chrysotile	Non-friable	Damaged	960 SF
PC11	Sheet flooring – green with black tar paper backing	1905 Building – 2nd floor apartment unit 2; 3rd floor apartment units 20, 21, 23, 26, 27, 28	<0.25-0.9% Chrysotile	Non-friable	Damaged	1,170 SF
PC12	Sheet flooring - grey with black tar paper backing	1905 Building – 2nd floor apartment units 3, 4, 5, 7; 3rd floor apartment units 9, 12-19, 22, 24, 25	0.3 to 0.9% Chrysotile	Non-friable	Damaged	2,865 SF

[10] HA – indicates homogenous area
[11] Estimated quantities are based on a cursory field evaluation and actual quantities may vary significantly, especially if ACMs are present in hidden and/or inaccessible areas not evaluated as part of this survey. LF = linear feet; SF = square feet
[12] PC# – indicates an HA number assigned to a confirmatory sample for a material that was apparently indicated as ACM in the EMS Report. Note: these samples were analyzed with a 400-point county analytical method; non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted.
[13] PC – 400-Point Count analytical method; Note: non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted

HA[10]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity [11]/ Notes
PC15	Mastic – black, associated with 9" x 9" vinyl floor tile – beige with streaks	1905 Building – basement room B-2	<0.25-0.8% Chrysotile	Non-friable	Significantly Damaged	4,700 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos. It is assumed that the yellow mastic is contaminated by the black layer.
	Mastic – yellow, associated with 9" x 9" vinyl floor tile – beige with streaks		<0.25% Chrysotile	Non-friable	Significantly Damaged	
03[14]	Yellow mastic associated with non-ACM grey cove base	1905 Building – 1st floor rooms 1, 2, 4, 5; 2nd floor rooms 7-9, and north, south, and east hallways, apartment units; 1961 building – south walkway to the 1978 building	<0.25% Chrysotile	Non-friable	Damaged	1,000 LF

[14] # - indicates an HA number assigned to additional samples/materials that were not apparently surveyed by EMS

TABLE 3 – INACCESSIBLE AREAS AND ASSUMED ASBESTOS-CONTAINING MATERIALS, NOT SAMPLED

Assumed materials are materials that are commonly determined to contain asbestos that could not be sampled during the survey. Reasons for not sampling can include lack of accessibility (hard pan ceilings, interlocked ceiling tile), need for significant demolition to access materials in an occupied space, or other sampling limitations. Assumed ACM should be monitored for damage and treated as asbestos containing material. These materials should be sampled before any renovation or demolition activities that may disturb them to determine their actual asbestos content.

Location/Area	Space	Material Description	Notes
1961 Building	Locker rooms (shower/restroom area)	Thermal systems pipe insulation (TSI) – mudded joint packings and pipe wrap	Limited access: significant demolition would be required to access the interior wall cavities and above hard panned ceilings. Demolition in these areas should proceed with caution as there are likely TSI runs embedded in these inaccessible cavities. In addition, the majority of the ceramic block walls in these areas contain LBP, which should also be managed accordingly during demolition activities.
1961 Building	Second floor, covered walkway across the alley	Possible insulation, caulks/sealants, flooring materials, etc.	The inside door to the walkway was sealed shut and was unable to be opened; City of Clinton personnel indicated that the space is only accessible from the building on the north side of the alley.
1961 Building	Tunnel areas	TSI, electrical systems, misc. equipment, etc.	The west side tunnel space that runs around the large pool had standing water ranging from approximately six inches to more than one foot of water. The water obscured the floor as well as potential pits, submerged pumps, or other equipment in these areas. Heavy deposition of friable and suspect friable asbestos materials in these areas were observed (primarily TSI materials) were observed throughout the tunnel areas.
1905 Building	Elevator/ Elevator Shaft	Elevator Brake shoes	The elevator in the 1905 building runs from the basement to the third floor; the mechanical room is located in the basement, but neither the interior of the elevator or the elevator shaft was able to be accessed during Terracon's site services. Assumed materials associated with this area should be removed by a permitted abatement contractor.
1905/1961/1978 Buildings	Electrical System	Electrical boards and other misc. electrical equipment	Various electrical panels and boards were observed in the building, Terracon removed several outer housings/coverings to look for asbestos-containing paneling, bus bars, etc. however not all of the materials were able to be removed or accessed.
1905 Building	Roof	Roofing materials, flashings, etc.	Terracon did not observe a specific access panel for the roof of the 1905 building. Due to the tapered construction of the upper portion of the 1905 building from the adjacent roof, ladder access was not possible. A potential access point may be obscured by drywall or other building materials from the inside. Limited observations from the adjoining roofs appear to indicate a membrane roof that appears similar to adjacent roofs; however, the underlying materials are currently unknown.
1905 Building and 1961 Building	Basement (1905) and 2F Mechanical room (1961)	Fire Doors (4 total observed, 2 in each of the listed locations)	Fire door materials were not able to be sampled and are assumed to contain asbestos; these materials should be removed by a permitted abatement company.

TABLE 4 – ASBESTOS SURVEY SAMPLE SUMMARY

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
NC[16]01	NC-CT3-01	2-foot (‘) x 2’ ceiling tile, white, with pinholes and slight texture	Ceiling tile	1905 Building - 1st floor Room 5 (multipurpose room)	North room, in the southeast corner	**4% Amosite (PLM)** **1.75% Amosite (PC)**
NC02	NC-CT1-02	1' x 1' Ceiling tile, green with brown fiber smooth texture	Ceiling tile	1905 Building - 2F – laundry room	North storage closet near the doorway	None Detected (ND)
NC03	NC-CT4-03	2' x 4' Ceiling tile, white, textured	Ceiling tile	1905 Building, 1st floor Room 1, 4, Room 5 (multipurpose room), 1F elevator room, men’s and women’s locker rooms, 2nd, and 3rd floor unit apartments	North room, southwest area near the entrance	ND
NC04	NC-FT1-04	9-inch (“) x 9” vinyl floor tile, beige	Floor tile	1905 Building, 2nd floor south restroom	South restroom, southeast corner, under sheet flooring and underlayment	**3% Chrysotile** **1.6% Chrysotile (PC)**
			Mastic			ND
NC05	NC-FC1-05	Vinyl floor sheeting - tan with black and gray specks	Vinyl sheet flooring	1905 Building, 2nd floor south restroom	South restroom, center area near the sinks	ND
NC06	NC-PL1-06	Plaster skim coat and drywall - tan with a slight texture	Plaster skim coat	1905 Building, 1st floor, room 4; 2nd and 3rd floor hallways, and unit apartments	South restroom, south wall center area, mid-way up the wall	ND
			Drywall			ND
NC07	NC-MS5-07	1" x 1" Ceramic tile - gray with light gray grout and adhesive	Ceramic	1905 Building, 3rd Floor, north restroom; 1978 building men’s locker room	North restroom, center of doorway threshold	ND
			Grout			ND
			Adhesive			ND
NC08	NC-WB1-08	Drywall and joint compound – white, slight texture	Drywall	1905 Building, basement room 8 elevator mechanical room, 1st floor, room 4, 3rd Floor unit apartments	Room 13, northeast wall center area, in the corner	ND
			Joint compound			ND
NC09	NC-WB3-09	Drywall compound – white slight texture	Drywall compound	1905 Building, 2nd and 3rd floor storage closets	Storage room on the east side the north open room	ND
NC10	NC-FC1-10	Vinyl sheet flooring and mastic – tan, smooth texture	Vinyl sheet flooring	1978 Building 3rd floor running track	Elevated running track, near the southeast entrance to track	ND
			Mastic			ND
NC11	NC-FC5-11	Felt paper underlayment – black smooth texture	Felt paper	1961 Building, 2nd floor gymnasium	Gymnasium floor, northeast corner of gym	ND
NC12	NC-MS5-12	1" x 1" Ceramic tile and grout – beige with gray grout	Ceramic	1961 Building, large pool area	Center swimming pool, on the northwest corner of the pool	ND
			Grout			ND
NC13	NC-HP2-13	Plaster (hard finish) on wood lath – white, painted blue	Plaster	1905 Building, 1st floor east and south entrances	Main lobby area, center of wall by the southeast stair entrance	ND
NC14	NC-FT2-14	12" x 12" vinyl floor tile and mastic– white, smooth	Floor tile	1905 Building, 1st floor main lobby	Main lobby area, on the north side of the center counter on the floor	ND
			Mastic			ND
NC 15	NC-CA5-15	Caulk (panel adhesive) – beige, rough texture	Caulk	1905 Building, 1st floor stairwells behind Masonite wall boards	East stairwell landing above the handrail, behind the stair wall paneling	ND
NC16	NC-FT5-16	9” x 9” vinyl floor tile, light tan	Floor tile	1905 Building, 1st floor west side of lobby, beneath carpet and underlayment	Main lobby area, underneath a layer of floor tile and wood underlayment	**5% Chrysotile** **3.6% Chrysotile (PC)**
			Mastic			ND
NC17	NC-FC1-17	Sheet flooring and mastic – red with black and tan specks	Sheet flooring	1905 Building, 1st floor room 6 kitchen area	North room kitchenette area, 2' inside the door at east entrance	ND
			Mastic			ND

[15] HA – indicates homogenous area
[16] NC# – Indicates an HA number assigned to materials/samples that were apparently deemed negative in the EMS Survey and which were subsequently sampled by Terracon and confirmed as ACM through point count analysis.

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
NC18	NC-CT5-18	2' x 2' Ceiling tile – white faced fiberglass panels	Ceiling tile	1905 Building, 1st floor room 6 kitchen area	North room kitchenette area, east entrance above the doorway	ND
NC19	NC-CT4-19	2' x 4' Ceiling tile – white, slightly textured	Ceiling tile	1905 Building, 1st floor, east and south entrances	Southcentral room by main lobby, above the doorway entrance	ND
NC20	NC-FC1-20	Vinyl sheet flooring and mastic - tan	Sheet flooring	1961 Building basement, women's locker room	Central women's locker room, under sink, next to shower room	ND
			Mastic			ND
NC21	NC-FC4-21	Vinyl stair treads and mastic – tan with diamond pattern	Stair tread	1961 Building basement, west stairs to women's locker room	Upper locker room entrance, stairwell down to locker rooms	ND
			mastic			ND
NC22	NC-CT5-22	2' x 4' Ceiling tile – brown, ½" fibrous with tan face	Ceiling tile	1905 Building, 1st floor, small storage area, west side	Basement storage room / crawlspace	ND
NC23	NC-WB4-23	Spray-on popcorn coating – white, rough texture	Spray-on coating	1905 Building 1st floor - 1F elevator room; basement room B-2	Basement area, southwest corner in elevator lobby on the ceiling	ND
NC24	NC-CA3-24	Caulk – gray smooth texture	Caulk	1961 Building, girl's locker room, south hallway, east windows of the large pool room	Main locker room area, by the gym (tilt-up conc.)	ND
NC25	NC-CA3-25	Caulk – white, brittle, rough texture	Caulk	1978 Building 3rd floor running track	Track area, on east wall, brick wall seams (brick joints)	ND
PC[17]1	PC1-PI1-01	Thermal Systems Insulation (TSI) Mag pipe insulation, white with canvas wrap	Insulation	1905 Building – basement room B-5 and B-9 boiler room	Basement landing, bottom of east stairwell, overhead	**12.75% Chrysotile**
	PC1-PI1-02		Insulation		Basement area, north side of small office next to east stairs	Positive Stop (not analyzed)
			Wrap			ND
	PC1-PI1-03		Insulation		Basement area, north side of small office next to east stairs	Positive Stop (not analyzed)
			Wrap			ND
PC2	PC2-MJ3-04	TSI mudded joint fitting with canvas wrap	Mudded joint	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, south main room above the drop ceiling against north wall	**7.98% Chrysotile**
	PC2-MJ3-05		Mudded joint		Basement area, women's locker room back of room above the drop ceiling	Positive Stop (not analyzed)
	PC2-MJ3-06		Mudded joint		2nd Floor mechanical room above the ductwork	Positive Stop (not analyzed)
PC3	PC3-MJ4-07	TSI mudded joint fitting with canvas wrap, associated with fiberglass piping	Fitting	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, south room along north wall	**12.50% Chrysotile**
			Wrap			**1.50% Chrysotile**
	PC3-MJ4-08		Fitting		Gymnasium, southeast corner below elevated heater	Positive Stop (not analyzed)
			Wrap			
	PC3-MJ4-09		fitting		Basement area, near women's locker room entrance	Positive Stop (not analyzed)
PC4	PC4-PI3-10	TSI layered paper pipe insulation - with canvas wrap (hard-wrap)	Piping	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, near bottom of east stairwell	**8.00% Chrysotile**
	PC4-PI3-11		Piping		Basement area, women's locker room back	Positive Stop (not analyzed)
	PC4-PI3-12		Piping		2nd Floor mechanical room above the ductwork	Positive Stop (not analyzed)
PC5	PC5-FT1-13	9-inch (") x 9" Vinyl floor tile (VFT), red and black mastic	Floor tile	1905 Building – SE corner of the basement room B-1; 1st floor room 4; 2nd floor room 2F kitchen	Basement area, southeast room along near center of room	**5.6% Chrysotile**
			Mastic, black			**3.3% Chrysotile**
	PC5-FT1-14		Floor tile		1st Floor, southeast room near entrance	Positive Stop (not analyzed)
			Mastic, black			
	PC5-FT1-15		Floor tile		2nd Floor kitchen area near entrance	Positive Stop

[17] PC# – indicates an HA number assigned to a confirmatory sample for a material that was apparently indicated as ACM in the EMS Report. Note: these samples were analyzed with a 400-point county analytical method; non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted.

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
			Mastic, black			(not analyzed)
			Tar paper			<0.25% Chrysotile
PC6	PC6-FT1-16	9” x 9” VFT - beige with tan & brown spots and black mastic	Floor tile	1905 Building – basement room B-1; 1961 building sub-level women’s and girl’s locker rooms, 1st hallways and stairwells to 2nd floor	Basement area, bottom of east stairwell	**1.2% Chrysotile**
			Mastic, black			<0.25% Chrysotile
	PC6-FT1-17		Floor tile		1st Floor, southeast room near entrance	Positive Stop (not analyzed)
			Mastic			Insufficient Material
			Mastic, black			<0.25% Chrysotile
	PC6-FT1-16		Floor tile		1st Floor, southeast room near entrance	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
PC7	PC7-FT1-19	9” x 9” VFT - (multiple colors) grey with white specks and black mastic	Floor tile	1905 Building – basement stair landing; 1st room 3, west side storage	1st Floor, storage room near counter by entrance	**1.7% Chrysotile**
			Mastic, black			<0.25% Chrysotile
	PC7-FT1-20		Floor tile		1st Floor, storage room near counter along north wall	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
	PC7-FT1-21		Floor tile		1st Floor, storage room near counter back of room by south wall	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
PC8	PC8-FT1-22	9” x 9” VFT - beige with brown & white streaks and black mastic	Floor tile	1905 Building 2nd floor, 2F north, south, and east hallways, 2F restroom, 2F rooms 7-9 3rd floor	2nd Floor, outside north restrooms	**2.8% Chrysotile**
			Mastic, black			**1.1% Chrysotile**
	PC8-FT1-23		Floor tile		2nd Floor, main room southwest corner	Positive Stop (not analyzed)
			Mastic, black			
	PC8-FT1-24		Floor tile		3rd Floor, common room along south area	Positive Stop (not analyzed)
			Mastic, black			
PC9	PC9-FT1-25	9” x 9” VFT - white with brown streaks	Floor tile	1905 Building –2nd floor, room 2F kitchen	2nd Floor, near north entrance of kitchen	**5.2% Chrysotile**
			Mastic, black			<0.25% Chrysotile
	PC9-FT1-26		Floor tile		2nd Floor, center of building, old kitchen area	Positive Stop (not analyzed)
			Mastic, black			Insufficient Material
	PC9-FT1-27		Floor tile		2nd Floor, near west entrance of kitchen	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
PC10	PC10-FC1-28	Sheet flooring - tan with black tar paper backing	Floor sheeting	1905 Building –2nd and 3rd floor apartment units	2nd Floor, room 1 under carpet and sub-floor	<0.25% Chrysotile
	PC10-FC1-29		Floor sheeting		3rd Floor, room 8 under carpet and sub-floor	<0.25% Chrysotile
	PC10-FC1-30		Floor sheeting		3rd Floor, room 11 under carpet and sub-floor	<0.25% Chrysotile
PC11	PC11-FC1-31	Sheet flooring - green with black tar paper backing	Floor sheeting	1905 Building –2nd and 3rd floor apartment units	2nd Floor, room 2 under carpet and sub-floor	<0.25% Chrysotile
	PC11-FC1-32		Floor sheeting		3rd Floor, room 20 under carpet and sub-floor	0.4% Chrysotile
	PC11-FC1-33		Floor sheeting		3rd Floor, room 23 under carpet and sub-floor	0.5% Chrysotile
PC12	PC12-FC1-34	Sheet flooring - grey with black tar paper backing	Floor sheeting	1905 Building –2nd and 3rd floor apartment units	2nd Floor, room 3 under carpet and sub-floor	0.8% Chrysotile
	PC12-FC1-35		Floor sheeting		3rd Floor, room 9 under carpet and sub-floor	0.9% Chrysotile
	PC12-FC1-36		Floor sheeting		3rd Floor, room 19 under carpet and sub-floor	0.3% Chrysotile
PC13	PC13-FT2-37	12” x 12” vinyl floor tile - white with brown streaks and black mastic	Floor tile	1961 Building – South walkway to 1978 building, southeast lobby, west locker rooms, hallways, stairwells; 2nd floor hallways, west and east gym	1st Floor, southeast side of lobby/hallway	**3.4% Chrysotile**
			Mastic, black			**2.6% Chrysotile**
	PC13-FT2-38		Floor tile		2nd Floor, outside handball court	Positive Stop (not analyzed)
			Mastic, black			

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
	PC13-FT2-39		Floor tile	offices, 3rd floor hallways and stairwell, custodial closet	2nd Floor, east hallway by gymnasium	Positive Stop (not analyzed)
			Mastic, black			
PC14	PC14-FT1-40	9” x 9” vinyl floor tile, brown and black mastic	Floor tile	1905 Building – basement room B-1 SE corner, room B-2; 2nd floor – 2F kitchen	Basement area, southeast room along near center of room	**12.2% Chrysotile**
			Mastic, black			**3.5% Chrysotile**
	PC14-FT1-41		Floor tile		Basement area, southeast room near entrance	Positive Stop (not analyzed)
			Mastic, black			
	PC14-FT1-42		Floor tile		Basement area, southeast room along southeast wall	Positive Stop (not analyzed)
			Mastic, black			
PC15	PC15-FT1-43	9” x 9” vinyl floor tile - beige with streaks and mixed mastic	Floor tile	1905 Building – basement room B-2	Basement area, southwest room near entrance	**5.8% Chrysotile**
			Mastic, black			0.3% Chrysotile
			Mastic, yellow			<0.25% Chrysotile
	PC15-FT1-44		Floor tile		Basement area, southwest room near center	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
			Mastic, yellow			<0.25% Chrysotile
	PC15-FT1-45		Floor tile		Basement area, southwest room near north wall	Positive Stop (not analyzed)
			Mastic, black			0.8% Chrysotile
			Mastic 2, yellow			<0.25% Chrysotile
1[18]	1-CA3-01	Caulk – black, rough texture	Adhesive	1905 Building - 2nd floor, 2F room 7, behind the wood paneling on walls	North room on the northwest side, center mid-wall, behind paneling	**4% Chrysotile (PLM) 3.8% Chrysotile (PC)**
	1-CA3-02		Adhesive		North room, north wall center of room	**4% Chrysotile (PLM) 4.6% Chrysotile (PC)**
	1-CA3-03		Adhesive		North room, south wall, southeast corner, mid-wall	**3% Chrysotile (PLM) 4.3% Chrysotile (PC)**
2	2-MG6-04	Glue pucks associated with 1' x 1' ceiling tile – light brown, smooth	Adhesive	1905 Building - east stairwell in the ceiling	East stairwell, between 1st and 2nd floor, above the stairs	ND
	2-MG6-05		Adhesive		East stairwell, between 1st and 2nd floor, above the stairs	ND
	2-MG6-06		Adhesive		East stairwell, between 1st and 2nd floor, above the stairs	ND
3	3-FC3-07	Cove base and mastic – gray with yellow glue and mastic	Cove base	1905 Building – 1st floor rooms 1, 2, 4, 5; 2nd floor rooms 7-9, and north, south, and east hallways, apartment units; 1961 building – south walkway to the 1978 building	Main lobby area on the southeast wall, near the entrance stairs	ND
			Glue			ND
	3- FC3-08		Cove base		Main hallway on the west wall, near restroom	ND
			Glue			<1% Chrysotile (PLM) <0.25% Chrysotile (PC)
	3- FC3-09		Cove base		Main front hallway on the west end, near the stairs to 1905 building	ND
			Glue			ND
4	4-MA1-10	2" x 8" Brick and mortar – tan with gray mortar	Brick	1905 Building – perimeter and interior walls in the basement, 1st, 2nd, and 3rd floors; 1961 building room 9 and 10	Basement area, near bottom of east stairwell, above the north room entrance	ND
			Mortar			ND
	4-MA1-11		Brick		North room on the east wall, in duct chase about mid-wall	ND
			Mortar			ND
	4-MA1-12		Brick		Main front hallway on the east side, above the “1961” granite marker	ND
			Mortar			ND
5	5-CA2-13	Caulk – gray rough exterior, smooth inner material	Caulk		Main front lobby area, southwest door frame (painted gray)	ND

[18] # - indicates an HA number assigned to additional samples/materials that were not apparently surveyed by EMS

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
	5-CA2-14		Caulk	1905 Building – 1st floor, interior door frames 1961 building – main front hallway, and locker room windows; 1978 building – 1st floor windows and door frames	Main front hallway, east door frame to the lower locker rooms	ND
	5-CA2-15		Caulk		Main front hallway, west door frame to the 1978 building	ND
6	6-MA1-16	2” x 8” Ceramic-face brick and mortar – aqua green and black, smooth texture	Brick	1961 building – South hallway to the 1978 building	Main front hallway, by the east stairwell where green meets black brick	ND
			Mortar			ND
	6-MA1-17		Brick		Main front hallway, lower section where black brick meets granite slab on east end	ND
			Mortar			ND
	6-MA1-18		Brick		Main front hallway, west side lower end of green brick, 10’ from doors	ND
			Mortar			ND
7	7-FP1-19	Spray-on Fireproofing – white thick popcorn texture	Spray-on	1905 Building, basement room B-6, north end of building	Basement area, north room, west corner by heater	ND
	7-FP1-20		Spray-on		Basement area, north room center, by electrical junction box	ND
	7-FP1-21		Spray-on		Basement area, north room by the entrance, east side of door	ND
	7-FP1-82		Spray-on		North room (B-6), east wall by mech. Room, by 2nd steel column	ND
	7-FP1-83		Spray-on		North room (B-6), east wall, NE corner by end of duct work	ND
	7-FP1-84		Spray-on		North room (B-6), south wall, SW corner of B-6 by speaker	ND
8	8-PI4-22	Fiberglass pipe insulation and mastic – yellow fiberglass with white paper face and mastic	Insulation	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy’s restroom pipe chase; women’s and girl’s locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, north room, west corner by heater	ND
			Mastic			ND
	8-PI4-23		Insulation		Basement area, north room by the entrance, east side of door	ND
			Mastic			ND
	8-PI4-24		Insulation		1st Floor boy’s restroom, pipe chase	ND
			Mastic			ND
9	9-MA2-25	8” x 16” concrete masonry unit (CMU) block and mortar – gray with light gray mortar	CMU block	1905 Building – basement interior walls; 1961 building, sub-level locker rooms, mezzanine mechanical room, interior and exterior wals1978 building – 1st, 2nd, and 3rd floor interior perimeter walls, locker rooms, hallways, and stairwells	Basement area, north mechanical room, right side of door on corner	ND
			Mortar			ND
	9-MA2-26		CMU block		1st Floor hallway entrance to the lower locker rooms, by main front hallway	ND
			Mortar			ND
	9-MA2-27		CMU block		Main lobby area, next to the front closet area, mid-wall	ND
			Mortar			ND
10	10-WP6-28	Electrical wiring – single-strand, black woven sheath run through ceramic insulators	Sheath	1905 Building – basement, 1st,2nd, and 3rd floors, concealed in walls, chases, floors, and rafters	2nd Floor, above the main hallway on south side	ND
			Insulator			ND
	10-WP6-29		Sheath		3rd Floor, above the ceiling tile in the main common area, south side	ND
			Insulator			ND
	10-WP6-30		Sheath		3rd Floor, above the ceiling tile in the main common area, north side	ND
			Insulator			ND
11	11-WP6-31	Electrical wiring – double-strand, black woven sheath with silver and gray coating	Sheath	1905 Building – basement, 1st,2nd, and 3rd floors, concealed in walls, chases, floors, and rafters	2nd Floor, room 2 under carpet and sub-floor	ND
			Insulator			ND
			Insulator 2			ND
			Insulator			ND
	11-WP6-32		Sheath		3rd Floor, room 20 under carpet and sub-floor	ND
			Insulator			ND
			Insulator 2			ND
			Insulator			ND
	11-WP6-33		Sheath		3rd Floor, room 23 under carpet and sub-floor	ND
			Insulator			ND

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
			Insulator 2			ND
			Insulator			ND
12	12-MG7-34	Carpet adhesive – yellow, rough texture, sticky	Adhesive	1905 Building – basement, 1st 2nd, and 3rd floors; 1961 building, sub-level locker rooms, 2nd floor offices; 1978 building, locker rooms and offices	Southeast entrance area, under carpet squares on marble circle design floor	ND
	12-MG7-35		Adhesive		Main lobby area, southeast stairwell kickboards	ND
	12-MG7-36		Adhesive		Main lobby area, on flooring next to southwest elevator entrance	ND
13	13-MA2-37	6” x 12” CMU and mortar – glaze-faced block, with light gray mortar	CMU	1961 Building – sub-level locker women’s and girl’s rooms, offices, large pool room, 2F gym; 1978 building locker women’s and girl’s rooms, offices, small pool room	Lower-level locker room lobby, between men’s and women’s locker rooms	ND
			Mortar			ND
	13-MA2-38		CMU		Women’s locker room by west wall, lower wall, center	ND
			Mortar			ND
	13-MA2-39		CMU		Men’s locker room, south wall before pool entrance	ND
			Mortar			ND
14	14-FC3-40	Cove base and mastic – black with brown and yellow mastic	Cove base	1961 Building – sub-level locker rooms hallways, and stairwells; 1978 building main lobby and west hallway	Lower locker room entrance in main front hallway, at top of stair landing	ND
			Mastic			ND
	14-FC3-41		Cove base		Main lobby area, down the west hallway	ND
			Mastic			ND
	14-FC3-42		Cove base		Main lobby area, on south wall near the east doorway	ND
			Mastic			ND
15	15-CA1-43	Caulk – gray, weathered, rough texture	Caulk	1905 Building – basement, 1st, 2nd, and 3rd floor exterior window frames, 1961 building – exterior vents and wall penetrations	Room 18, exterior window caulk around window frame	**6% Chrysotile (PLM)** <0.25% Chrysotile (PC)
	15-CA1-44		Caulk		Southeast room, south wall, exterior window caulk around window frame	ND
	15-CA1-45		Caulk		Exterior north wall, center, around exhaust vent	**5% Chrysotile (PLM) 1.9% Chrysotile (PC)**
16	16-RF6-46	Built-up roof – black tar paper w/felt paper, yellow foam insulation, & white gypsum board	Tar paper	1905, 1961, and 1978 Building roofs	1905 Building, room 2 – southeast end by east wall, between the two SE windows	ND
			Foam			ND
			Insulation			ND
			Rubber			ND
	16-RF6-47		Tar paper		1905 Building, lower roof 2 – south end, SE side between exhaust vent and wall	ND
			Foam			ND
			Insulation			ND
	16-RF6-48		Tar paper		1961 Building, room 3 – east side central area, next to the access wall-ladder	ND
			Foam			ND
			Insulation			ND
			Gypsum			ND
			Backing			ND
17	17-WP1-49	Vibration cloth – white, woven canvas type material	Vibration cloth	1905 Building - basement mechanical room, pool mechanical room. 1961 Building – mezzanine mechanical room	1905 basement mechanical room (room B-7), south elevated unit	**20% Chrysotile**
	17-WP1-50		Vibration cloth		1905 Building pool mechanical room, central elevated duct unit	**25% Chrysotile**
	17-WP1-51		Vibration cloth		2nd Floor mechanical room, south air handler unit, south wall central area	**35% Chrysotile**
18	18-MA5-52	3' x 5' Marble tile slabs and associated thin set	Tile	1905 Building 1st floor south entryway and east entryway	1905 Building 1st floor south entryway, top of stair landing, east side top of slab	ND
			Thin set			ND
	18-MA5-53		Tile		1905 Building 1st floor east entryway, lower landing, south side of door, centered	ND
			Thin set			ND
	18-MA5-54		Tile		1905 Building 1st floor east entryway, lower landing, south side of door, bottom	ND
			Thin set			ND

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
19	19-MA5-55	5" x 12" Ceramic block and grout – off-white with brown specks	Ceramic block	1905 Building, sub-level women's and young girl's locker rooms	1905 Sub-level women's locker room, NW side next to steam room, by electrical box	ND
			Grout			ND
	19-MA5-56		Ceramic block		1905 Sub-level women's locker room, NW shower room by south drain area	ND
			Grout			ND
	19-MA5-57		Ceramic block		1905 Sub-level women's locker room, North-central area above the west sink	ND
			Grout			ND
20	20-MA5-58	5" x 12" Ceramic block and grout – tan w/gray grout	Ceramic block	1961 Building – sub-level locker women's and girl's rooms, offices, large pool room, 2F gym; 1978 building locker women's and girl's rooms, offices, small pool room	1905 Sub-level women's locker room, south end by central entrance, by sinks	ND
			Grout			ND
	20-MA5-59		Ceramic block		1961 Building, large pool room, NW corner by entrance to small pool room	ND
			Grout			ND
	20-MA5-60		Ceramic block		1961 Building, 2nd floor gym, SW corner doorway, at upper right door jamb	ND
			Grout			ND
21	21-MA3-61	5"x 12" Quarry tile and associated thin set, and grout – dark brown w/gray grout	Tile	1978 Building, men's shower room, west side entrance	Men's locker room, NE corner of men's shower room at the north end of drain	ND
			Thin set			ND
			Grout			ND
	21-MA3-62		Tile		Men's locker room, NW corner of men's shower room exit to pool, by the drain	ND
			Thin set			ND
			Grout			ND
	21-MA3-63		Tile		Men's locker room, SE corner of the shower room, south end of the drain	ND
			Thin set			ND
			Grout			ND
22	22-CP1-64	2' x 2' Cement board – gray smooth and peg board style panels	Cement board	1905 building, basement, room B-4; 1961 Building, large pool room ceiling; 1978 building small pool room	1961 Building, large pool room, NW corner of ceiling near entrance to small pool room	**18% Chrysotile**
	22-CP1-65		Cement board		1961 Building, large pool room, NE corner of ceiling near entry to pool storage room	**20% Chrysotile**
	22-CP1-66		Cement board		1961 Building, large pool room, SE corner of ceiling near entry to girl's locker room	**25% Chrysotile**
23	23-WP1-67	Vibration cloth – green, woven canvas type material	Vibration cloth	1978 Building, 3rd floor mechanical room	3rd Floor mechanical room, west side of room on exhaust fan #3, east side	ND
	23-WP1-68		Vibration cloth		3rd Floor mechanical room, east side by door, on air handler unit for handball courts	ND
	23-WP1-69		Vibration cloth		3rd Floor mechanical room, south-central wall on small, elevated tank	ND
24	24-MA5-70	Marble tile and grout – white round tile with black grout	Tile	1905 Building, basement elevator room, and 1st floor lobby room 1	1905 Building 1st floor, room 1-1, lobby area south entry at top south stair landing, center area	ND
			Grout			ND
	24-MA5-71		Tile		1905 Building 1st floor, room 1-1, east stairs lower landing, north end at top of steps	ND
			Grout			ND
	24-MA5-72		Tile		1905 Building basement, elevator room (B-9) at doorway threshold, centered	ND
			Grout			ND
25	25-MA5-73	Concrete skim coat – gray rough texture	Skim coat	1905 Building, exterior foundation	1905 Building, exterior north wall, under the red fire escape under the yellow brick	ND
			Texture			ND
	25-MA5-74		Skim coat		1905 Building, exterior north wall, east corner by exposed limestone block	Layer not present
			Texture			ND
	25-MA5-75		Skim coat		1905 Building, exterior east wall, at NE corner of building by exposed limestone block	ND
			Texture			ND
26	26-SC2-76	Tar sealant – black, smooth texture	Sealant	1978 Building, exterior walls	1978 building exterior, south wall center, where sidewalk meets concrete wall	ND
	26-SC2-77		Sealant		1978 building exterior, south wall SW corner, where sidewalk meets concrete wall	ND

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
	26-SC2-78		Sealant		1978 building exterior, west wall center, where sidewalk meets concrete wall	ND
27	27-WP1-79	Vibration cloth – red woven canvas type material	Vibration cloth	1961 Building, mezzanine mechanical room	1961 Building, 2nd floor mechanical room, SW corner of room on upper air handler unit	ND
	27-WP1-80		Vibration cloth		1961 Building, 2nd floor mechanical room, NW corner of room on copper fan duct	ND
	27-WP1-81		Vibration cloth		1961 Building, 2nd floor mechanical room, NW corner on east side, on gray duct by wall	ND

TABLE 5 - LBP XRF SURVEY SUMMARY

Lead-based paints (≥1.0 mg/cm^2) are indicated in **bold**. A *negative* classification indicates that lead is not present on the testing combination at or above the HUD/EPA standard. The walls were sampled using the format of the wall immediately to the left in each room or area as "A" wall then going clockwise around the room for walls "B", "C", and "D". Note that some rooms have more than one door/access point, and so the reference point starts where the inspector entered the room.

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm^2)	Friction or Impact Surface (Y or N)	Notes
Pre-call 1	NA	NA	NA	NA	1.0	NA	NA
Pre-Cal 2	NA	NA	NA	NA	1.0	NA	NA
Pre-Cal 3	NA	NA	NA	NA	1.0	NA	NA
Blank-Cal	NA	NA	NA	NA	0.1	NA	NA
1	**Plaster**	**Wall**	**White**	**1905 building main entrance, left side wall above the marble**	**1.7**	**N**	
2	Wood	Wall Trim	Grey	Main entrance, left side wall above the marble	0.4	N	
3	Wood	Ceiling Trim	Grey	Main entrance above the door	0.4	N	
4	**Plaster**	**Ceiling**	**White**	**1905 building, main entrance above the door**	**1.6**	**N**	
5	**Drywall**	**Wall**	**Blue**	**1905 building, main lobby, A wall, just north of partially open chase**	**1.1**	**N**	
6	Drywall	Wall	Blue	Main lobby, A wall, approximate center of wall	0.8	N	
7	Drywall	Wall	Blue	Main lobby, A wall, north corner near B wall	0.2	N	
8	Drywall	Wall	White	Main lobby, B wall, far northwest corner of room near entrance to girl's locker room	0.3	N	
9	Metal	Breaker box	Grey	Main lobby, B wall east of girl's locker room	0.2	N	
10	Drywall	Wall	Grey	Room east of main lobby, A wall	0.3	N	
11	Wood	Support pole	Grey	Room east of main lobby, south support pole	0.2	N	
12	Wood	Windowsill	White	Room east of main lobby, C wall	0.3	N	
13	Wood	Window trim	White	Room east of main lobby, C wall (windows between room and main lobby)	0.2	N	
14	Drywall	Wall	Green	Closet wall inside room north of main lobby	0.1	N	
15	Wood	Wall Paneling	Tan	B wall of room north of main lobby	0.9	N	
16	Wood	Wall Paneling	Tan	D wall of room north of main lobby	0.3	N	
17	**Plaster**	**Wall**	**White**	**1905 building, short hallway wall leading to lower-level girls locker room from main lobby**	**1.4**	**N**	
18	Metal	Door	Light grey	Hallway near steps to girl's locker room	0.0	N	
19	Metal	Door frame	Light grey	Hallway near steps to girl's locker room	0.1	N	
20	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block on B wall, entrance area of girl's locker room**	**1.4**	**N**	
21	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block on C wall, entrance area of girl's locker room**	**1.3**	**N**	
22	Metal	Locker frame	Grey blue	Locker frame in girl's locker room	0.4	N	Heavy peeling/flaking
23	Metal	Locker door	Grey blue	Locker door in girl's locker room	0.3	N	Heavy peeling/flaking
24	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block in shower area of girl's locker room**	**1.5**	**N**	
25	Metal	Door	Light grey	Lower entrance door to girl's locker room	0.1	N	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm²)	Friction or Impact Surface (Y or N)	Notes
26	Metal	Door frame	Light grey	Lower entrance door to girl's locker room	0.1	N	
27	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block in second shower area of girl's locker room**	**1.3**	**N**	
28	Wood	Window frame	Grey	East side lower entrance of main building	0.2	N	
29	Metal	Door	Grey	East side lower entrance of main building (interior)	0.1	N	
30	Metal	Door Frame	Grey	East side lower entrance of main building (interior)	0.1	Y	
31	Wood	Wall trim	Grey	Trim above marble at lower entrance	0.3	N	
32	Metal	Radiator	White	East side lower entrance of main building	0.2	N	
33	Wood	Wall paneling	Beige	East side lower entrance of main building, above marble	0.3	N	
34	Brick	Wall	White	Main building basement area, north room, A wall	0.1	N	
35	Brick	Wall	Red	Main building basement area, north room, A wall	0.2	N	
36	Brick	Wall	Yellow	Main building basement area, north room, A wall	0.1	N	
37	Brick	Wall	White	Main building basement area, north room, C wall	0.1	N	
38	Metal	Support pole	White	Main building basement area, north room, northwest pole	0.4	N	
39	Concrete masonry unit (CMU) block	Wall	White	Main building basement area, main room, A wall	0.2	N	
40	Wood	Support pole	White	Main building basement area, main room, northwest pole	0.2	N	
41	CMU block	Wall	Blue	Main building basement area, main room, A wall	0.1	N	
42	Brick	Wall	White	Main building basement area, main room, C wall	0.2	N	
43	Brick	Wall	Blue	Main building basement area, main room, C wall	0.1	N	
44	Metal	Door	Blue	Main building basement area, main room, C wall	0.1	N	
45	Metal	Door frame	Blue	Main building basement area, main room, C wall	0.1	N	
46	Wood	Wall paneling	Beige	Main building, stairwell from main floor to 2F	0.2	N	
47	Wood	Door	NA	Main building, door to 2F	0.0	N	
48	Wood	Door frame	NA	Main building, door to 2F	0.0	N	
49	Wood	Stair rail	Black	Main building, landing between 1F and 2F	0.2	N	
50	Wood	Stair bannister	White	Main building, landing between 1F and 2F	0.1	N	
51	Drywall	Wall	White	North room/area of 2F, hallway	0.2	N	
52	Metal	Door	White	Door to north room area, main building, 2F	0.1	N	
53	Metal	Door frame	White	Door to north room area, main building, 2F	0.1	N	
54	Plaster	Wall	White	North room/area of 2F, west hallway	0.2	N	
55	**Metal**	**Support pole**	**White**	**1905 Building, 2F, multipurpose room, southwest pole**	**1.9**	**N**	
56	**Metal**	**Support pole**	**White**	**1905 Building, 2F, multipurpose room, northeast pole**	**2.2**	**N**	
57	Wood	Wall paneling	White	Small "gym" area, main building 2F, B wall	0.2	N	
58	Wood	Wall paneling	NA	Main building, 2F, small room adjoined to small gym	0.0	N	
59	Drywall	Wall	Light blue	Main building, 2F restroom	0.2	N	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm²)	Friction or Impact Surface (Y or N)	Notes
60	Drywall	Wall	White	Main building, 2F, former living area, approximate center of hallway	0.2	N	
61	Drywall	Wall	White	Main building, 2F, former living area, hallway entrance	0.1	N	
62	Drywall	Wall	White	Main building, 2F, Unit 1 A wall	0.1	N	
63	Drywall	Wall	White	Main building, 2F, Unit 1 A wall	0.2	N	
64	Wood	Door	NA	Main building, 2F, Unit 1	0.0	N	
65	Wood	Door	NA	Main building, 2F, Unit 1	0.0	N	
66	Drywall	Wall	White	Main building, 2F, Unit 3 B wall	0.2	N	
67	Drywall	Wall	White	Main building, 2F, Unit 3 D wall	0.2	N	
68	Wood	Door	NA	Main building, 2F, Unit 3	0.0	N	
69	Wood	Door	NA	Main building, 2F, Unit 3	0.1	N	
70	Drywall	Wall	White	Main building, 2F, Unit 5 A wall	0.2	N	
71	Drywall	Wall	White	Main building, 2F, Unit 5 C wall	0.1	N	
72	Wood	Door	NA	Main building, 2F, Unit 5	0.0	N	
Mid-day Cal 1	NA	NA	NA	NA	1.0	NA	
Mid-day Cal 2	NA	NA	NA	NA	1.0	NA	
Mid-day Cal 3	NA	NA	NA	NA	1.0	NA	
Mid-day negative Cal	NA	NA	NA	NA	0.1	NA	
73	Drywall	Wall	White	Main building, 2F, A wall of restroom adjacent to Unit 2	0.2	N	
74	Ceramic block (1")	Wall	NA	Main building, 2F, A wall of restroom adjacent to Unit 2	0.0	N	
75	Wood	Stair rail	Black	Main building, stairwell to 3F	0.1	N	
76	Wood	Stair bannister	White	Main building, stairwell to 3F	0.1	N	
77	Wood	Door	NA	Main building, entrance to 3F	0.0	N	
78	Wood	Door frame	NA	Main building, entrance to 3F	0.0	N	
79	Drywall	Wall	White	A wall of main open room/area, 3F	0.2	N	
80	Drywall	Wall	White	C wall of main open room/area, 3F	0.1	N	
81	Drywall	Ceiling	White	Approximate center of main open room/area, 3F	0.1	N	
82	Drywall	Wall	White	Main building, 3F, Unit 8 B wall	0.2	N	
83	Drywall	Wall	White	Main building, 3F, Unit 8 D wall	0.2	N	
84	Wood	Door	White	Main building, 3F, Unit 8	0.1	N	
85	Wood	Door	White	Main building, 3F, Unit 8	0.1	N	
86	Drywall	Wall	White	3F hallway, approximate center	0.2	N	
87	Drywall	Wall	White	3F hallway, next to Unit 8	0.1	N	
88	Drywall	Wall	White	3F restroom, A wall	0.1	N	
89	Ceramic tile	Wall	Grey (glazing)	3F restroom, C wall	0.0	N	
90	Wood	Door	White	3F restroom	0.1	N	
91	Wood	Door frame	White	3F restroom	0.2	N	
92	Brick	Wall	Teal Blue	1961 building, hallway area near pools and pool locker rooms, east end near main building	0.0	N	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm²)	Friction or Impact Surface (Y or N)	Notes
93	Brick	Wall	Teal Blue	1961 building, hallway area near pools and pool locker rooms, west end near pools	0.1	N	
94	Concrete	Wall	White	1961 building, hallway area near pools and pool locker rooms, west end near pools	0.2	N	
95	CMU	Wall	White	1961 building, open area before the locker rooms, C wall	0.3	N	
96	Block	Wall	Glazing	1961 building, open area before the locker rooms, B wall	0.0	N	
97	**Ceramic block**	**Wall**	**Glazing**	**Small pool area, A wall, glazed block**	**1.5**	**N**	
98	**Ceramic block**	**Wall**	**Glazing**	**Small pool area, D wall glazed block**	**1.8**	**N**	
99	**Ceramic block**	**Wall**	**Glazing**	**Large pool area, A wall glazed block**	**1.8**	**N**	
100	**Ceramic block**	**Wall**	**Glazing**	**Large pool area, C wall glazed block**	**1.6**	**N**	
101	**Ceramic block**	**Wall**	**Glazing**	**Large pool area, D wall glazed block**	**1.9**	**N**	
102	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, near entrance area to pool, C wall**	**1.6**	**N**	
103	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, shower area, B wall**	**1.8**	**N**	
104	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, bathroom area, A wall**	**1.5**	**N**	
105	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, utility closet C wall**	**1.4**	**N**	
106	Plaster	Support pole	White	Approximate center of men's locker room	0.1	N	
107	Metal	Stair rail	Brown	1961 building, stairwell to 2F	0.1	N	
108	Metal	Stair bannister	Brown	1961 building, stairwell to 2F	0.2	N	
109	Wood	Floor	NA	1961 gymnasium area, near D wall entrance from pool side	0.0	N	
110	Wood	Floor	NA	1961 gymnasium area, B wall side, near the center edge of the floor	0.0	N	
111	Wood	Door/opening trim	NA	1961 gymnasium area, B wall side	0.0	N	Peeling/flaking
112	Wood	Floor	NA	1961 gymnasium, approximate center of gym floor		N	
113	**Ceramic block**	**Wall**	**Glazing**	**1961 gymnasium, lower portion of D wall**	**1.5**	**N**	
114	**Ceramic block**	**Wall**	**Glazing**	**1961 gymnasium, lower portion of A wall**	**1.6**	**N**	
115	Plaster	Wall	White	Stairwell to small 3F area in 1961 building	0.5	N	
116	Plaster	Wall	White	1978 building, 3F office hallway area, 1961 building	0.1	N	
117	Plaster	Wall	White	1978 building, 3F office, A wall	0.2	N	
118	Plaster	Wall	White	1978 building, 3F office, D wall	0.3	N	
119	Plaster	Wall	White	1978 building, 3F outside of small pickleball court	0.3	N	
120	Plaster	Wall	White	Stairwell between 2F and 3F	0.2	N	
121	Drywall	Wall	White	Stairwell between 2F and 3F, damaged wall area near 1905 building (living area)	0.1	N	
Post-Cal 1	NA	NA	NA	NA	1.0	NA	
Post-Cal 2	NA	NA	NA	NA	1.0	NA	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm^2)	Friction or Impact Surface (Y or N)	Notes
Post-Cal 3	NA	NA	NA	NA	1.1	NA	
Negative Cal	NA	NA	NA	NA	0.1	NA	

APPENDIX B

ANALYTICAL LABORATORY REPORTS AND CHAINS-OF-CUSTODY

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Attn: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone:	(563) 355-0702
Fax:	(319) 355-4789
Collected:	
Received:	11/02/2021
Analyzed:	11/12/2021

Proj: YMCA ACM Point Count Sampling / 480-3rd Street / Former YMCA / 07207086

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC1-PL1-01 ***Lab Sample ID:*** **042127615-0001**

Sample Description: Basement Landing, Bottom of East Stairwell, Overhead/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/08/2021	White	0.0%	87.3%	**12.75% Chrysotile**	System_ID:

Client Sample ID: PC1-PL1-02-Insulation ***Lab Sample ID:*** **042127615-0002**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC1-PL1-02-Wrap ***Lab Sample ID:*** **042127615-0002A**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/11/2021	Brown/White	90.0%	10.0%	None Detected	System_ID:

Client Sample ID: PC1-PL1-03-Insulation ***Lab Sample ID:*** **042127615-0003**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC1-PL1-03-Wrap ***Lab Sample ID:*** **042127615-0003A**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/11/2021	Brown/White	90.0%	10.0%	None Detected	System_ID:

Client Sample ID: PC2-MJ3-04 ***Lab Sample ID:*** **042127615-0004**

Sample Description: Basement Area, South Main Room Above the Drop Ceiling Against North Wall/Mudded Joint Fitting w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/08/2021	Tan	20.0%	72.0%	**7.98% Chrysotile**	System_ID:

Client Sample ID: PC2-MJ3-05 ***Lab Sample ID:*** **042127615-0005**

Sample Description: Basement Area, Women's Locker Room Back of Room Above the Drop Ceiling/Mudded Joint Fitting w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

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Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC2-MJ3-06 ***Lab Sample ID:*** **042127615-0006**

Sample Description: 2nd Floor Mechanical RoomAbove the Duct Work/Mudded Joint Fitting w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC3-MJ4-07-Fitting ***Lab Sample ID:*** **042127615-0007**

Sample Description: Basement Area South Room Along North Wall/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/08/2021	Tan	20.0%	67.5%	**12.50% Chrysotile**	System_ID:

Client Sample ID: PC3-MJ4-07-Wrap ***Lab Sample ID:*** **042127615-0007A**

Sample Description: Basement Area South Room Along North Wall/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021	Tan/White	0.0%	98.5%	**1.50% Chrysotile**	System_ID:

Client Sample ID: PC3-MJ4-08-Fitting ***Lab Sample ID:*** **042127615-0008**

Sample Description: Gymnasium, Southeast Corner Below Elevated Heater/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC3-MJ4-08-Wrap ***Lab Sample ID:*** **042127615-0008A**

Sample Description: Gymnasium, Southeast Corner Below Elevated Heater/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC3-MJ4-09 ***Lab Sample ID:*** **042127615-0009**

Sample Description: Basement Area, Near Women's Locker Room Entrance/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC4-PI3-10 ***Lab Sample ID:*** **042127615-0010**

Sample Description: Basement Area Near Bottom of East Stairwell/Pipe Insulation - Layered Paper with Canvas Wrap (Hard-Wrap)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021	Tan	70.0%	22.0%	**8.00% Chrysotile**	System_ID:

Client Sample ID: PC4-PI3-11 ***Lab Sample ID:*** **042127615-0011**

Sample Description: Basement Area Women's Locker Room Back/Pipe Insulation - Layered Paper with Canvas Wrap (Hard-Wrap)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC4-PI3-12 ***Lab Sample ID:*** **042127615-0012**

Sample Description: 2nd Floor Mechanical Room Above the Duct Work/Pipe Insulation - Layered Paper with Canvas Wrap (Hard-Wrap)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-13-Floor Tile ***Lab Sample ID:*** **042127615-0013**

Sample Description: Basement Area, Southeast Room Near Entrance/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Red	0.0%	94.4%	**5.6% Chrysotile**	

System_ID:

Client Sample ID: PC5-FT1-13-Mastic ***Lab Sample ID:*** **042127615-0013A**

Sample Description: Basement Area, Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	96.7%	**3.3% Chrysotile**	

System_ID:

Client Sample ID: PC5-FT1-14-Floor Tile ***Lab Sample ID:*** **042127615-0014**

Sample Description: 1st Floor Southeast Room Near Entrance/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-14-Mastic ***Lab Sample ID:*** **042127615-0014A**

Sample Description: 1st Floor Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-15-Floor Tile ***Lab Sample ID:*** **042127615-0015**

Sample Description: 2nd Floor Kitchen Area Near Entrance/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-15-Mastic ***Lab Sample ID:*** **042127615-0015A**

Sample Description: 2nd Floor Kitchen Area Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-15-Tar Paper ***Lab Sample ID:*** **042127615-0015B**

Sample Description: 2nd Floor Kitchen Area Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

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EMSL Order ID:	042127615
Customer ID:	TEI93
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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC6-FT1-16-Floor Tile ***Lab Sample ID:*** **042127615-0016**

Sample Description: Basement Area, Bottom of East Stairwell/9"x9" Floor Tile Beige with Tand and Brown Spots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/Tan/Beige	0.0%	98.8%	**1.2% Chrysotile**	

System_ID:

Client Sample ID: PC6-FT1-16-Mastic ***Lab Sample ID:*** **042127615-0016A**

Sample Description: Basement Area, Bottom of East Stairwell/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC6-FT1-17-Floor Tile ***Lab Sample ID:*** **042127615-0017**

Sample Description: 1st Floor Southeast Room Near Entrance/9"x9" Floor Tile Beige with Tand and Brown Spots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC6-FT1-17-Mastic ***Lab Sample ID:*** **042127615-0017A**

Sample Description: 1st Floor Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Insufficient Material	

System_ID:

Client Sample ID: PC6-FT1-17-Mastic 2 ***Lab Sample ID:*** **042127615-0017B**

Sample Description: 1st Floor Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC6-FT1-18-Floor Tile ***Lab Sample ID:*** **042127615-0018**

Sample Description: Basement Area, Women's Locker room Shower Area/9"x9" Floor Tile Beige with Tand and Brown Spots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC6-FT1-18-Mastic ***Lab Sample ID:*** **042127615-0018A**

Sample Description: Basement Area, Women's Locker room Shower Area/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC7-FT1-19-Floor Tile ***Lab Sample ID:*** **042127615-0019**

Sample Description: 1st Floor Storage room Near Counter by Entrance/9"x9" Floor Tile Grey w White Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Gray/White	0.0%	98.3%	**1.7% Chrysotile**	

System_ID:

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EMSL Order ID:	042127615
Customer ID:	TEI93
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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC7-FT1-19-Mastic ***Lab Sample ID:*** **042127615-0019A**

Sample Description: 1st Floor Storage room Near Counter by Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC7-FT1-20-Floor Tile ***Lab Sample ID:*** **042127615-0020**

Sample Description: 1st Floor Storage Room Near Counter along North Wall/9"x9" Floor Tile Grey w White Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC7-FT1-20-Mastic ***Lab Sample ID:*** **042127615-0020A**

Sample Description: 1st Floor Storage Room Near Counter along North Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC7-FT1-21-Floor Tile ***Lab Sample ID:*** **042127615-0021**

Sample Description: 1st Floor Storage Room Near Counter Back of Room by South Wall/9"x9" Floor Tile Grey w White Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC7-FT1-21-Mastic ***Lab Sample ID:*** **042127615-0021A**

Sample Description: 1st Floor Storage Room Near Counter Back of Room by South Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC8-FT1-22-Floor Tile ***Lab Sample ID:*** **042127615-0022**

Sample Description: 2nd Floor, Outside North Restrooms/9"x9" Floor Tile Beige w Brown and White Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/White/Beige	0.0%	97.2%	**2.8% Chrysotile**	System_ID:

Client Sample ID: PC8-FT1-22-Mastic ***Lab Sample ID:*** **042127615-0022A**

Sample Description: 2nd Floor, Outside North Restrooms/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	98.9%	**1.1% Chrysotile**	System_ID:

Client Sample ID: PC8-FT1-23-Floor Tile ***Lab Sample ID:*** **042127615-0023**

Sample Description: 2nd Floor Main Room Southwest Corner/9"x9" Floor Tile Beige w Brown and White Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC8-FT1-23-Mastic ***Lab Sample ID:*** **042127615-0023A**

Sample Description: 2nd Floor Main Room Southwest Corner/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC8-FT1-24-Floor Tile ***Lab Sample ID:*** **042127615-0024**

Sample Description: 3rd Floor Common Room Along South Area/9"x9" Floor Tile Beige w Brown and White Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC8-FT1-24-Mastic ***Lab Sample ID:*** **042127615-0024A**

Sample Description: 3rd Floor Common Room Along South Area/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC9-FT1-25-Floor Tile ***Lab Sample ID:*** **042127615-0025**

Sample Description: 2nd Floor Near North Entrance of Kitchen/9"x9" Floor TileWhite w/Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/White	0.0%	94.8%	**5.2% Chrysotile**	System_ID:

Client Sample ID: PC9-FT1-25-Mastic ***Lab Sample ID:*** **042127615-0025A**

Sample Description: 2nd Floor Near North Entrance of Kitchen/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC9-FT1-26-Floor Tile ***Lab Sample ID:*** **042127615-0026**

Sample Description: 2nd Floor Center of Building Old Kitchen Area/9"x9" Floor TileWhite w/Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC9-FT1-26-Mastic ***Lab Sample ID:*** **042127615-0026A**

Sample Description: 2nd Floor Center of Building Old Kitchen Area/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Insufficient Material	System_ID:

Client Sample ID: PC9-FT1-27-Floor Tile ***Lab Sample ID:*** **042127615-0027**

Sample Description: 2nd Floor Near West Entrance of Kitchen/9"x9" Floor TileWhite w/Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC9-FT1-27-Mastic ***Lab Sample ID:*** **042127615-0027A**

Sample Description: 2nd Floor Near West Entrance of Kitchen/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC10-FC1-28 ***Lab Sample ID:*** **042127615-0028**

Sample Description: 2nd Floor Room 1 Under Carpet and Sub-Floor/Floor Sheeting, Tan with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Tan/Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC10-FC1-29 ***Lab Sample ID:*** **042127615-0029**

Sample Description: 3rd Floor Room 8 Under Carpet and Sub-Floor/Floor Sheeting, Tan with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Tan/Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC10-FC1-30 ***Lab Sample ID:*** **042127615-0030**

Sample Description: 3rd Floor Room 11 Under Carpet and Sub-Floor/Floor Sheeting, Tan with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Tan/Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC11-FC1-31 ***Lab Sample ID:*** **042127615-0031**

Sample Description: 2nd Floor Room 2 Under Carpet and Sub-Floor/Floor Sheeting Green with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black/Green	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC11-FC1-32 ***Lab Sample ID:*** **042127615-0032**

Sample Description: 3rd Floor Room 20 Under Carpet and Sub-Floor/Floor Sheeting Green with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black/Green	0.0%	99.6%	**0.4% Chrysotile**	

System_ID:

Client Sample ID: PC11-FC1-33 ***Lab Sample ID:*** **042127615-0033**

Sample Description: 3rd Floor Room 23 Under Carpet and Sub-Floor/Floor Sheeting Green with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Black/Green	0.0%	99.5%	**0.5% Chrysotile**	

System_ID:

Client Sample ID: PC12-FC1-34 ***Lab Sample ID:*** **042127615-0034**

Sample Description: 2nd Floor Room 3 Under Carpet and Sub-Floor/Floor Sheeting Grey w Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Gray/Black	0.5%	98.7%	**0.8% Chrysotile**	

System_ID:

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

EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC12-FC1-35 ***Lab Sample ID:*** **042127615-0035**

Sample Description: 3rd Floor Room 9 Under Carpet and Sub-Floor/Floor Sheeting Grey w Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Gray/Black	0.0%	99.1%	**0.9% Chrysotile**	System_ID:

Client Sample ID: PC12-FC1-36 ***Lab Sample ID:*** **042127615-0036**

Sample Description: 3rd Floor Room 19 Under Carpet and Sub-Floor/Floor Sheeting Grey w Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Gray/Black	0.0%	99.7%	**0.3% Chrysotile**	System_ID:

Client Sample ID: PC13-FT2-37-Floor Tile ***Lab Sample ID:*** **042127615-0037**

Sample Description: 1st Floor Southeast Side of Lobby/Hallway/12"x12" Floor Tile White w/ Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/White	0.0%	96.6%	**3.4% Chrysotile**	System_ID:

Client Sample ID: PC13-FT2-37-Mastic ***Lab Sample ID:*** **042127615-0037A**

Sample Description: 1st Floor Southeast Side of Lobby/Hallway/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	97.4%	**2.6% Chrysotile**	System_ID:

Client Sample ID: PC13-FT2-38-Floor Tile ***Lab Sample ID:*** **042127615-0038**

Sample Description: 2nd Floor Outside Hand Ball Court/12"x12" Floor Tile White w/ Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC13-FT2-38-Mastic ***Lab Sample ID:*** **042127615-0038A**

Sample Description: 2nd Floor Outside Hand Ball Court/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC13-FT2-39-Floor Tile ***Lab Sample ID:*** **042127615-0039**

Sample Description: 2nd Floor East Hallway by Gymnasium/12"x12" Floor Tile White w/ Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC13-FT2-39-Mastic ***Lab Sample ID:*** **042127615-0039A**

Sample Description: 2nd Floor East Hallway by Gymnasium/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

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

EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC14-FT1-40-Floor Tile ***Lab Sample ID:*** **042127615-0040**

Sample Description: Basement Area Southeast Room Along near Center of Room/9"x9" Floor Tile Brown

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown	0.0%	87.8%	**12.2% Chrysotile**	

System_ID:

Client Sample ID: PC14-FT1-40-Mastic ***Lab Sample ID:*** **042127615-0040A**

Sample Description: Basement Area Southeast Room Along near Center of Room/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	96.5%	**3.5% Chrysotile**	

System_ID:

Client Sample ID: PC14-FT1-41-Floor Tile ***Lab Sample ID:*** **042127615-0041**

Sample Description: Basement Area, Southeast Room Near Entrance/9"x9" Floor Tile Brown

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC14-FT1-41-Mastic ***Lab Sample ID:*** **042127615-0041A**

Sample Description: Basement Area, Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC14-FT1-42-Floor Tile ***Lab Sample ID:*** **042127615-0042**

Sample Description: Basement Area, Southeast Room along Southeast Wall/9"x9" Floor Tile Brown

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC14-FT1-42-Mastic ***Lab Sample ID:*** **042127615-0042A**

Sample Description: Basement Area, Southeast Room along Southeast Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC15-FT1-43-Floor Tile ***Lab Sample ID:*** **042127615-0043**

Sample Description: Basement Area, Southwest Room Near Entrance/9"x9" Floor Tile Beige w/Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Beige	0.0%	94.2%	**5.8% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-43-Mastic ***Lab Sample ID:*** **042127615-0043A**

Sample Description: Basement Area, Southwest Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	99.7%	**0.3% Chrysotile**	

System_ID:

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

EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC15-FT1-43-Mastic 2 ***Lab Sample ID:*** **042127615-0043B**

Sample Description: Basement Area, Southwest Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-44-Floor Tile ***Lab Sample ID:*** **042127615-0044**

Sample Description: Basement Area, Southwest Room Near Center/9"x9" Floor Tile Beige w/Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC15-FT1-44-Mastic ***Lab Sample ID:*** **042127615-0044A**

Sample Description: Basement Area, Southwest Room Near Center/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-44-Mastic 2 ***Lab Sample ID:*** **042127615-0044B**

Sample Description: Basement Area, Southwest Room Near Center/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-45-Floor Tile ***Lab Sample ID:*** **042127615-0045**

Sample Description: Basement Area Southwest Room Near North Wall/9"x9" Floor Tile Beige w/Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC15-FT1-45-Mastic ***Lab Sample ID:*** **042127615-0045A**

Sample Description: Basement Area Southwest Room Near North Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Black	0.0%	99.2%	**0.8% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-45-Mastic 2 ***Lab Sample ID:*** **042127615-0045B**

Sample Description: Basement Area Southwest Room Near North Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

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

EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Analyst(s):

Alex Francois	400 PLM Pt Ct (3)
Brian Kibelstis	400 PLM PtCt Grav. Red (5) 400 PLM Pt Ct (2)
Gabrielle DiDonato	400 PLM PtCt Grav. Red (11)
Paige Havener	400 PLM PtCt Grav. Red (20) 400 PLM Pt Ct (2)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 12/07/202107:25:00 Replaces initial report from: 11/09/202115:26:36 Reason Code: Client-Other (see report comment)

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127615
Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Project Name:	YMCA ACM Point-Count Sampling	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 – 3rd Street	**City/State / Zip:**	Clinton, Iowa	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	Former YMCA			**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
PC1 – PI1 – 01	Basement landing, bottom of east stairwell, overhead	1905 Building, basement	Mag pipe insulation, white with canvas wrap	8 LF	F C1 C2	G D SD
PC1 – PI1 – 02	Basement area, north side of small office next to east stairs					
PC1 – PI1 – 03	Basement area, north side of small office next to east stairs					
PC2 – MJ3 – 04	Basement area, south main room above the drop ceiling against north wall	1905 Building, basement	Mudded joint fitting with canvas wrap	230 LF	F C1 C2	G D SD
PC2 – MJ3 – 05	Basement area, women's locker room back of room above the drop ceiling	1961 Building, basement				
PC2 – MJ3 – 06	2nd Floor mechanical room above the duct work	1961 Building, 2nd floor				
PC3 – MJ4 – 07	Basement area, south room along north wall	1905 Building, basement & gymnasium	Mudded joint fitting with canvas wrap/fiber glass	325 LF	F C1 C2	G D SD
PC3 – MJ4 – 08	Gymnasium, southeast corner below elevated heater					
PC3 – MJ4 – 09	Basement area, near women's locker room entrance					
PC4 – PI3 – 10	Basement area, near bottom of east stairwell	1905 Building, basement & 1961 building, 2nd floor	Pipe insulation-layered paper with canvas wrap (hard-wrap)	760 LF	F C1 C2	G D SD
PC4 – PI3 – 11	Basement area, women's locker room back					
PC4 – PI3 – 12	2nd Floor mechanical room above the duct work					
PC5 – FT1 – 13	Basement area, southeast room along near center of room	1905 Building, basement, 1st floor southeast room, & 2nd floor kitchen	9" x 9" Floor tile & mastic, red	500 SF	F C1 C2	G D SD
PC5 – FT1 – 14	1st Floor, southeast room near entrance					
PC5 – FT1 – 15	2nd Floor kitchen area near entrance					

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CINNAMINSON, NJ
2 DEC -7 AM 7:15

Sampling Date: October 22, 2021 **Collected by (print):** Steven Mack **Inspector's Signature:**

Relinquished by: Steven Mack **Date/Time:** 11/01/2021 **Received by:** FX **Date/Time:** 11/2-21 9:40AM

Analysis: PLM EPA 600/R-93/116 ☐ PLM 400 Point Count ☒ TEM ☐ Other _____ **Instructions:**

Turnaround Time: 3 Hrs ☐ 24 Hrs ☐ 2 Days ☐ 3 Days ☐ 5 Days ☒ Other _____ **Terracon ARMS:** ☐ **Stop Positive:** ☒ **Number of samples:** _____

[1] F = Friable: C1 = Category I: packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable: any materials other than Cat. I containing >1% asbestos

OrderID: 042127615

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127615
Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
PC6 – FT1 – 16	Basement area, bottom of east stairwell	1905 Building, basement & 1st floor	9" x 9" Floor tile & mastic, beige with tan & brown spots	6,800 SF	F C1 C2	G D SD
PC6 – FT1 – 17	1st Floor, southeast room near entrance					
PC6 – FT1 – 18	Basement area, women's locker room shower area					
PC7 – FT1 – 19	1st Floor, storage room near counter by entrance	1905 Building, 1st floor storage room	9" x 9" Floor tile & mastic, (multiple colors) grey with white specks	108 SF	F C1 C2	G D SD
PC7 – FT1 – 20	1st Floor, storage room near counter along north wall					
PC7 – FT1 – 21	1st Floor, storage room near counter back of room by south wall					
PC8 – FT1 – 22	2nd Floor, outside north restrooms	1905 Building, 2nd floor near bathrooms, & 3rd floor near common area	9" x 9" Floor tile & mastic, beige with brown & white streaks	1,320 SF	F C1 C2	G D SD
PC8 – FT1 – 23	2nd Floor, main room southwest corner					
PC8 – FT1 – 24	3rd Floor, common room along south area					
PC9 – FT1 – 25	2nd Floor, near north entrance of kitchen	1905 Building, 2nd floor kitchen	9" x 9" Floor tile & mastic, white with brown streaks	250 SF	F C1 C2	G D SD
PC9 – FT1 – 26	2nd Floor, center of building, old kitchen area					
PC9 – FT1 – 27	2nd Floor, near west entrance of kitchen					
PC10 – FC1 – 28	2nd Floor, room 1 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Floor sheeting, tan with black tar paper backing	960 SF	F C1 C2	G D SD
PC10 – FC1 – 29	3rd Floor, room 8 under carpet and sub-floor					
PC10 – FC1 – 30	3rd Floor, room 11 under carpet and sub-floor					
PC11 – FC1 – 31	2nd Floor, room 2 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Floor sheeting, green with black tar paper backing	1,170	F C1 C2	G D SD
PC11 – FC1 – 32	3rd Floor, room 20 under carpet and sub-floor					
PC11 – FC1 – 33	3rd Floor, room 23 under carpet and sub-floor					

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CINNAMINSON, NJ

OrderID: 042127615

Terracon

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127615

Select a Laboratory:

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
PC12 – FC1 – 34	2nd Floor, room 3 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Floor sheeting, grey with black tar paper backing	2,900 SF	F C1 C2	G D SD
PC12 – FC1 – 35	3rd Floor, room 9 under carpet and sub-floor					
PC12 – FC1 – 36	3rd Floor, room 19 under carpet and sub-floor					
PC13 – FT2 – 37	1st Floor, southeast side of lobby/hallway	1961 Building, 1st floor lobby & 2nd floor	12" x 12" Floor tile & mastic, white with brown streaks	3,600 SF	F C1 C2	G D SD
PC13 – FT2 – 38	2nd Floor, outside handball court					
PC13 – FT2 – 39	2nd Floor, east hallway by gymnasium					
PC14 – FT1 – 40	Basement area, southeast room along near center of room	1905 Building, basement	9" x 9" Floor tile & mastic, brown	460 SF	F C1 C2	G D SD
PC14 – FT1 – 41	Basement area, southeast room near entrance					
PC14 – FT1 – 42	Basement area, southeast room along southeast wall					
PC15 – FT1 – 43	Basement area, southwest room near entrance	1905 Building, basement	9" x 9" Floor tile & mastic, beige with streaks	4,700 SF	F C1 C2	G D SD
PC15 – FT1 – 44	Basement area, southwest room near center					
PC15 – FT1 – 45	Basement area, southwest room near north wall					
– –					F C1 C2	G D SD
– –						
– –						
– –					F C1 C2	G D SD
– –						
– –						

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EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Attn: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone:	(563) 355-0702
Fax:	(319) 355-4789
Collected:	
Received:	11/04/2021
Analyzed:	1/04/2022

Proj: Former YMCA Building / 480 3rd Street / YMCA Building / 07207086 / Clinton, Iowa 52732 / Negative Confirmation Sampling

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-CT3-01 ***Lab Sample ID:*** **042127746-0001**

Sample Description: North Room in the Southeast Corner/2'x2' Ceiling Tile, White Pinholes and Slight Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	70.0%	26.0%	**4% Amosite**	System_ID:
400 PLM Pt Ct	1/03/2022	White	0.0%	98.3%	**1.75% Amosite**	System_ID:

Client Sample ID: NC-CT1-02 ***Lab Sample ID:*** **042127746-0002**

Sample Description: North Storage Closet Near the Doorway/1'x1' Ceiling Tile Green with Brown Fiber Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Green	98.0%	2.0%	None Detected	System_ID:

Client Sample ID: NC-CT4-03 ***Lab Sample ID:*** **042127746-0003**

Sample Description: North Room, Southwest Area Near the Entrance/2'x4' Ceiling Tile White Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	70.0%	30.0%	None Detected	System_ID:

Client Sample ID: NC-FT1-04-Floor Tile ***Lab Sample ID:*** **042127746-0004**

Sample Description: South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	97.0%	**3% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Gray	0.0%	98.4%	**1.6% Chrysotile**	System_ID:

Client Sample ID: NC-FT1-04-Mastic ***Lab Sample ID:*** **042127746-0004A**

Sample Description: South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-05 ***Lab Sample ID:*** **042127746-0005**

Sample Description: South Restroom, Center Area Near the Sinks/Vinyl Floor Sheeting Tan with Black and Gray Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

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EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-PL1-06-Plaster Skim Coat ***Lab Sample ID:*** **042127746-0006**

Sample Description: South Restroom South Wall Center Area Mid-Way Up the Wall/Plaster Skim Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-PL1-06-Drywall ***Lab Sample ID:*** **042127746-0006A**

Sample Description: South Restroom South Wall Center Area Mid-Way Up the Wall/Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	10.0%	90.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-07-Ceramic Tile ***Lab Sample ID:*** **042127746-0007**

Sample Description: North Restroom Center of Doorway Threshold/1"x1" Ceramic Tile Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-07-Grout ***Lab Sample ID:*** **042127746-0007A**

Sample Description: North Restroom Center of Doorway Threshold/Grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-07-Adhesive ***Lab Sample ID:*** **042127746-0007B**

Sample Description: North Restroom Center of Doorway Threshold/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-WB1-08-Drywall ***Lab Sample ID:*** **042127746-0008**

Sample Description: Room 13 Northeast Wall Center Area in the Corner/Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray/White	10.0%	90.0%	None Detected	System_ID:

Client Sample ID: NC-WB1-08-Joint Compound ***Lab Sample ID:*** **042127746-0008A**

Sample Description: Room 13 Northeast Wall Center Area in the Corner/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-WB3-09 ***Lab Sample ID:*** **042127746-0009**

Sample Description: Storage Room on the East Side the North Open Room/Drywall Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	10.0%	90.0%	None Detected	System_ID:

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200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-FC1-10-Vinyl Sheet Flooring ***Lab Sample ID:*** **042127746-0010**

Sample Description: Elevated Running Track Near the Southeast Entrance to Track/Vinyl Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	2.0%	98.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-10-Mastic ***Lab Sample ID:*** **042127746-0010A**

Sample Description: Elevated Running Track Near the Southeast Entrance to Track/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Clear	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC5-11 ***Lab Sample ID:*** **042127746-0011**

Sample Description: Gymnasium Floor Northeast Corner of Gym/Felt Paper Underlayment

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	85.0%	15.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-12-Ceramic Tile ***Lab Sample ID:*** **042127746-0012**

Sample Description: Center Swimming Pool on the Northwest Corner of the Pool/1"x1" Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Beige	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-12-Grout ***Lab Sample ID:*** **042127746-0012A**

Sample Description: Center Swimming Pool on the Northwest Corner of the Pool/Grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-HP2-13 ***Lab Sample ID:*** **042127746-0013**

Sample Description: Main Lobby Area, Center of Wall by the Southeast Stair Entrance/Plaster (Hard Finish) on Wood Lath

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FT2-14-Floor Tile ***Lab Sample ID:*** **042127746-0014**

Sample Description: Main Lobby Area, on North Side of the Center Counter on the Floor/12"x12" Vinyl Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FT2-14-Mastic ***Lab Sample ID:*** **042127746-0014A**

Sample Description: Main Lobby Area, on North Side of the Center Counter on the Floor/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-CA5-15 ***Lab Sample ID:*** **042127746-0015**

Sample Description: East Stairwell Landing Above the Handrail Behind the Stair Wall Paneling /Caulk Beige Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Beige	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FT5-16-Floor Tile ***Lab Sample ID:*** **042127746-0016**

Sample Description: Main Lobby Area, Underneath a Layer of Floor Tile and Wood Underlayment /9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	95.0%	**5% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/03/2022	Tan	0.0%	96.4%	**3.6% Chrysotile**	System_ID:

Client Sample ID: NC-FT5-16-Mastic ***Lab Sample ID:*** **042127746-0016A**

Sample Description: Main Lobby Area, Underneath a Layer of Floor Tile and Wood Underlayment/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-17-Sheet Flooring ***Lab Sample ID:*** **042127746-0017**

Sample Description: North Room Kitchenette Area 2' Inside the Door at East Entrance/Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-17-Mastic ***Lab Sample ID:*** **042127746-0017A**

Sample Description: North Room Kitchenette Area 2' Inside the Door at East Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CT5-18 ***Lab Sample ID:*** **042127746-0018**

Sample Description: North Room Kitchenette Area, East Entrance Above the Doorway /2'x2' Ceiling Tile White Faced Fiberglass Panels

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	98.0%	2.0%	None Detected	System_ID:

Client Sample ID: NC-CT4-19 ***Lab Sample ID:*** **042127746-0019**

Sample Description: South Central Room by Main Lobby Above the Doorway Entrance /2'x4' Ceiling Tile White Slightly Textured

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	98.0%	2.0%	None Detected	System_ID:

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200 Route 130 North Cinnaminson, NJ 08077
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http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-FC1-20-Sheet Flooring ***Lab Sample ID:*** **042127746-0020**

Sample Description: Central Women's Locker Room Under Sink Next to Shower Room/Vinyl Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-20-Mastic ***Lab Sample ID:*** **042127746-0020A**

Sample Description: Central Women's Locker Room Under Sink Next to Shower Room/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC4-21-Stairtread ***Lab Sample ID:*** **042127746-0021**

Sample Description: Upper Locker Room Entrance Stairwell Down to Locker Rooms/Vinyl Stairtread

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC4-21-Mastic ***Lab Sample ID:*** **042127746-0021A**

Sample Description: Upper Locker Room Entrance Stairwell Down to Locker Rooms/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CT5-22 ***Lab Sample ID:*** **042127746-0022**

Sample Description: Basement Storage Room / Crawlspace/2'x4' Ceiling Tile Brown 1/2" Fibrous with Tan Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	98.0%	2.0%	None Detected	System_ID:

Client Sample ID: NC-WB4-23 ***Lab Sample ID:*** **042127746-0023**

Sample Description: Basement Area, Southwest Corner in Elevator Lobby on the Ceiling /Spray-on Popcorn Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CA3-24 ***Lab Sample ID:*** **042127746-0024**

Sample Description: Main Locker Room Area by the Gym/Caulk - Gray Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CA3-25 ***Lab Sample ID:*** **042127746-0025**

Sample Description: Track Area on East Wall Brick Wall Seams/Caulk - White Brittle Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

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

EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Analyst(s):

Bryan Lopez-Duenas	PLM (37)
Jason Stuhr	400 PLM PtCt Grav. Red (1)
Laura Vera	400 PLM PtCt Grav. Red (1) 400 PLM Pt Ct (1)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Report amended: 01/04/202208:20:37 Replaces initial report from: 11/10/202123:29:37 Reason Code: Client-Additional Analysis

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID:

Select a Laboratory:

04121 27746 **Lab Location:** HQ - Cinnaminson, NJ 101048-0

Page _____ of _____

Project Name:	Former YMCA Building	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 3rd Street	**City/State / Zip:**	Clinton, Iowa 52732	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	YMCA Building	**Batch:**	Negative Confirmation Sampling	**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
NC – CT3 – 01	North room, in the southeast corner	1905 Building 1st floor	2' x 2' Ceiling tile, white, pinholes and slight texture	2,800 SF	F C1 C2 RACM	G D SD
NC – CT1 – 02	North storage closet near the doorway	1905 Building 2nd floor	1' x 1' Ceiling tile, green with brown fiber smooth texture	75 SF	F C1 C2 RACM	G D SD
NC – CT4 – 03	North room, southwest area near the entrance	1905 Building 1st floor	2' x 4' Ceiling tile, white, textured	1,600 SF	F C1 C2 RACM	G D SD
NC – FT1 – 04	South restroom, southeast corner, under sheet flooring and underlayment	1905 Building 2nd floor	9" x 9" Floor tile and mastic – beige	4,500 SF	F C1 C2	G D SD
NC – FC1 – 05	South restroom, center area near the sinks	1905 Building 2nd floor	Vinyl floor sheeting - tan with black and gray specks	150 SF	F C1 C2 RACM	G D SD
NC – PL1 – 06	South restroom, south wall center area, mid-way up the wall	1905 Building 2nd floor	Plaster skim coat and drywall - tan with a slight texture	20,000 SF	F C1 C2 RACM	G D SD
NC – MS5 – 07	North restroom, center of doorway threshold	1905 Building 3rd Floor	1" x 1" Ceramic tile - gray with light gray grout and adhesive	150 SF	F C1 C2	G D SD
NC – WB1 – 08	Room 13, northeast wall center area, in the corner	1905 Building 3rd Floor	Drywall and joint compound – white, slight texture	5,000 SF	F C1 C2	G D SD
NC – WB3 – 09	Storage room on the east side the north open room	1905 Building 2nd floor	Drywall compound – white slight texture	600 SF	F C1 C2	G D SD
NC – FC1 – 10	Elevated running track, near the southeast entrance to track	3rd Floor running track	Vinyl sheet flooring and mastic – tan, smooth texture	3,200 SF	F C1 C2 RACM	G D SD
NC – FC5 – 11	Gymnasium floor, northeast corner of gym	2nd Floor gymnasium	Felt paper underlayment – black smooth texture	8,000 SF	F C1 C2	G D SD
NC – MS5 – 12	Center swimming pool, on the northwest corner of the pool	1961 Building Swimming pool area	1" x 1" Ceramic tile and grout – beige with gray grout	2,000 SF	F C1 C2	G D SD
NC – HP2 – 13	Main lobby area, center of wall by the southeast stair entrance	1905 Building 1st floor	Plaster (hard finish) on wood lath – white, painted blue	3,600 SF	F C1 C2	G D SD

RECEIVED 2021 NOV 4 AM 10:10 EMSL CINNAMINSON, NJ

Sampling Date: October 22, 2021 **Collected by (print):** Steven Mack **Inspector's Signature:**

Relinquished by: **Date/Time:** 10/22/2021 **Received by:** **Date/Time:** 11-4-21 940A

Analysis: PLM EPA 600/R-93/116 ☒ PLM 400 Point Count ☐ TEM ☐ Other _____

Turnaround Time: 3 Hrs. ☐ 24 Hrs. ☐ 2 Days ☐ 3 Days ☐ 5 Days ☒ Other _____

Instructions:

Terracon ARMS: ☒ **Stop Positive:** ☐ **Number of samples:** _____

23

[1] F = Friable; C1 = Category I; packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable; any materials other than Cat. I containing >1% asbestos

OrderID: 042127746

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID:

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

042127746

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
NC – FT2 – 14	Main lobby area, on the north side of the center counter on the floor	1905 Building 1st floor	12" x 12" Vinyl floor tile and mastic– white, smooth	600 SF	F C1 C2	G D SD
NC – CA5 – 15	East stairwell landing above the handrail, behind the stair wall paneling	1905 Building 1st floor	Caulk (panel adhesive) – beige, rough texture	100 SF	F C1 C2	G D SD
NC – FT5 – 16	Main lobby area, underneath a layer of floor tile and wood underlayment	1905 Building 1st floor	9" x 9" Floor tile and mastic – light tan	1,200 SF	F C1 C2	G D SD
NC – FC1 – 17	North room kitchenette area, 2' inside the door at east entrance	1905 Building 1st floor	Sheet flooring and mastic – red with black and tan specks	50 SF	F C1 C2 RACM	G D SD
NC – CT5 – 18	North room kitchenette area, east entrance above the doorway	1905 Building 1st floor	2' x 2' Ceiling tile – white faced fiberglass panels	50 SF	F C1 C2	G D SD
NC – CT4 – 19	South central room by main lobby, above the doorway entrance	1905 Building 1st floor	2' x 4' Ceiling tile – white, slightly textured	1,500 SF	F C1 C2 RACM	G D SD
NC – FC1 – 20	Central women's locker room, under sink, next to shower room	1961 Building basement	Vinyl sheet flooring and mastic - tan	120 SF	F C1 C2 RACM	G D SD
NC – FC4 – 21	Upper locker room entrance, stairwell down to locker rooms	1961 Building basement	Vinyl stair treads and mastic – tan with diamond pattern	85 SF	F C1 C2	G D SD
NC – CT5 – 22	Basement storage room / crawlspace	1905 Building 1st floor	2' x 4' Ceiling tile – brown, ½" fibrous with tan face	60 SF	F C1 C2 RACM	G D SD
NC – WB4 – 23	Basement area, southwest corner in elevator lobby on the ceiling	1905 Building 1st floor	Spray-on popcorn coating – white, rough texture	9,000 SF	F C1 C2	G D SD
NC – CA3 – 24	Main locker room area, by the gym (tilt-up conc.)	1978 Building 1st floor	Caulk – gray smooth texture	200 LF	F C1 C2	G D SD
NC – CA3 – 25	Track area, on east wall, brick wall seams (brick joints)	1978 Building 3rd floor	Caulk – white, brittle, rough texture	450 LF	F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD

2021 NOV -1 AM 10:
RECEIVED
EMSL
CINNAMINSON, NJ

OrderID: 042127746

Christy, Sherry 042127746

From: Cinnaminson-Asbestos
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login
Subject: FW: Point Count Request

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Thursday, December 30, 2021 7:58:29 PM (UTC+00:00) Monrovia, Reykjavik
To: EMSL Lab - Cinnaminson Asbestos <CinnAsblab@EMSL.com>
Subject: Point Count Request

[EXTERNAL E-MAIL]

Hi Sherry. I am hoping you can help me, I have a request for 24 hour TAT, point count 400 with grav. prep point count for two past lab reports. The first is for Terracon PN# 07207086 / EMSL Order #042127746, dated November 4, 2021, and the other is Terracon PN# 07207086 / EMSL Order # 042127713, dated November 4, 2021.

Steven Mack
Field Supervisor
Environmental Services
Terracon Consultants Inc.
870 – 40th Avenue | Bettendorf, IA. 52722
Mobile: (309) 236-1461
Steven.Mack@terracon.com

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Christy, Sherry

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Monday, January 3, 2022 7:49 AM
To: Christy, Sherry
Subject: Re: Point Count Request

[EXTERNAL E-MAIL]

Happy New Year! All positives 6% and below for both please. Thank you, Sherry.

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Christy, Sherry <schristy@EMSL.com>
Sent: Monday, January 3, 2022 6:05:25 AM
To: Mack, Steve M <Steve.Mack@terracon.com>
Subject: FW: Point Count Request

Good Morning Steve,

One more thing what samples do you want point counted? I see positives on there but not sure which ones you want? For both orders.

Thanks,

Sherry Christy | *Asbestos Sample and Logistics Coordinator*
EMSL Analytical, Inc. | 200 Route 130 North | Cinnaminson, NJ 08077
Phone: 856-303-2585 | Fax: 856-786-5973 | Toll Free: 800-220-3675

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Some of the resources EMSL Analytical, Inc. offers to our clients:
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From: Cinnaminson-Asbestos <cinnasblabpublic@emsl.com>
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login <CorporateAsbestosLogin@emsl.com>
Subject: FW: Point Count Request

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Thursday, December 30, 2021 7:58:29 PM (UTC+00:00) Monrovia, Reykjavik
To: EMSL Lab - Cinnaminson Asbestos <CinnAsblab@EMSL.com>
Subject: Point Count Request

[EXTERNAL E-MAIL]

Hi Sherry. I am hoping you can help me, I have a request for 24 hour TAT, point count 400 with grav. prep point count for two past lab reports. The first is for Terracon PN# 07207086 / EMSL Order #042127746, dated November 4, 2021, and the other is Terracon PN# 07207086 / EMSL Order # 042127713, dated November 4, 2021.

Steven Mack
Field Supervisor
Environmental Services
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Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042127746
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Attention: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone: (563) 355-0702
Fax: (319) 355-4789
Received Date: 11/04/2021 9:40 AM
Analysis Date: 11/10/2021
Collected Date:

Project: Former YMCA Building / 480 3rd Street / YMCA Building / 07207086 / Clinton, Iowa 52732 / Negative Confirmation Sampling

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
NC-CT3-01 *042127746-0001*	North Room in the Southeast Corner - 2'x2' Ceiling Tile, White Pinholes and Slight Texture	White Fibrous Heterogeneous	5% Cellulose 65% Min. Wool	26% Non-fibrous (Other)	4% Amosite
NC-CT1-02 *042127746-0002*	North Storage Closet Near the Doorway - 1'x1' Ceiling Tile Green with Brown Fiber Smooth Texture	Brown/Green Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
NC-CT4-03 *042127746-0003*	North Room, Southwest Area Near the Entrance - 2'x4' Ceiling Tile White Texture	White Fibrous Heterogeneous	40% Cellulose 30% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
NC-FT1-04-Floor Tile *042127746-0004*	South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment - 9"x9" Floor Tile	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
NC-FT1-04-Mastic *042127746-0004A*	South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment - Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FC1-05 *042127746-0005*	South Restroom, Center Area Near the Sinks - Vinyl Floor Sheeting Tan with Black and Gray Specks	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-PL1-06-Plaster Skim Coat *042127746-0006*	South Restroom South Wall Center Area Mid-Way Up the Wall - Plaster Skim Coat	White Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-PL1-06-Drywall *042127746-0006A*	South Restroom South Wall Center Area Mid-Way Up the Wall - Drywall	Gray Non-Fibrous Homogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
NC-MS5-07-Ceramic Tile *042127746-0007*	North Restroom Center of Doorway Threshold - 1"x1" Ceramic Tile Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-MS5-07-Grout *042127746-0007A*	North Restroom Center of Doorway Threshold - Grout	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-MS5-07-Adhesive *042127746-0007B*	North Restroom Center of Doorway Threshold - Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 042127746
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
NC-WB1-08-Drywall *042127746-0008*	Room 13 Northeast Wall Center Area in the Corner - Drywall	Gray/White Fibrous Heterogeneous	10% Cellulose <1% Glass	65% Gypsum 25% Non-fibrous (Other)	None Detected
NC-WB1-08-Joint Compound *042127746-0008A*	Room 13 Northeast Wall Center Area in the Corner - Joint Compound	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
NC-WB3-09 *042127746-0009*	Storage Room on the East Side the North Open Room - Drywall Compound	White Fibrous Heterogeneous	10% Cellulose <1% Glass	65% Gypsum 25% Non-fibrous (Other)	None Detected
NC-FC1-10-Vinyl Sheet Flooring *042127746-0010*	Elevated Running Track Near the Southeast Entrance to Track - Vinyl Sheet Flooring	Tan Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
NC-FC1-10-Mastic *042127746-0010A*	Elevated Running Track Near the Southeast Entrance to Track - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FC5-11 *042127746-0011*	Gymnasium Floor Northeast Corner of Gym - Felt Paper Underlayment	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
NC-MS5-12-Ceramic Tile *042127746-0012*	Center Swimming Pool on the Northwest Corner of the Pool - 1"x1" Ceramic Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-MS5-12-Grout *042127746-0012A*	Center Swimming Pool on the Northwest Corner of the Pool - Grout	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-HP2-13 *042127746-0013*	Main Lobby Area, Center of Wall by the Southeast Stair Entrance - Plaster (Hard Finish) on Wood Lath	White Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-FT2-14-Floor Tile *042127746-0014*	Main Lobby Area, on North Side of the Center Counter on the Floor - 12"x12" Vinyl Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FT2-14-Mastic *042127746-0014A*	Main Lobby Area, on North Side of the Center Counter on the Floor - Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-CA5-15 *042127746-0015*	East Stairwell Landing Above the Handrail Behind the Stair Wall Paneling - Caulk Beige Rough Texture	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FT5-16-Floor Tile *042127746-0016*	Main Lobby Area, Underneath a Layer of Floor Tile and Wood Underlayment - 9"x9" Floor Tile	Tan Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

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Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

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Phone:	(563) 355-0702
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Collected:	11/ 1/2021
Received:	11/04/2021
Analyzed:	1/04/2022

Proj: 07207086 / YMCA - Additional HA Sampling / Former YMCA / 480 3rd Street, Clinton, Iowa

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1-CA3-01 ***Lab Sample ID:*** **042127713-0001**

Sample Description: North Room on the Northwest Side, Center Mid-Wall, behind Paneling/Caulk - Black, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	96.0%	**4% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Black	0.0%	96.2%	**3.8% Chrysotile**	System_ID:

Client Sample ID: 1-CA3-02 ***Lab Sample ID:*** **042127713-0002**

Sample Description: North Room, North Wall Center of Room/Caulk - Black, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	96.0%	**4% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Black	0.0%	95.4%	**4.6% Chrysotile**	System_ID:

Client Sample ID: 1-CA3-03 ***Lab Sample ID:*** **042127713-0003**

Sample Description: North Room, South Wall, Southeast Corner, Mid-Wall/Caulk - Black, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	0.0%	97.0%	**3% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Black	0.0%	95.7%	**4.3% Chrysotile**	System_ID:

Client Sample ID: 2-MG6-04 ***Lab Sample ID:*** **042127713-0004**

Sample Description: East Stairwell, between 1st and 2nd Floor, above the Stairs/Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 2-MG6-05 ***Lab Sample ID:*** **042127713-0005**

Sample Description: East Stairwell, between 1st and 2nd Floor, above the Stairs/Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 2-MG6-06 ***Lab Sample ID:*** **042127713-0006**

Sample Description: East Stairwell, between 1st and 2nd Floor, above the Stairs/Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Brown	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 3-FC3-07-Cove Base ***Lab Sample ID:*** **042127713-0007**

Sample Description: Main Lobby Area on the Southeast Wall, Near the Entrance Stairs/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-07-Glue ***Lab Sample ID:*** **042127713-0007A**

Sample Description: Main Lobby Area on the Southeast Wall, Near the Entrance Stairs/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-08-Cove Base ***Lab Sample ID:*** **042127713-0008**

Sample Description: Main Hallway on the West Wall, Near Restroom/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-08-Glue ***Lab Sample ID:*** **042127713-0008A**

Sample Description: Main Hallway on the West Wall, Near Restroom/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/White	0.0%	100.0%	**<1% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Brown/White	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: 3-FC3-09-Cove Base ***Lab Sample ID:*** **042127713-0009**

Sample Description: Main Front Hallway on the West End, Near the Stairs to 1905 Building/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-09-Glue ***Lab Sample ID:*** **042127713-0009A**

Sample Description: Main Front Hallway on the West End, Near the Stairs to 1905 Building/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-10-Brick ***Lab Sample ID:*** **042127713-0010**

Sample Description: Basement Area, Near Bottom of East Stairwell, above the North Room Entrance/2"x8" Brick Tan

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 4-MA1-10-Mortar ***Lab Sample ID:*** **042127713-0010A**

Sample Description: Basement Area, Near Bottom of East Stairwell, above the North Room Entrance/Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-11-Brick ***Lab Sample ID:*** **042127713-0011**

Sample Description: North Room on the East Wall, In Duct Chase about Mid-Wall/2"x8" Brick Tan

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-11-Mortar ***Lab Sample ID:*** **042127713-0011A**

Sample Description: North Room on the East Wall, In Duct Chase about Mid-Wall/Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-12-Brick ***Lab Sample ID:*** **042127713-0012**

Sample Description: Main Front Hallway on the East Side, above the "1961" Granite Marker/2"x8" Brick Tan

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-12-Mortar ***Lab Sample ID:*** **042127713-0012A**

Sample Description: Main Front Hallway on the East Side, above the "1961" Granite Marker/Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 5-CA2-13 ***Lab Sample ID:*** **042127713-0013**

Sample Description: Main Front Lobby Area, Southwest Door Frame (Painted Gray)/Caulk - Gray Rough Exterior, Smooth Inner Material

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 5-CA2-14 ***Lab Sample ID:*** **042127713-0014**

Sample Description: Main Front Hallway, East Door Frame to the Lower Locker Rooms/Caulk - Gray Rough Exterior, Smooth Inner Material

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 5-CA2-15 ***Lab Sample ID:*** **042127713-0015**

Sample Description: Main Front Hallway, West Door Frame to the 1978 Building/Caulk - Gray Rough Exterior, Smooth Inner Material

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 6-MA1-16-Brick ***Lab Sample ID:*** **042127713-0016**

Sample Description: Main Front Hallway, by the East Stairwell Where Green Meets Black Brick/2"x8" Ceramic-Face Brick Aqua Green and Black, Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Green	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-16-Mortar ***Lab Sample ID:*** **042127713-0016A**

Sample Description: Main Front Hallway, by the East Stairwell Where Green Meets Black Brick/Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-17-Brick ***Lab Sample ID:*** **042127713-0017**

Sample Description: Main Front Hallway, Lower Section Where Black Brick Meets Granite Slab on East End/2"x8" Ceramic-Face Brick Aqua Green and Black, Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Green	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-17-Mortar ***Lab Sample ID:*** **042127713-0017A**

Sample Description: Main Front Hallway, Lower Section Where Black Brick Meets Granite Slab on East End/Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-18-Brick ***Lab Sample ID:*** **042127713-0018**

Sample Description: Main Front Hallway, West Side Lower End of Green Brick, 10' From Doors/2"x8" Ceramic-Face Brick Aqua Green and Black, Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Tan/Green	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-18-Mortar ***Lab Sample ID:*** **042127713-0018A**

Sample Description: Main Front Hallway, West Side Lower End of Green Brick, 10' From Doors/Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 7-FP1-19 ***Lab Sample ID:*** **042127713-0019**

Sample Description: Basement Area, North Room, West Corner by Heater/Spray-on Fireproofing, White Thick Popcorn Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 7-FP1-20 ***Lab Sample ID:*** **042127713-0020**

Sample Description: Basement Area, North Room Center, by Electrical Junction Box/Spray-on Fireproofing, White Thick Popcorn Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 7-FP1-21 ***Lab Sample ID:*** **042127713-0021**

Sample Description: Basement Area, North Room by the Entrance, East Side of Door/Spray-on Fireproofing, White Thick Popcorn Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-22-Insulation ***Lab Sample ID:*** **042127713-0022**

Sample Description: Basement Area, North Room, West Corner by Heater/Fiberglass Pipe Insulation Yellow Fiberglass with White Paper Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-22-Mastic ***Lab Sample ID:*** **042127713-0022A**

Sample Description: Basement Area, North Room, West Corner by Heater/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	30.0%	70.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-23-Insulation ***Lab Sample ID:*** **042127713-0023**

Sample Description: Basement Area, North Room by the Entrance, East Side of Door/Fiberglass Pipe Insulation Yellow Fiberglass with White Paper Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-23-Mastic ***Lab Sample ID:*** **042127713-0023A**

Sample Description: Basement Area, North Room by the Entrance, East Side of Door/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	30.0%	70.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-24-Insulation ***Lab Sample ID:*** **042127713-0024**

Sample Description: 1st Floor Boy's Restroom, Pipe Chase/Fiberglass Pipe Insulation Yellow Fiberglass with White Paper Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Yellow	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-24-Mastic ***Lab Sample ID:*** **042127713-0024A**

Sample Description: 1st Floor Boy's Restroom, Pipe Chase/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White	30.0%	70.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-25-CMU Block ***Lab Sample ID:*** **042127713-0025**

Sample Description: Basement Area, North Mechanical Room, Right Side of Door on Corner/8"x16" CMU Block Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 9-MA2-25-Mortar **Lab Sample ID:** **042127713-0025A**

Sample Description: Basement Area, North Mechanical Room, Right Side of Door on Corner/Mortar Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-26-CMU Block **Lab Sample ID:** **042127713-0026**

Sample Description: 1st Floor Hallway Entrance to the Lower Locker Rooms, by Main Front Hallway/8"x16" CMU Block Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-26-Mortar **Lab Sample ID:** **042127713-0026A**

Sample Description: 1st Floor Hallway Entrance to the Lower Locker Rooms, by Main Front Hallway/Mortar Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-27-CMU Block **Lab Sample ID:** **042127713-0027**

Sample Description: Main Lobby Area, Next to the Front Closet Area, Mid-Wall/8"x16" CMU Block Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-27-Mortar **Lab Sample ID:** **042127713-0027A**

Sample Description: Main Lobby Area, Next to the Front Closet Area, Mid-Wall/Mortar Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-28-Sheath **Lab Sample ID:** **042127713-0028**

Sample Description: 2nd Floor, above the Main Hallway on South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	75.0%	25.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-28-Insulator **Lab Sample ID:** **042127713-0028A**

Sample Description: 2nd Floor, above the Main Hallway on South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-29-Sheath **Lab Sample ID:** **042127713-0029**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	75.0%	25.0%	None Detected	System_ID:

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EMSL Order ID:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 10-WP6-29-Insulator ***Lab Sample ID:*** **042127713-0029A**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-30-Sheath ***Lab Sample ID:*** **042127713-0030**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, North/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	75.0%	25.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-30-Insulator ***Lab Sample ID:*** **042127713-0030A**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, North/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-31-Sheath ***Lab Sample ID:*** **042127713-0031**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray/Black/Silver	72.0%	28.0%	None Detected	Result includes inseparable silver coating. System_ID:

Client Sample ID: 11-WP6-31-Insulator ***Lab Sample ID:*** **042127713-0031A**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-31-Insulator2 ***Lab Sample ID:*** **042127713-0031B**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-31-Insulation ***Lab Sample ID:*** **042127713-0031C**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-32-Sheath ***Lab Sample ID:*** **042127713-0032**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Black/Silver	72.0%	28.0%	None Detected	Result includes inseparable silver coating. System_ID:

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 11-WP6-32-Insulator ***Lab Sample ID:*** **042127713-0032A**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-32-Insulator2 ***Lab Sample ID:*** **042127713-0032B**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-32-Insulation ***Lab Sample ID:*** **042127713-0032C**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Sheath ***Lab Sample ID:*** **042127713-0033**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Insulator ***Lab Sample ID:*** **042127713-0033A**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Insulator 2 ***Lab Sample ID:*** **042127713-0033B**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Insulation ***Lab Sample ID:*** **042127713-0033C**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Brown	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 12-MG7-34 ***Lab Sample ID:*** **042127713-0034**

Sample Description: Southeast Entrance Area, Under Carpet Squares on Marble Circle Design Floor/Carpet Adhesive - Yellow, Rough Texture, Sticky

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

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EMSL Order ID:	042127713
Customer ID:	TEI93
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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 12-MG7-35 ***Lab Sample ID:*** **042127713-0035**

Sample Description: Main Lobby Area, Southeast Stairwell Kickboards/Carpet Adhesive - Yellow, Rough Texture, Sticky

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 12-MG7-36 ***Lab Sample ID:*** **042127713-0036**

Sample Description: Main Lobby Area, on Flooring Next to Southwest Elevator Entrance/Carpet Adhesive - Yellow, Rough Texture, Sticky

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-37-CMU ***Lab Sample ID:*** **042127713-0037**

Sample Description: Lower Level Locker Room Lobby, Between Men's and Women's Locker Rooms/6"x12" CMU Glaze Faced Block

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-37-Mortar ***Lab Sample ID:*** **042127713-0037A**

Sample Description: Lower Level Locker Room Lobby, Between Men's and Women's Locker Rooms/Light Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-38-CMU ***Lab Sample ID:*** **042127713-0038**

Sample Description: Women's Locker Room by West Wall, Lower Wall, Center/6"x12" CMU Glaze Faced Block

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-38-Mortar ***Lab Sample ID:*** **042127713-0038A**

Sample Description: Women's Locker Room by West Wall, Lower Wall, Center/Light Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-39-CMU ***Lab Sample ID:*** **042127713-0039**

Sample Description: Men's Locker Room, South Wall before Pool Entrance/6"x12" CMU Glaze Faced Block

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-39-Mortar ***Lab Sample ID:*** **042127713-0039A**

Sample Description: Men's Locker Room, South Wall before Pool Entrance/Light Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

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EMSL Order ID:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 14-FC3-40-Cove Base ***Lab Sample ID:*** **042127713-0040**

Sample Description: Lower Locker Room Entrance in Main Front Hallway, at Top of Stair Landing/Cove Base Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-40-Mastic ***Lab Sample ID:*** **042127713-0040A**

Sample Description: Lower Locker Room Entrance in Main Front Hallway, at Top of Stair Landing/Brown and Yellow Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-41-Cove Base ***Lab Sample ID:*** **042127713-0041**

Sample Description: Main Lobby Area, Down the West Hallway/Cove Base Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-41-Mastic ***Lab Sample ID:*** **042127713-0041A**

Sample Description: Main Lobby Area, Down the West Hallway/Brown and Yellow Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-42-Cove Base ***Lab Sample ID:*** **042127713-0042**

Sample Description: Main Lobby Area, on South Wall Near the East Doorway/Cove Base Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-42-Mastic ***Lab Sample ID:*** **042127713-0042A**

Sample Description: Main Lobby Area, on South Wall Near the East Doorway/Brown and Yellow Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Brown/Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 15-CA1-43 ***Lab Sample ID:*** **042127713-0043**

Sample Description: Room 18, Exterior Window Caulk around Window Frame/Caulk- Gray Weathered, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Gray	0.0%	94.0%	**6% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Brown/Gray	0.4%	99.6%	**<0.25% Chrysotile**	System_ID:

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EMSL Order ID:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 15-CA1-44 ***Lab Sample ID:*** **042127713-0044**

Sample Description: Southeast Room, South Wall, Exterior Window Caulk around Window Frame/Caulk- Gray Weathered, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 15-CA1-45 ***Lab Sample ID:*** **042127713-0045**

Sample Description: Exterior North Wall, Center, around Exhaust Vent/Caulk- Gray Weathered, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	95.0%	**5% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Gray	1.0%	97.1%	**1.9% Chrysotile**	System_ID:

Analyst(s):

Alex Francois	PLM (52)
Nancy Stalter	PLM (26)
Paige Havener	400 PLM PtCt Grav. Red (6)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 01/04/202223:11:48 Replaces amended report from: 12/07/202109:42:00 Reason Code: Client-Additional Analysis

Terracon

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127713

Select a Laboratory:

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

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21 DEC -7 AM 9:38

Lab Location: HQ - Cinnaminson, NJ 101048-0

Project Name:	YMCA – Additional HA Sampling	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 – 3rd Street	**City/State / Zip:**	Clinton, Iowa	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	Former YMCA	**Batch:**	Additional HA Sampling	**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
1 – CA3 – 01	North room on the northwest side, center mid-wall, behind paneling	1905 Building 2nd Floor	Caulk – black, rough texture	350 LF	F C1 C2	G D SD
1 – CA3 – 02	North room, north wall center of room					
1 – CA3 – 03	North room, south wall, southeast corner, mid-wall					
2 – MG6 – 04	East stairwell, between 1st and 2nd floor, above the stairs	1905 Building, East stairs	Glue pucks associated with 1' x 1' ceiling tile – light brown, smooth	120 LF	F C1 C2	G D SD
2 – MG6 – 05	East stairwell, between 1st and 2nd floor, above the stairs					
2 – MJ3 – 06	East stairwell, between 1st and 2nd floor, above the stairs					
3 – FC3 – 07	Main lobby area on the southeast wall, near the entrance stairs	1905 Building, 1st floor	Cove base and mastic – gray with yellow glue and mastic	1,000 LF	F C1 C2	G D SD
3 – FC3 – 08	Main hallway on the west wall, near restroom	1905 Building, 2nd floor				
3 – FC3 – 09	Main front hallway on the west end, near the stairs to 1905 building	1961 Building 1st floor				
4 – MA1 – 10	Basement area, near bottom of east stairwell, above the north room entrance	1905 Building, Basement	2" x 8" Brick and mortar – tan with gray mortar	Throughout all buildings	F C1 C2	G D SD
4 – MA1 – 11	North room on the east wall, in duct chase about mid-wall	1905 Building, 1st floor				
4 – MA1 – 12	Main front hallway on the east side, above the "1961" granite marker	1961 Building 1st floor				
5 – CA2 – 13	Main front lobby area, southwest door frame (painted gray)	1905 Building, 1st floor	Caulk – gray rough exterior, smooth inner material	200 LF	F C1 C2	G D SD
5 – CA2 – 14	Main front hallway, east door frame to the lower locker rooms	1961 Building				
5 – CA2 – 15	Main front hallway, west door frame to the 1978 building	1st floor				

Sampling Date: November 01, 2021 **Collected by (print):** Steven Mack **Inspector's Signature:**

Relinquished by: Steven Mack **Date/Time:** 11/03/2021 **Received by:** FX **Date/Time:** 11/4/21 940 AM

Analysis: PLM EPA 600/R-93/116 ☒ PLM 400 Point Count ☐ TEM ☐ Other _____

Turnaround Time: 3 Hrs ☐ 24 Hrs ☐ 2 Days ☐ 3 Days ☒ 5 Days ☐ Other _____

Instructions:

Terracon ARMS: ☒ **Stop Positive:** ☐ **Number of samples:** _____

[1] F = Friable; C1 = Category I; packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable; any materials other than Cat. I containing >1% asbestos

OrderID: 042127713

Terracon

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Asbestos Bulk Sample and Chain of Custody Form

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Lab Order ID: 042127713
Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
6 – MA1 – 16	Main front hallway, by the east stairwell where green meets black brick	1961 Building, 1st floor	2" x 8" Ceramic-face brick and mortar – aqua green and black, smooth texture	1,800 SF	F C1 C2	G D SD
6 – MA1 – 17	Main front hallway, lower section where black brick meets granite slab on east end					
6 – MA1 – 18	Main front hallway, west side lower end of green brick, 10' from doors					
7 – FP1 – 19	Basement area, north room, west corner by heater	1905 Building, basement	Spray-on Fireproofing – white thick popcorn texture	1,200 SF	F C1 C2 RACM	G D SD
7 – FP1 – 20	Basement area, north room center, by electrical junction box					
7 – FP1 – 21	Basement area, north room by the entrance, east side of door					
8 – PI4 – 22	Basement area, north room, west corner by heater	1905 Building, basement and 1st floor	Fiberglass pipe insulation and mastic – yellow fiberglass with white paper face and mastic	1,500 SF	F C1 C2 RACM	G D SD
8 – PI4 – 23	Basement area, north room by the entrance, east side of door					
8 – PI4 – 24	1st Floor boy's restroom, pipe chase					
9 – MA2 – 25	Basement area, north mechanical room, right side of door on corner	1905 Building, basement	8" x 16" CMU block and mortar – gray with light gray mortar	Throughout buildings	F C1 C2	G D SD
9 – MA2 – 26	1st Floor hallway entrance to the lower locker rooms, by main front hallway	1961 Building, 1st floor				
9 – MA2 – 27	Main lobby area, next to the front closet area, mid-wall	1978 Building, 1st floor				
10 – WP6 – 28	2nd Floor, above the main hallway on south side	1905 Building, 2nd and 3rd floor	Electrical wiring – single-strand, black woven sheath run through ceramic insulators	500 LF	F C1 C2	G D SD
10 – WP6 – 29	3rd Floor, above the ceiling tile in the main common area, south side					
10 – WP6 – 30	3rd Floor, above the ceiling tile in the main common area, north side					
11 – WP6 – 31	2nd Floor, room 2 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Electrical wiring – double-strand, black woven sheath with silver and gray coating	1,000 LF	F C1 C2	G D SD
11 – WP6 – 32	3rd Floor, room 20 under carpet and sub-floor					
11 – WP6 – 33	3rd Floor, room 23 under carpet and sub-floor					

Order ID: 042127713

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
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Asbestos Bulk Sample and Chain of Custody Form

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Lab Order ID: 0421273

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification			Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
HA	BS Code	Sample #						
12	MG7	34	Southeast entrance area, under carpet squares on marble circle design floor	1905 Building, 1st floor	Carpet adhesive – yellow, rough texture, sticky	6,000 SF	F C1 C2	G D SD
12	MG7	35	Main lobby area, southeast stairwell kickboards					
12	MG7	36	Main lobby area, on flooring next to southwest elevator entrance					
13	MA2	37	Lower level locker room lobby, between men's and women's locker rooms	1961 Building, basement	6" x 12" CMU and mortar – glaze-faced block, with light gray mortar	5,000 SF	F C1 C2	G D SD
13	MA2	38	Women's locker room by west wall, lower wall, center					
13	MA2	39	Men's locker room, south wall before pool entrance					
14	FC3	40	Lower locker room entrance in main front hallway, at top of stair landing	1961 Building, 1st floor	Cove base and mastic – black with brown and yellow mastic	500 LF	F C1 C2	G D SD
14	FC3	41	Main lobby area, down the west hallway	1978 Building, 1st floor				
14	FC3	42	Main lobby area, on south wall near the east doorway	1978 Building, 1st floor				
15	CA1	43	Room 18, exterior window caulk around window frame	1905 Building, 3rd floor	Caulk – gray, weathered, rough texture	4,700 SF	F C1 C2	G D SD
15	CA1	44	Southeast room, south wall, exterior window caulk around window frame	1905 Building, 1st floor				
15	CA1	45	Exterior north wall, center, around exhaust vent	1961 Building, Exhaust				
–	–						F C1 C2	G D SD
–	–							
–	–							
–	–						F C1 C2	G D SD
–	–							
–	–							

OrderID: 042127713

Christy, Sherry 042127713

From: Cinnaminson-Asbestos
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login
Subject: FW: Point Count Request

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Thursday, December 30, 2021 7:58:29 PM (UTC+00:00) Monrovia, Reykjavik
To: EMSL Lab - Cinnaminson Asbestos <CinnAsblab@EMSL.com>
Subject: Point Count Request

[EXTERNAL E-MAIL]

Hi Sherry. I am hoping you can help me, I have a request for 24 hour TAT, point count 400 with grav. prep point count for two past lab reports. The first is for Terracon PN# 07207086 / EMSL Order #042127746, dated November 4, 2021, and the other is Terracon PN# 07207086 / EMSL Order # 042127713, dated November 4, 2021.

Steven Mack
Field Supervisor
Environmental Services
Terracon Consultants Inc.
870 – 40th Avenue | Bettendorf, IA. 52722
Mobile: (309) 236-1461
Steven.Mack@terracon.com

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.

Christy, Sherry

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Monday, January 3, 2022 7:49 AM
To: Christy, Sherry
Subject: Re: Point Count Request

[EXTERNAL E-MAIL]

Happy New Year! All positives 6% and below for both please. Thank you, Sherry.

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Christy, Sherry <schristy@EMSL.com>
Sent: Monday, January 3, 2022 6:05:25 AM
To: Mack, Steve M <Steve.Mack@terracon.com>
Subject: FW: Point Count Request

Good Morning Steve,

One more thing what samples do you want point counted? I see positives on there but not sure which ones you want? For both orders.

Thanks,

Sherry Christy | *Asbestos Sample and Logistics Coordinator*
EMSL Analytical, Inc. | 200 Route 130 North | Cinnaminson, NJ 08077
Phone: 856-303-2585 | Fax: 856-786-5973 | Toll Free: 800-220-3675

COVID-19 Update: *EMSL Analytical, Inc. remains open as an essential business. To view real-time status updates for each of our 46 laboratories in the US and Canada, download EMSL's free smart device application via the iTunes App Store - Apple or Google Play. APP updates are posted under Support / Lab Hours.*

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From: Cinnaminson-Asbestos <cinnasblabpublic@emsl.com>
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login <CorporateAsbestosLogin@emsl.com>
Subject: FW: Point Count Request

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

EMSL Order: 042127713
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Attention: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone: (563) 355-0702
Fax: (319) 355-4789
Received Date: 11/04/2021 9:40 AM
Analysis Date: 11/10/2021 - 11/11/2021
Collected Date: 11/01/2021

Project: 07207086 / YMCA - Additional HA Sampling / Former YMCA / 480 3rd Street, Clinton, Iowa

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
1-CA3-01 *042127713-0001*	North Room on the Northwest Side, Center Mid-Wall, behind Paneling - Caulk - Black, Rough Texture	Black Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
1-CA3-02 *042127713-0002*	North Room, North Wall Center of Room - Caulk - Black, Rough Texture	Black Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
1-CA3-03 *042127713-0003*	North Room, South Wall, Southeast Corner, Mid-Wall - Caulk - Black, Rough Texture	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
2-MG6-04 *042127713-0004*	East Stairwell, between 1st and 2nd Floor, above the Stairs - Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-MG6-05 *042127713-0005*	East Stairwell, between 1st and 2nd Floor, above the Stairs - Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-MG6-06 *042127713-0006*	East Stairwell, between 1st and 2nd Floor, above the Stairs - Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-07-Cove Base *042127713-0007*	Main Lobby Area on the Southeast Wall, Near the Entrance Stairs - Cove Base - Gray with Yellow Glue	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-07-Glue *042127713-0007A*	Main Lobby Area on the Southeast Wall, Near the Entrance Stairs - Cove Base - Gray with Yellow Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-08-Cove Base *042127713-0008*	Main Hallway on the West Wall, Near Restroom - Cove Base - Gray with Yellow Glue	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Report amended: 12/07/2021 09:42:00 Replaces initial report from: 11/11/2021 08:57:35 Reason Code: Client-Change to Project

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EMSL Order: 042127713
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
3-FC3-08-Glue *042127713-0008A*	Main Hallway on the West Wall, Near Restroom - Cove Base - Gray with Yellow Glue	Brown/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
3-FC3-09-Cove Base *042127713-0009*	Main Front Hallway on the West End, Near the Stairs to 1905 Building - Cove Base - Gray with Yellow Glue	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-09-Glue *042127713-0009A*	Main Front Hallway on the West End, Near the Stairs to 1905 Building - Cove Base - Gray with Yellow Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-10-Brick *042127713-0010*	Basement Area, Near Bottom of East Stairwell, above the North Room Entrance - 2"x8" Brick Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-10-Mortar *042127713-0010A*	Basement Area, Near Bottom of East Stairwell, above the North Room Entrance - Gray Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-11-Brick *042127713-0011*	North Room on the East Wall, In Duct Chase about Mid-Wall - 2"x8" Brick Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-11-Mortar *042127713-0011A*	North Room on the East Wall, In Duct Chase about Mid-Wall - Gray Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-12-Brick *042127713-0012*	Main Front Hallway on the East Side, above the "1961" Granite Marker - 2"x8" Brick Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-12-Mortar *042127713-0012A*	Main Front Hallway on the East Side, above the "1961" Granite Marker - Gray Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-CA2-13 *042127713-0013*	Main Front Lobby Area, Southwest Door Frame (Painted Gray) - Caulk - Gray Rough Exterior, Smooth Inner Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-CA2-14 *042127713-0014*	Main Front Hallway, East Door Frame to the Lower Locker Rooms - Caulk - Gray Rough Exterior, Smooth Inner Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
15-CA1-43 *042127713-0043*	Room 18, Exterior Window Caulk around Window Frame - Caulk- Gray Weathered, Rough Texture	Brown/Gray Fibrous Heterogeneous		94% Non-fibrous (Other)	6% Chrysotile
15-CA1-44 *042127713-0044*	Southeast Room, South Wall, Exterior Window Caulk around Window Frame - Caulk- Gray Weathered, Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-CA1-45 *042127713-0045*	Exterior North Wall, Center, around Exhaust Vent - Caulk- Gray Weathered, Rough Texture	Gray Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Analyst(s)
Alex Francois (52)
Nancy Stalter (26)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 12/07/2021 09:42:00 Replaces initial report from: 11/11/2021 08:57:35 Reason Code: Client-Change to Project

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

EMSL Order:	042200836
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Attention:	James Baxter	**Phone:**	(563) 468-4271
	Terracon Consultants, Inc.	**Fax:**	(319) 355-4789
	870 40th Avenue	**Received Date:**	01/17/2022 8:45 AM
	Bettendorf, IA 52722	**Analysis Date:**	01/17/2022
		Collected Date:	01/13/2022

Project: 07207086 / Clinton - YMCA / 480 South 3rd Street Clinton, Iowa 52732 / Former YMCA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16-RF6-46-Tar Paper *042200836-0001*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	10% Cellulose 40% Glass	50% Non-fibrous (Other)	None Detected
16-RF6-46-Foam *042200836-0001A*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-46-Insulation *042200836-0001B*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	70% Cellulose	10% Perlite 20% Non-fibrous (Other)	None Detected
16-RF6-46-Rubber Membrane *042200836-0001C*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-47-Tar Paper *042200836-0002*	1905 Building, Lower Roof 2, South End, SE Side between Exhaust Vent and Wall - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	15% Cellulose 40% Glass	45% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16-RF6-47-Foam *042200836-0002A*	1905 Building, Lower Roof 2, South End, SE Side between Exhaust Vent and Wall - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-47-Insulation *042200836-0002B*	1905 Building, Lower Roof 2, South End, SE Side between Exhaust Vent and Wall - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Brown Fibrous Homogeneous	70% Cellulose	15% Perlite 15% Non-fibrous (Other)	None Detected
16-RF6-48-Tar Paper *042200836-0003*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
16-RF6-48-Foam *042200836-0003A*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-48-Insulation *042200836-0003B*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Brown Fibrous Homogeneous	80% Cellulose	10% Perlite 10% Non-fibrous (Other)	None Detected
16-RF6-48-Gypsum Board *042200836-0003C*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

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Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16-RF6-48-Backing *042200836-0003D*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	White Fibrous Homogeneous	70% Synthetic	30% Non-fibrous (Other)	None Detected
17-WP1-49 *042200836-0004*	1905 Basement Mechanical Room (Room B-7), South Elevated Unit - Vibration Cloth - White, Woven Canvas Type Material	White Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
17-WP1-50 *042200836-0005*	1905 Building Pool Mechanical Room, Central Elevated Duct Unit - Vibration Cloth - White, Woven Canvas Type Material	White Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
17-WP1-51 *042200836-0006*	2nd Floor Mechanical Room, South Air Handler Unit, South Wall Central Area - Vibration Cloth - White, Woven Canvas Type Material	White Fibrous Homogeneous	20% Cellulose	45% Non-fibrous (Other)	35% Chrysotile
18-MA5-52-Tile Slabs *042200836-0007*	1905 Building 1st Floor South Entryway, Top of Stair Landing, East Side Top of Slab - Marble Tile Slabs	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-52-Thin-Set *042200836-0007A*	1905 Building 1st Floor South Entryway, Top of Stair Landing, East Side Top of Slab - Thin-Set	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-53-Tile Slabs *042200836-0008*	1905 Building 1st Floor East Entryway, Lower Landing, South Side of Door, Centered - Marble Tile Slabs	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-53-Thin-Set *042200836-0008A*	1905 Building 1st Floor East Entryway, Lower Landing, South Side of Door, Centered - Thin-Set	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-54-Tile Slabs *042200836-0009*	1905 Building 1st Floor East Entryway, Lower Landing, South S ide of Door, Bottom - Marble Tile Slabs	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-54-Thin-Set *042200836-0009A*	1905 Building 1st Floor East Entryway, Lower Landing, South S ide of Door, Bottom - Thin-Set	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

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Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
19-MA5-55-Ceramic Block *042200836-0010*	1905 Sub-Level Women's Locker Room, NW Side Next to Steam Room, by Electrical Box - 5"x12" Ceramic Block - Off-White with Brown Specks	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-55-Grout *042200836-0010A*	1905 Sub-Level Women's Locker Room, NW Side Next to Steam Room, by Electrical Box - Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-56-Ceramic Block *042200836-0011*	1905 Sub-Level Women's Locker Room, NW Shower Room by South Drain Area - 5"x12" Ceramic Block - Off-White with Brown Specks	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-56-Grout *042200836-0011A*	1905 Sub-Level Women's Locker Room, NW Shower Room by South Drain Area - Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-57-Ceramic Block *042200836-0012*	1905 Sub-Level Women's Locker Room, North-Central Area above the West Sink - 5"x12" Ceramic Block - Off-White with Brown Specks	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-57-Grout *042200836-0012A*	1905 Sub-Level Women's Locker Room, North-Central Area above the West Sink - Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-58-Ceramic Block *042200836-0013*	1905 Sub-Level Women's Locker Room, South End by Central Entrance, by Sinks - 5"x12" Ceramic Block Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-58-Grout *042200836-0013A*	1905 Sub-Level Women's Locker Room, South End by Central Entrance, by Sinks - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-59-Ceramic Block *042200836-0014*	1961 Building, Large Pool Room, NW Corner by Entrance to Small Pool Room - 5"x12" Ceramic Block Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-59-Grout *042200836-0014A*	1961 Building, Large Pool Room, NW Corner by Entrance to Small Pool Room - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

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EMSL Order:	042200836
Customer ID:	TEI93
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Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
20-MA5-60-Ceramic Block *042200836-0015*	1961 Building, 2nd Floor Gym, SW Corner Doorway, at Upper Right Door Jamb - 5"x12" Ceramic Block Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-60-Grout *042200836-0015A*	1961 Building, 2nd Floor Gym, SW Corner Doorway, at Upper Right Door Jamb - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-61-Tile *042200836-0016*	Men's Locker Room, NE Corner of Men's Shower Room at the North End of Drain - 5"x12" Quarry Tile - Dark Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-61-Thin-Set *042200836-0016A*	Men's Locker Room, NE Corner of Men's Shower Room at the North End of Drain - Thin-Set	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-61-Grout *042200836-0016B*	Men's Locker Room, NE Corner of Men's Shower Room at the North End of Drain - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-62-Tile *042200836-0017*	Men's Locker Room, NW Corner of Men's Shower Room Exit to Pool, by the Drain - 5"x12" Quarry Tile - Dark Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-62-Thin-Set *042200836-0017A*	Men's Locker Room, NW Corner of Men's Shower Room Exit to Pool, by the Drain - Thin-Set	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-62-Grout *042200836-0017B*	Men's Locker Room, NW Corner of Men's Shower Room Exit to Pool, by the Drain - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-63-Tile *042200836-0018*	Men's Locker Room, SE Corner of the Shower Room, South End of the Drain - 5"x12" Quarry Tile - Dark Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-63-Thin-Set *042200836-0018A*	Men's Locker Room, SE Corner of the Shower Room, South End of the Drain - Thin-Set	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-63-Grout *042200836-0018B*	Men's Locker Room, SE Corner of the Shower Room, South End of the Drain - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042200836
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
22-CP1-64 *042200836-0019*	1961 Building, Large Pool Room, NW Corner of Ceiling Near Entrance to Small Pool Room - 2'x2' Ceramic Board - Gray Smooth and Peg Board Style Panels	Gray Fibrous Homogeneous		82% Non-fibrous (Other)	18% Chrysotile
22-CP1-65 *042200836-0020*	1961 Building, Large Pool Room, NE Corner of Ceiling Near Entry to Pool Storage Room - 2'x2' Ceramic Board - Gray Smooth and Peg Board Style Panels	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
22-CP1-66 *042200836-0021*	1961 Building, Large Pool Room, SE Corner of Ceiling Near Entry to Girl's Locker Room - 2'x2' Ceramic Board - Gray Smooth and Peg Board Style Panels	Gray Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
23-WP1-67 *042200836-0022*	3rd Floor Mechanical Room, West Side of Room on Exhaust Fan #3, East Side - Vibration Cloth - Green, Woven Canvas Type Material	Gray/Green Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
23-WP1-68 *042200836-0023*	3rd Floor Mechanical Room, East Side by Door, on Air Handler Unit for Handball Courts - Vibration Cloth - Green, Woven Canvas Type Material	Gray/Green Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
23-WP1-69 *042200836-0024*	3rd Floor Mechanical Room, South-Central Wall on Small, Elevated Tank - Vibration Cloth - Green, Woven Canvas Type Material	Gray/Green Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
24-MA5-70-Tile *042200836-0025*	1905 Building 1st Floor, Room 1-1, Lobby Area South Entry at Top South Stair Landing, Center Area - Marble Tile - White Round Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-70-Grout *042200836-0025A*	1905 Building 1st Floor, Room 1-1, Lobby Area South Entry at Top South Stair Landing, Center Area - Black Grout	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

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EMSL Order:	042200836
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
24-MA5-71-Tile *042200836-0026*	1905 Building 1st Floor, Room 1-1, East Stairs Lower Landing, North End at Top of Steps - Marble Tile - White Round Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-71-Grout *042200836-0026A*	1905 Building 1st Floor, Room 1-1, East Stairs Lower Landing, North End at Top of Steps - Black Grout	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-72-Tile *042200836-0027*	1905 Building Basement, Elevator Room (B-9) at Doorway Threshold, Centered - Marble Tile - White Round Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-72-Grout *042200836-0027A*	1905 Building Basement, Elevator Room (B-9) at Doorway Threshold, Centered - Black Grout	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-73-Skim Coat *042200836-0028*	1905 Building, Exterior North Wall, Under the Red Fire Escape Under the Yellow Brick - Concrete Skim Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-73-Texture *042200836-0028A*	1905 Building, Exterior North Wall, Under the Red Fire Escape Under the Yellow Brick - Gray Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-74-Skim Coat *042200836-0029*	1905 Building, Exterior North Wall, East Corner by Exposed Limestone Block - Concrete Skim Coat				Layer Not Present
25-MA5-74-Texture *042200836-0029A*	1905 Building, Exterior North Wall, East Corner by Exposed Limestone Block - Gray Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-75-Skim Coat *042200836-0030*	1905 Building, Exterior East Wall, at NE Corner of Building by Exposed Limestone Block - Concrete Skim Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-75-Texture *042200836-0030A*	1905 Building, Exterior East Wall, at NE Corner of Building by Exposed Limestone Block - Gray Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

EMSL Analytical, Inc.
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Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042200836
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
26-SC2-76 *042200836-0031*	1978 Building Exterior, South Wall Center, Where Sidewalk Meets Concrete Wall - Tar Sealant - Black, Smooth Texture	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-SC2-77 *042200836-0032*	1978 Building Exterior, South Wall SW Corner, Where Sidewalk Meets Concrete Wall - Tar Sealant - Black, Smooth Texture	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-SC2-78 *042200836-0033*	1978 Building Exterior, West Wall Center, Where Sidewalk Meets Concrete Wall - Tar Sealant - Black, Smooth Texture	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27-WP1-79 *042200836-0034*	1961 Building, 2nd Floor Mechanical Room, SW Corner of Room on Upper Air Handler Unit - Vibration Cloth - Red Woven Canvas Type Material	Red Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
27-WP1-80 *042200836-0035*	1961 Building, 2nd Floor Mechanical Room, NW Corner of Room on Copper Fan Duct - Vibration Cloth - Red Woven Canvas Type Material	Red Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
27-WP1-81 *042200836-0036*	1961 Building, 2nd Floor Mechanical Room, NW Corner on East Side, on Gray Duct by Wall - Vibration Cloth - Red Woven Canvas Type Material	Red Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
7-FP1-82 *042200836-0037*	1905 Building Basement, North Room (B-6), East Wall by Mech. Room, by 2nd Steel Column - Spray-on Fireproofing - White Thick, Rough Texture, Popcorn Style	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7-FP1-83 *042200836-0038*	1905 Building Basement, North Room (B-6), East Wall, NE Corner by End of Duct Work - Spray-on Fireproofing - White Thick, Rough Texture, Popcorn Style	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

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EMSL Order:	042200836
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
7-FP1-84 *042200836-0039*	1905 Building Basement, North Room (B-6), South Wall, SW Corner of B-6 by Speaker - Spray-on Fireproofing - White Thick, Rough Texture, Popcorn Style	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Gabrielle DiDonato (37)
Michelle Quach (31)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 01/17/2022 13:40:05

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 04220083 6

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Project Name:	Clinton - YMCA	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 South 3rd Street	**City/State / Zip:**	Clinton, Iowa 52732	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	Former YMCA		Additional HA's (cont.)	**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
16 – RF6 – 46	1905 Building, roof 2 – southeast end by east wall, between the two SE windows	1905, 1961, and 1978 building roofs	Built-up roof – black tar paper w/felt paper, yellow foam insulation, & white gypsum board	26,000 SF	F **C1** C2	G **D** SD
16 – RF6 – 47	1905 Building, lower roof 2 – south end, SE side between exhaust vent and wall					
16 – RF6 – 48	1961 Building, roof 3 – east side central area, next to the access wall-ladder					
17 – WP1 – 49	1905 basement mechanical room (room B-7), south elevated unit	1905 and 1961 Buildings	Vibration cloth – white, woven canvas type material	13 Units	F C1 **C2**	G **D** SD
17 – WP1 – 50	1905 Building pool mechanical room, central elevated duct unit					
17 – WP1 – 51	2nd Floor mechanical room, south air handler unit, south wall central area					
18 – MA5 – 52	1905 Building 1st floor south entryway, top of stair landing, east side top of slab	1905 Building	Marble tile slabs and associated thin set -	400 SF	F C1 **C2**	**G** D SD
18 – MA5 – 53	1905 Building 1st floor east entryway, lower landing, south side of door, centered					
18 – MA5 – 54	1905 Building 1st floor east entryway, lower landing, south side of door, bottom					
19 – MA5 – 55	1905 Sub-level women's locker room, NW side next to steam room, by electrical box	1905 Building	5" x 12" Ceramic block and grout – off-white with brown specks	1,000 SF	F C1 **C2**	**G** D SD
19 – MA5 – 56	1905 Sub-level women's locker room, NW shower room by south drain area					
19 – MA5 – 57	1905 Sub-level women's locker room, North-central area above the west sink					
20 – MA5 – 58	1905 Sub-level women's locker room, south end by central entrance, by sinks	1905 and 1961 Buildings	5" x 12" Ceramic block and grout – tan w/gray grout	2,200 SF	F C1 **C2**	**G** D SD
20 – MA5 – 59	1961 Building, large pool room, NW corner by entrance to small pool room					
20 – MA5 – 60	1961 Building, 2nd floor gym, SW corner doorway, at upper right door jamb					

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22 JAN 17 AM 8:59
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CINNAMINSON NJ

Sampling Date: January 13, 2022 **Collected by (print):** Steven Mack **Inspector's Signature:** Steven Mack

Relinquished by: Steven Mack **Date/Time:** 1/13/2022 **Received by:** KD EMSL FX 8:45AM **Date/Time:** 1-17-2022

Analysis: PLM EPA 600/R-93/116 ☒ PLM 400 Point Count ☒ TEM ☐ Other _____

Turnaround Time: 3 Hrs. ☐ 24 Hrs ☐ 2 Days ☐ 3 Days ☐ 5 Days ☐ Other 6 Hr. TAT

Instructions:

Terracon ARMS: ☒ **Stop Positive:** ☐ **Number of samples:** _____

[1] F = Friable; C1 = Category I: packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable; any materials other than Cat. I containing >1% asbestos

OrderID: 04220083 6

39

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042200836

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
21 – MA3 – 61	Men's locker room, NE corner of men's shower room at the north end of drain	1978 Building	5"x 12" Quarry tile and associated thin set, and grout – dark brown w/gray grout	500 SF	F C1 **C2**	**G** D SD
21 – MA3 – 62	Men's locker room, NW corner of men's shower room exit to pool, by the drain					
21 – MA3 – 63	Men's locker room, SE corner of the shower room, south end of the drain					
22 – CP1 – 64	1961 Building, large pool room, NW corner of ceiling near entrance to small pool room	1961 and 1978 Building	2' x 2' Cement board – gray smooth and peg board style panels	4,000 SF	F C1 **C2**	**G** D SD
22 – CP1 – 65	1961 Building, large pool room, NE corner of ceiling near entry to pool storage room					
22 – CP1 – 66	1961 Building, large pool room, SE corner of ceiling near entry to girl's locker room					
23 – WP1 – 67	3rd Floor mechanical room, west side of room on exhaust fan #3, east side	1978 Building, mechanical room	Vibration cloth – green, woven canvas type material	6 Units	F C1 **C2**	G D **SD**
23 – WP1 – 68	3rd Floor mechanical room, east side by door, on air handler unit for handball courts					
23 – WP1 – 69	3rd Floor mechanical room, south-central wall on small, elevated tank					
24 – MA5 – 70	1905 Building 1st floor, room 1-1, lobby area south entry at top south stair landing, center area	1905 Building, basement, and 1st floor	Marble tile and grout – white round tile with black grout	3,000 SF	F C1 **C2**	G **D** SD
24 – MA5 – 71	1905 Building 1st floor, room 1-1, east stairs lower landing, north end at top of steps					
24 – MA5 – 72	1905 Building basement, elevator room (B-9) at doorway threshold, centered					
25 – MA5 – 73	1905 Building, exterior north wall, under the red fire escape under the yellow brick	1905 Building, exterior foundation	Concrete skim coat – gray rough texture	300 SF	F C1 **C2**	G **D** SD
25 – MA5 – 74	1905 Building, exterior north wall, east corner by exposed limestone block					
25 – MA5 – 75	1905 Building, exterior east wall, at NE corner of building by exposed limestone block					
26 – SC2 – 76	1978 building exterior, south wall center, where sidewalk meets concrete wall	1978 Building, exterior	Tar sealant – black, smooth texture	75 SF	F C1 **C2**	G D **SD**
26 – SC2 – 77	1978 building exterior, south wall SW corner, where sidewalk meets concrete wall					
26 – SC2 – 78	1978 building exterior, west wall center, where sidewalk meets concrete wall					

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CINNAMINSON, NJ

OrderID: 042200836

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042200836

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
27 – WP1 – 79	1961 Building, 2nd floor mechanical room, SW corner of room on upper air handler unit	1961 Building	Vibration cloth – red woven canvas type material	4 Units	F C1 **C2**	G D **SD**
27 – WP1 – 80	1961 Building, 2nd floor mechanical room, NW corner of room on copper fan duct					
27 – WP1 – 81	1961 Building, 2nd floor mechanical room, NW corner on east side, on gray duct by wall					
7 – FP1 – 82	1905 Building basement, north room (B-6), east wall by mech. Room, by 2nd steel column	1905 Building, basement	Spray-on fireproofing – white thick, rough texture, popcorn style	3,000 SF	F C1 C2 **RACM**	G **D** SD
7 – FP1 – 83	1905 Building basement, north room (B-6), east wall, NE corner by end of duct work					
7 – FP1 – 84	1905 Building basement, north room (B-6), south wall, SW corner of B-6 by speaker					
– –					F C1 C2	G D SD
– –						
– –						
– –					F C1 C2	G D SD
– –						
– –						
– –					F C1 C2	G D SD
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– –						
– –					F C1 C2	G D SD
– –						
– –						

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OrderID: 042200836

APPENDIX C

LICENSES

STEVEN MACK

DOB: 07-03-1970

Issued: 03-08-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5930	01-28-2022

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

May 20, 2021

James R Baxter Jr.
870 40th Avenue
Bettendorf, IA 52722

Dear James R Baxter Jr.

The department has reviewed the information you submitted and determined that you have met the requirements for certification in the state of Iowa as a Lead Inspector/Risk Assessor. Your certification number is: LEAD-INSP10101.

Your certification will expire on May 19, 2024. By that date, you must renew your certification in order to perform any lead professional certification activities. To renew your certification, you will need to have completed the appropriate refresher course. Refresher courses are valid if taken within 3-years from the date that you renew.

Please keep a copy of your certification on your person or in an easily retrievable area at the work site. If you submitted your application online or with a valid email address, the certification is being provided to you electronically. You may choose to either print these documents or have them available on your phone or other electronic device for display if requested.

You can find the certification requirements and work practice standards for all lead professionals in Iowa Administrative Code 641 - Chapter 70, which is at: http://www.idph.iowa.gov/LPP under "Resources". You **must** be currently certified to perform work that requires certification.

Bureau of Environmental Health Services
Lead Professional Certification
Phone: 800-972-2026
E-mail: Lead.Bureau@idph.iowa.gov



IOWA DEPARTMENT OF PUBLIC HEALTH

James R Baxter Jr.

Lead Inspector/Risk Assessor

Certification Number: LEAD-INSP10101

Expiration Date: May 19, 2024

APPENDIX D

PHOTO LOGS

Confirmed ACM Photo Log
Confirmed LBP Photo Log



Photo 1: View of 1905 Bldg. 1st floor, north room 2' x 2' ceiling tile (NC-01).



Photo 2: View of 1905 Bldg. 2nd floor, 9" x 9" floor tile, south restroom, beneath vinyl flooring (NC-04).



Photo 3: View of 1905 Bldg. 1st floor, 9" x 9" floor tile in main lobby, beneath underlayment (NC-16).



Photo 4: View of 1905 Bldg. Mag. Pipe insulation, basement landing of east stairwell (PC1-01).



Photo 5: View of 1905 Bldg. basement, mudded joint fitting with canvas wrap (PC2-04).



Photo 6: View of 1905 Bldg. basement, mudded joint fitting w/ canvas wrap on fiberglass pipe (PC3-07).

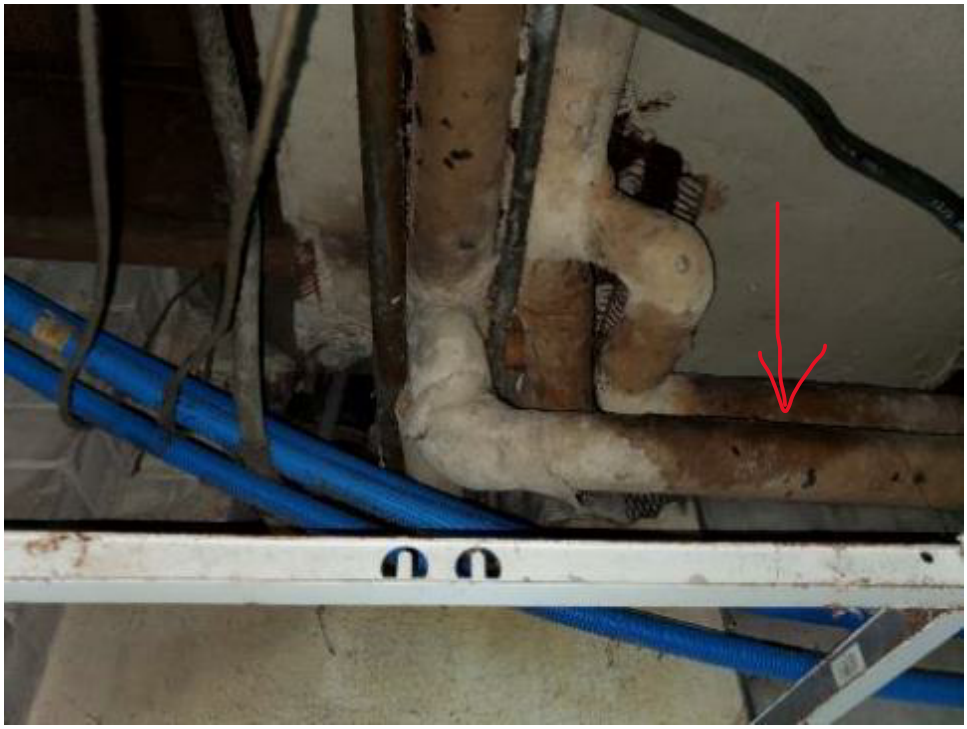


Photo 7: View of 1961 Bldg. 2nd floor gym, mudded fitting w/ canvas wrap on hard-wrap pipe (PC4-10).



Photo 8: View of 1905 Bldg. basement, 9" x 9" floor tile and mastic, southeast room, corner (PC5-13).



Photo 9: View of 1905 Bldg.1st floor, southeast room, 9" x 9" floor tile, (PC6-16).



Photo 10: View of 1905 Bldg.1st floor, storage room, 9" x 9" floor tile (PC7-19).



Photo 11: View of 1905 Bldg. 2nd floor, near the restrooms, 9" x 9" floor tile & mastic (PC8-22).



Photo 12: View of 1905 Bldg. 2nd floor, kitchen area, 9" x 9" floor tile (PC9-25).



Photo 13: View of Bldg. 1961 1st floor, main lobby, 12" x 12" floor tile & mastic (PC13-37).



Photo 14: View of 1905 Bldg. basement, 9" x 9" floor tile & mastic, southeast room, corner (PC14-40).



Photo 15: View of 1905 Bldg. basement, 9" x 9" floor tile, southeast room (PC15-43).



Photo 16: View of 1905 Bldg. 2nd floor north room, black caulk behind paneling walls (HA-1).



Photo 16: View of 1961 Bldg. exterior north wall, gray caulk on building exhaust (HA-15).



Photo 16: View of 1905 Bldg. exterior window caulk around window frames, gray (HA-15).



Photo 17: View of 1961 mezzanine mechanical room vibration cloth, white (HA-17).

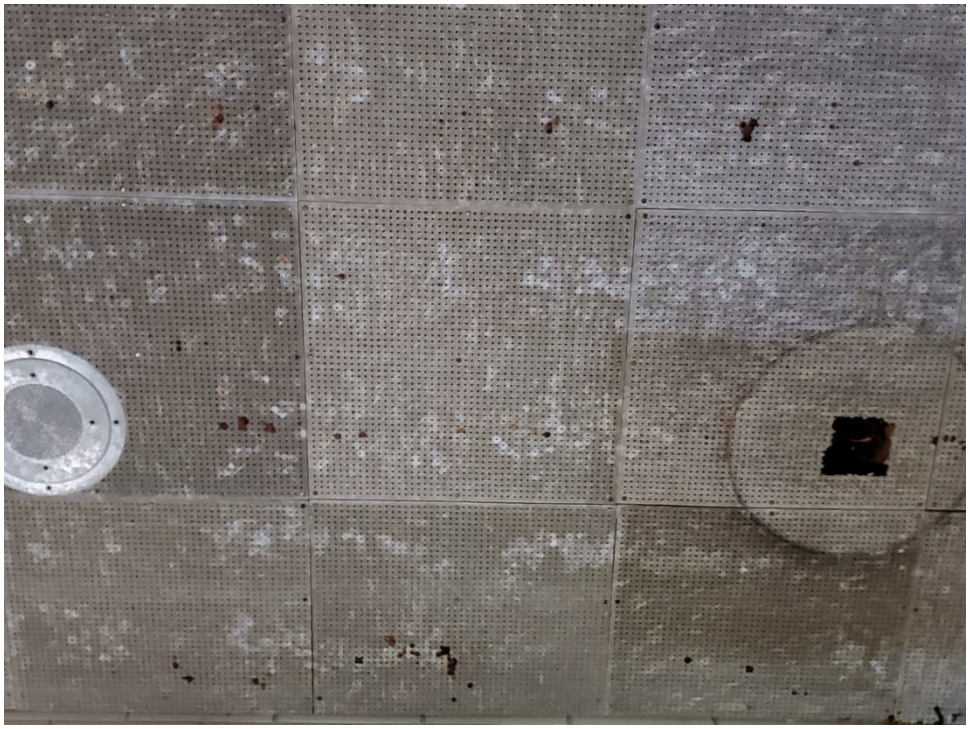


Photo 18: View of 1961 Bldg. 2" x 2" cement board pegboard panels, gray (HA-22).



Photo 1: View of LBP plaster in main entrance area of building



Photo 2: View of LBP on glazed ceramic block in locker rooms

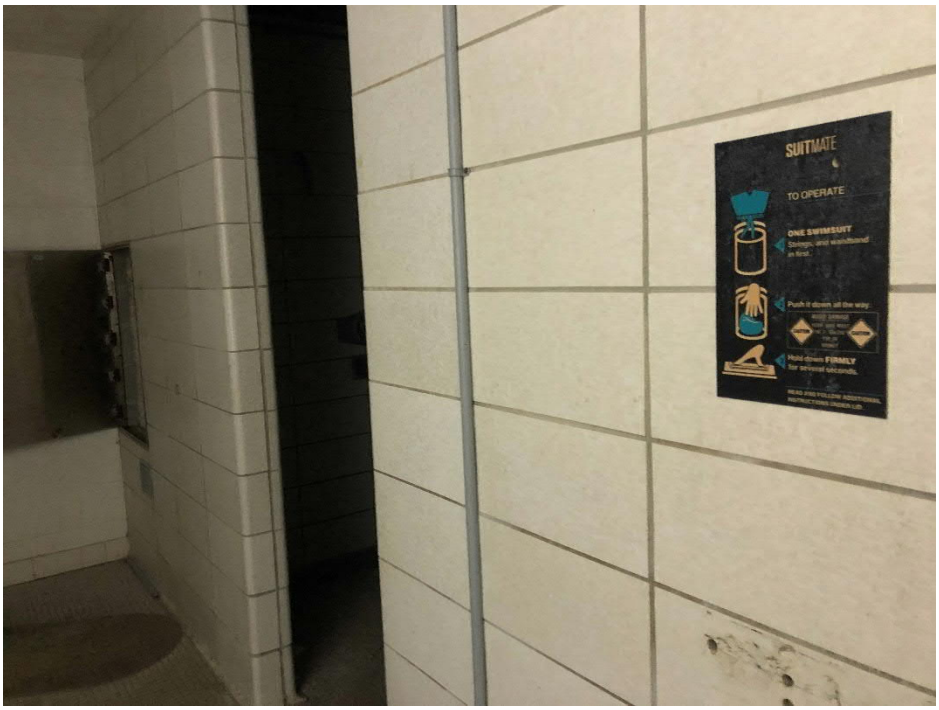


Photo 3: View of LBP on glazed ceramic block in locker rooms



Photo 4: View of LBP on glazed ceramic block in locker rooms



Photo 5: View of LBP on lockers



Photo 6: View of LBP on lockers



Photo 7: View of LBP on west wall of main lobby/entrance area



Photo 8: View of LBP on support poles in small gym

APPENDIX E

EXHIBITS

Asbestos Containing Materials Legend

- 9" x 9" Floor tile & mastic, beige with tan & brown spots (black mastic is < 1%)
  9" x 9" Floor tile & mastic, gray w/white specks (black mastic is < 1%)
  9" x 9" Floor tile & mastic, light tan (black mastic is < 1%)

- 12" x 12" Floor tile & mastic, white w/brown streaks

- 2' x 2' Ceiling tile, white , pinholes and slight texture

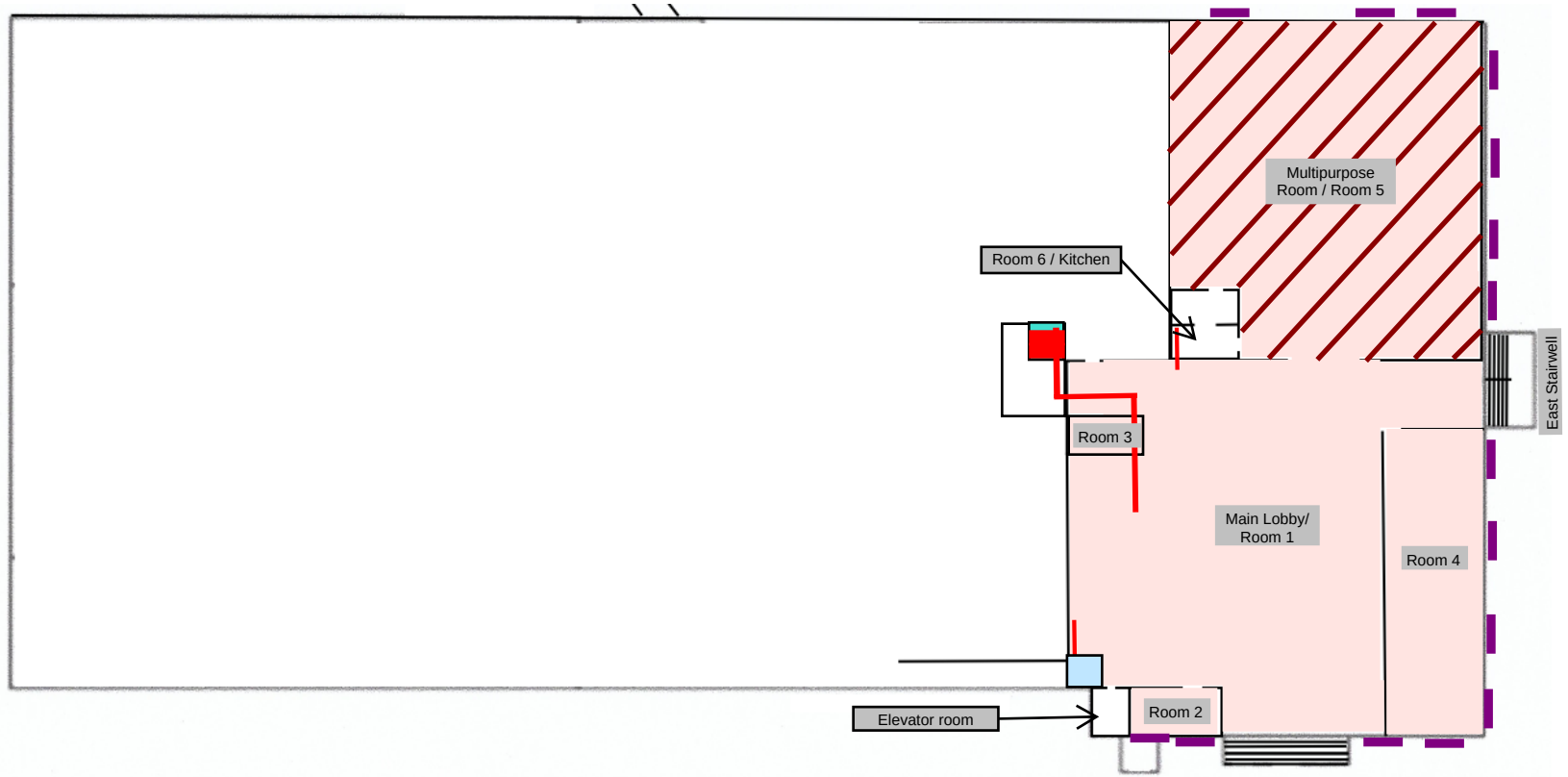
Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
Pipe insulation-layered paper with canvas wrap (hard-wrap)

- Vertical pipe chase

- Caulk, gray/white

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The ceiling tile encompass the entire area inside the dark red slash marks.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T18
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1905 Building Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 1

Asbestos Containing Materials Legend

- Mag pipe insulation, white with canvas wrap
- 9” x 9” Floor tile & mastic, red
- 9” x 9” Floor tile & mastic, brown
- 9” x 9” Floor tile & mastic, beige w/tan and brown spots (black mastic is < 1%)
- 9” x 9” Floor tile & mastic, beige w/streaks(black mastic is < 1%)
- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- Cement board ceiling panels, gray, thin, smooth
- Vibration cloth, white, woven material
- Gasket, boiler door

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The cement board ceiling panels encompass the entire area inside the purple slash cross marks.

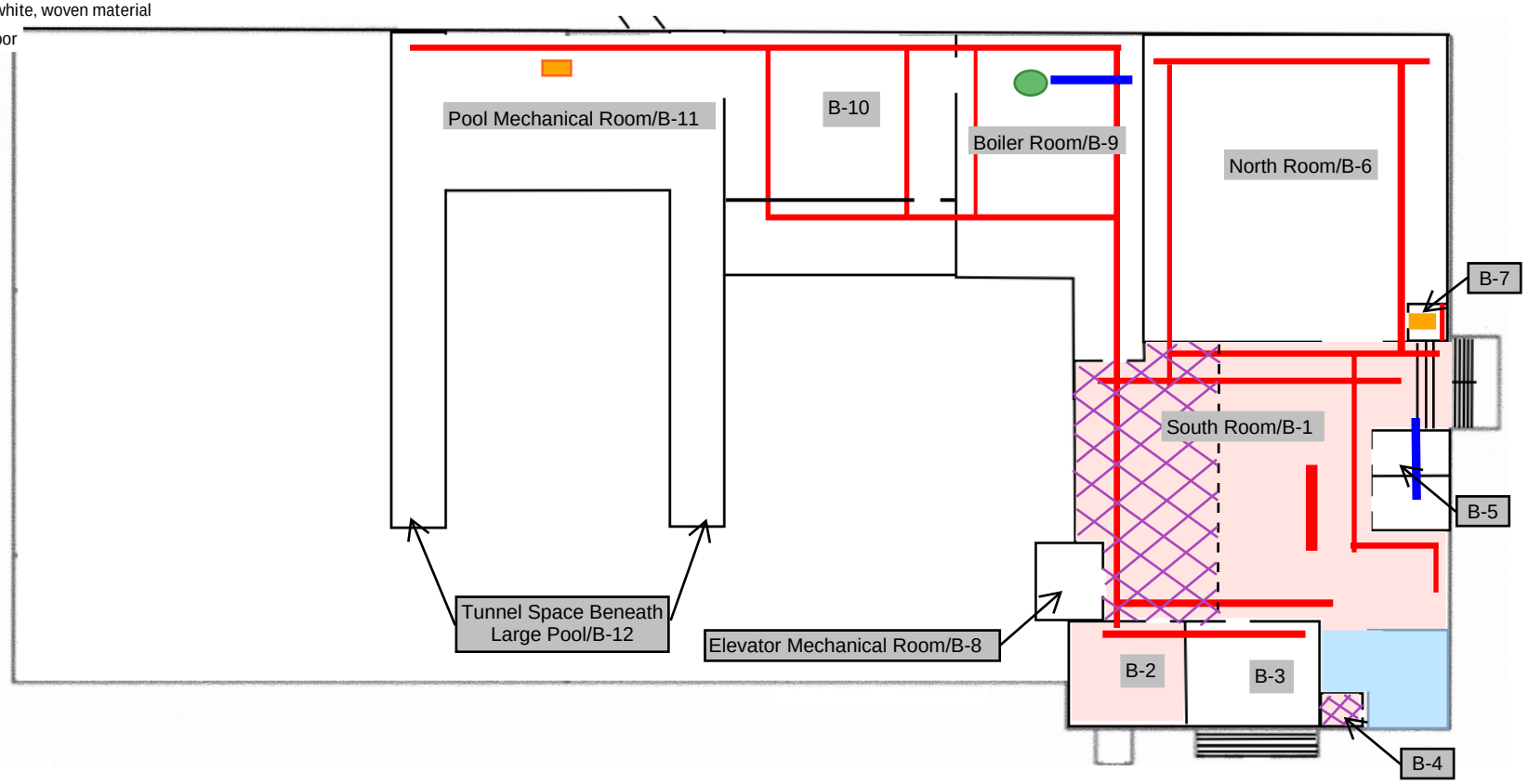


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1905/1961 Basement/Boiler Rooms
Former YMCA – 480 South 3rd Street
Clinton, Iowa

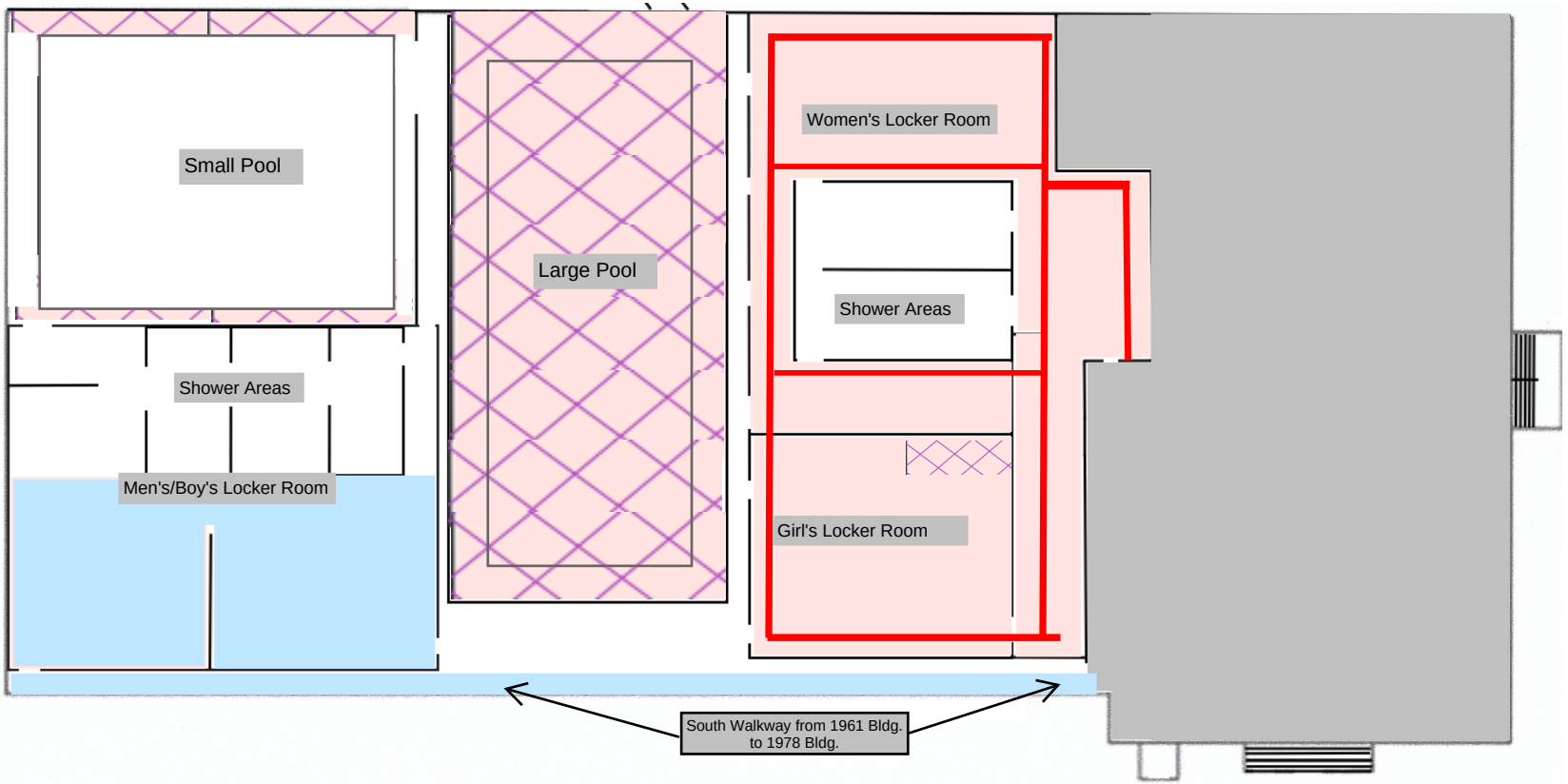
EXHIBIT 2

Asbestos Containing Materials Legend

- 9” x 9” Floor tile & mastic, beige w/tan and brown spots (black mastic is < 1%)
- 12" x 12" Floor tile & mastic, white w/brown streaks
- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- Cement board ceiling panels, gray, thin, smooth

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The cement board ceiling panels encompass the entire area inside the purple slash cross marks.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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Consulting Engineers & Scientists
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PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1961/1978 Sub-Level (Locker Rooms and Pools)
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 3

Asbestos Containing Materials Legend

- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- 9” x 9” Floor tile & mastic, red
- 9” x 9” Floor tile & mastic, brown
- 9” x 9” Floor tile & mastic, beige with brown & white streaks
- 12" x 12" Floor tile & mastic, white w/brown streaks
- 9” x 9” Floor tile, beige with tan & brown spots (black mastic is < 1%)
- 9” x 9” Floor tile, beige with streaks (black mastic is < 1%)
- Caulk, gray

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
5. The approximate location of exterior window caulk is indetified with purple lines.

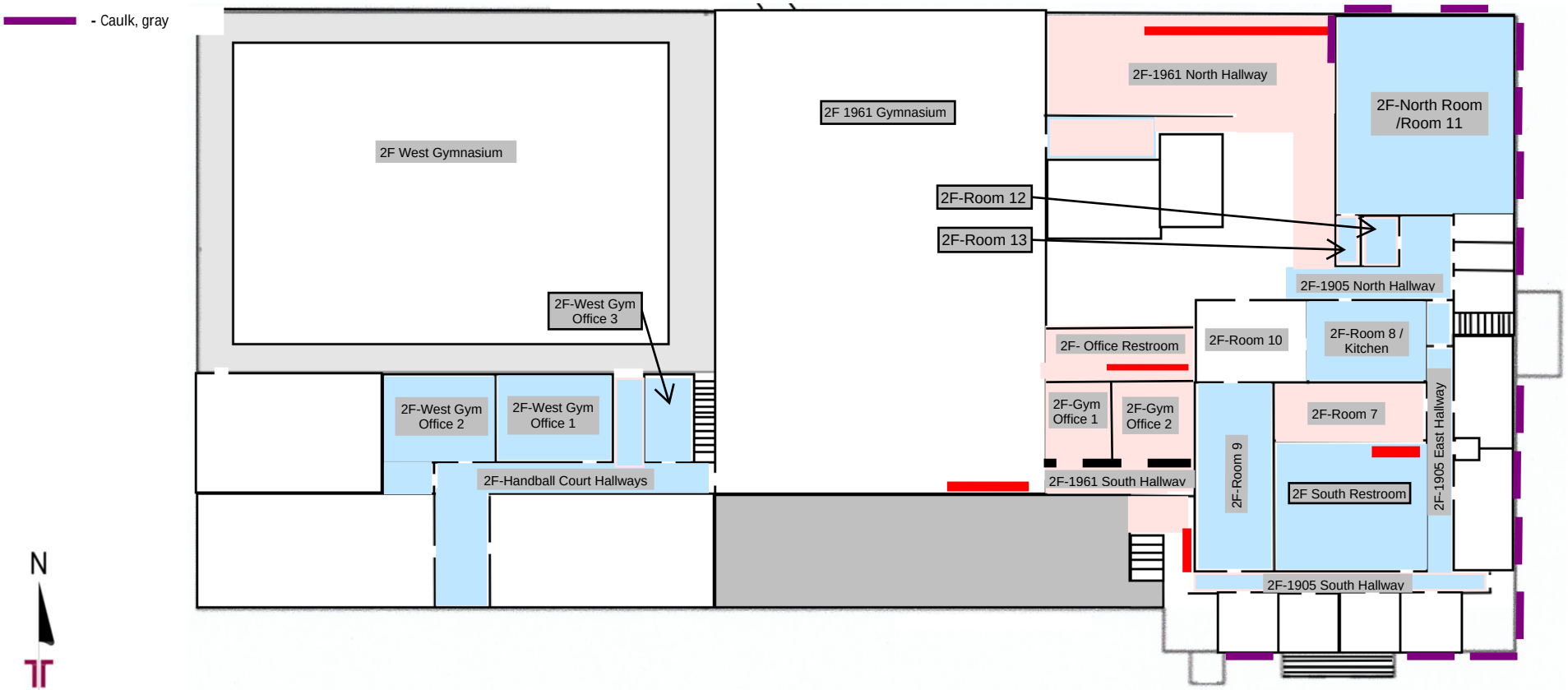


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1905/1961/1978 Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

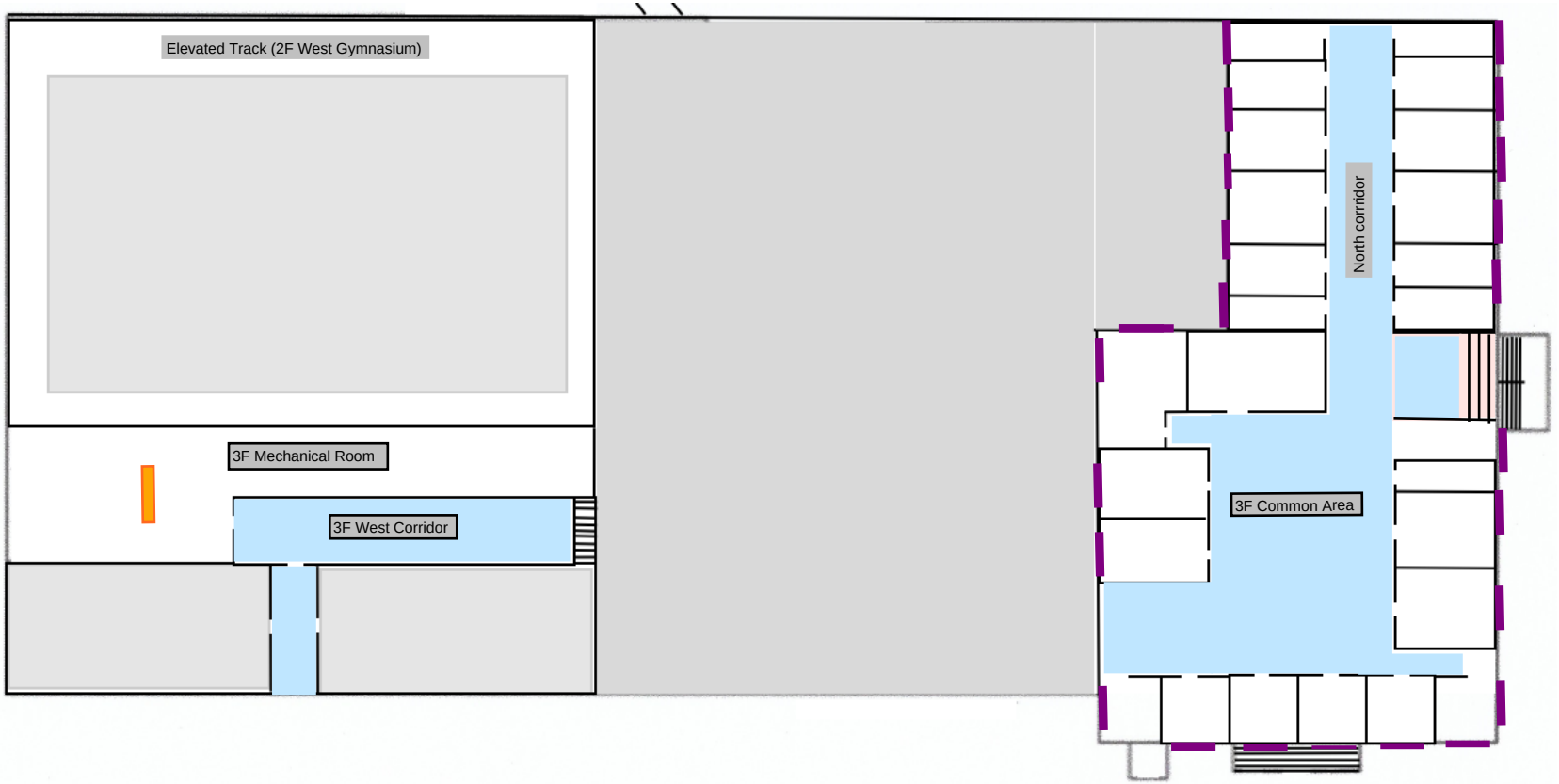
EXHIBIT 4

Asbestos Containing Materials Legend

- 9” x 9” Floor tile & mastic, beige with brown & white streaks
  12" x 12" Floor tile & mastic, white w/brown streaks
- 9” x 9” Floor tile, beige with streaks (black mastic is < 1%)
- Caulk, gray
- Vibration cloth, white, woven material

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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Consulting Engineers & Scientists
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CONFIRMED ACM LOCATION MAP

1905/1978 Buildings, 3rd Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

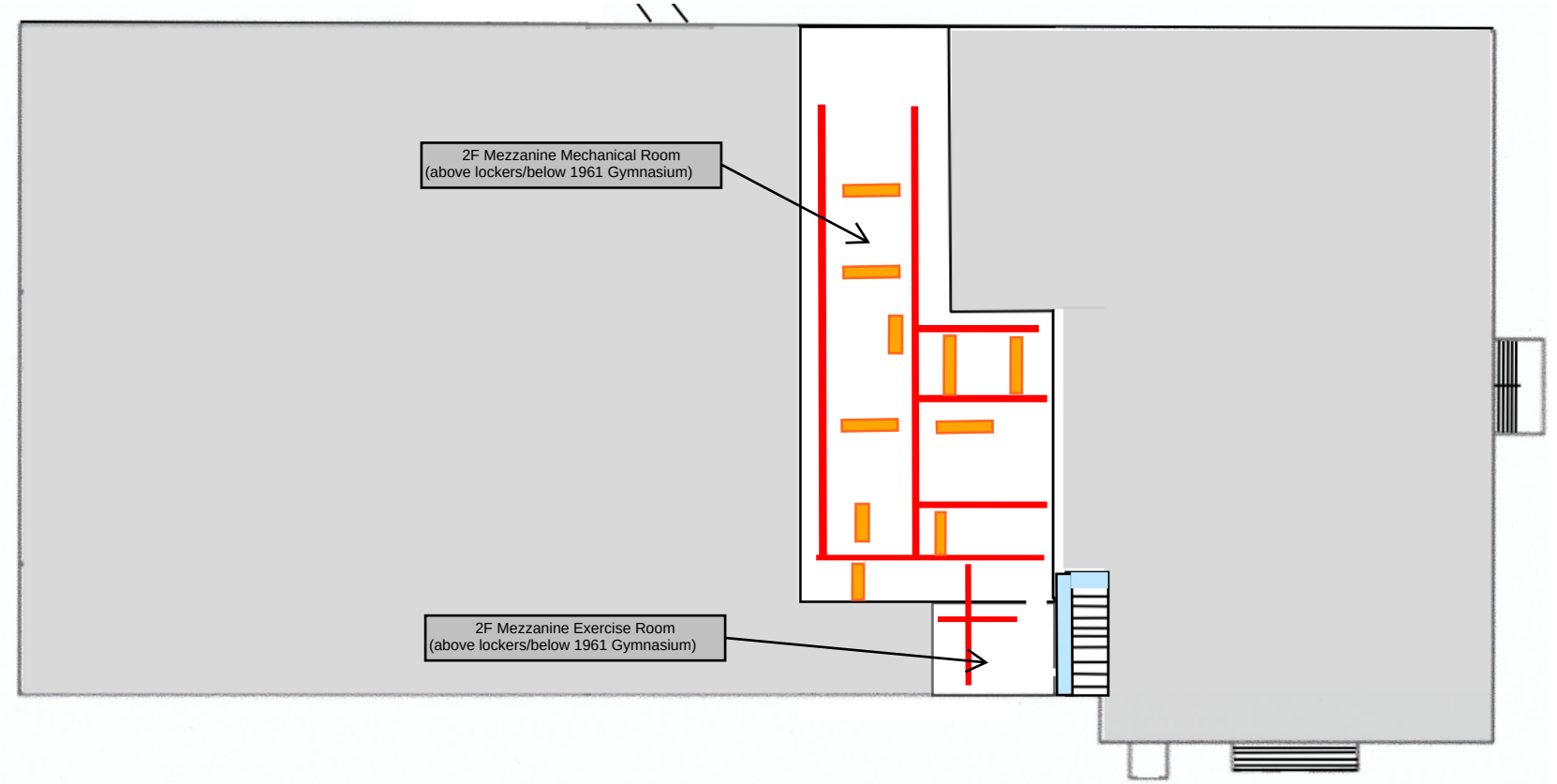
EXHIBIT 5

Asbestos Containing Materials Legend

- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- Vibration cloth, white, woven material
- 9" x 9" Floor tile & mastic, beige with tan & brown spots (black mastic is negative)

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The approximate locations of vibration cloth are identified by orange hash marks.



N

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Project Manager: JRB	Project No. 07207086; T18
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: January 2022

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Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
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CONFIRMED ACM LOCATION MAP

1961 Building Mezzanine Mechanical Room

Former YMCA – 480 South 3rd Street

Clinton, Iowa

EXHIBIT

6

Asbestos Containing Materials Legend

- Built-up roof, under new vinyl sheet roofing (results from EMS report)

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to safety issues and inaccessability, not all roof elevations were sampled. Unsampled materials must be assumed to be asbestos-containing.



N

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Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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Consulting Engineers & Scientists
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CONFIRMED ACM LOCATION MAP

Building Roof
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

7

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

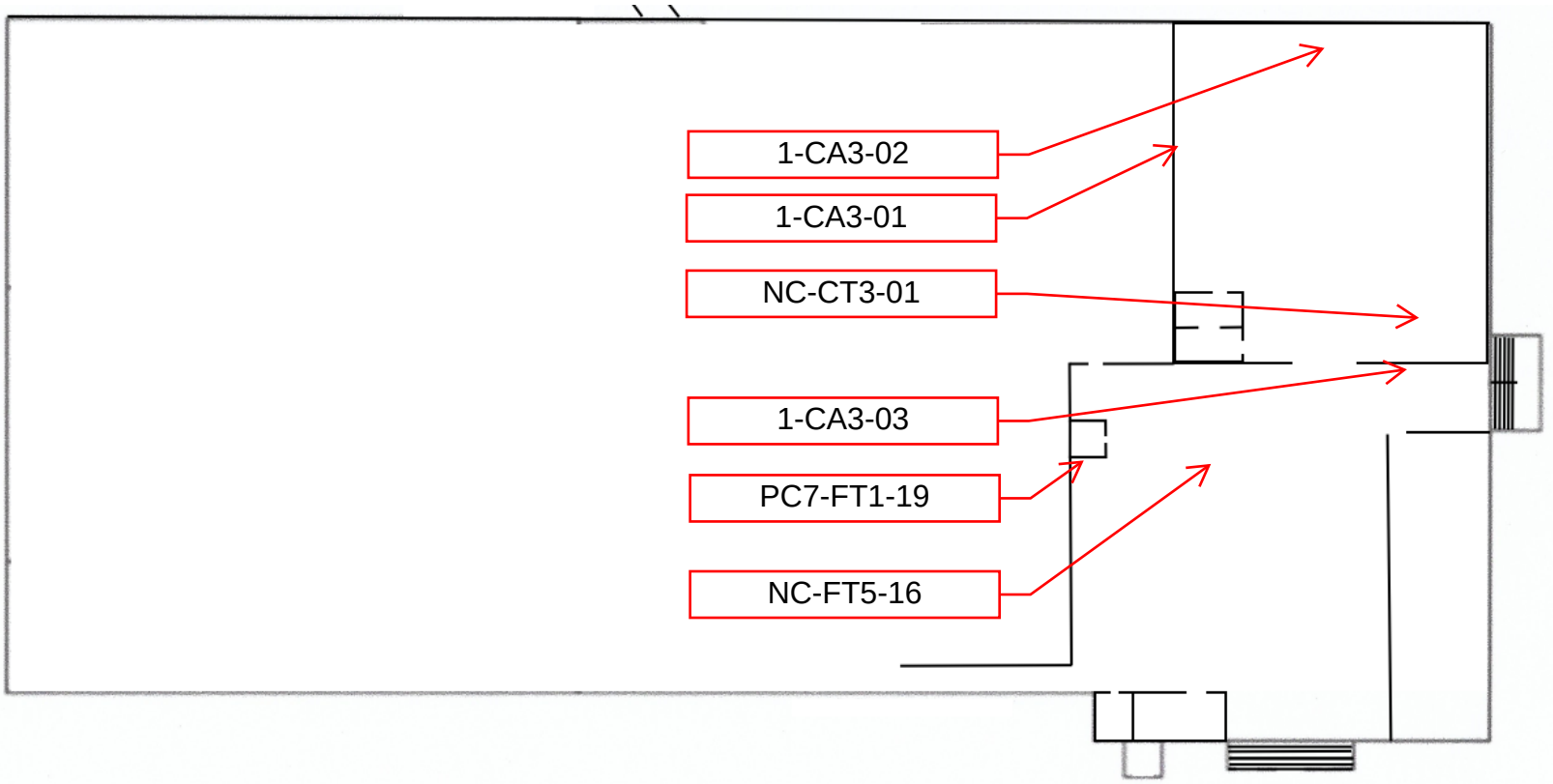


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Project Manager:	JRB
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Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1905 Building Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 8

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

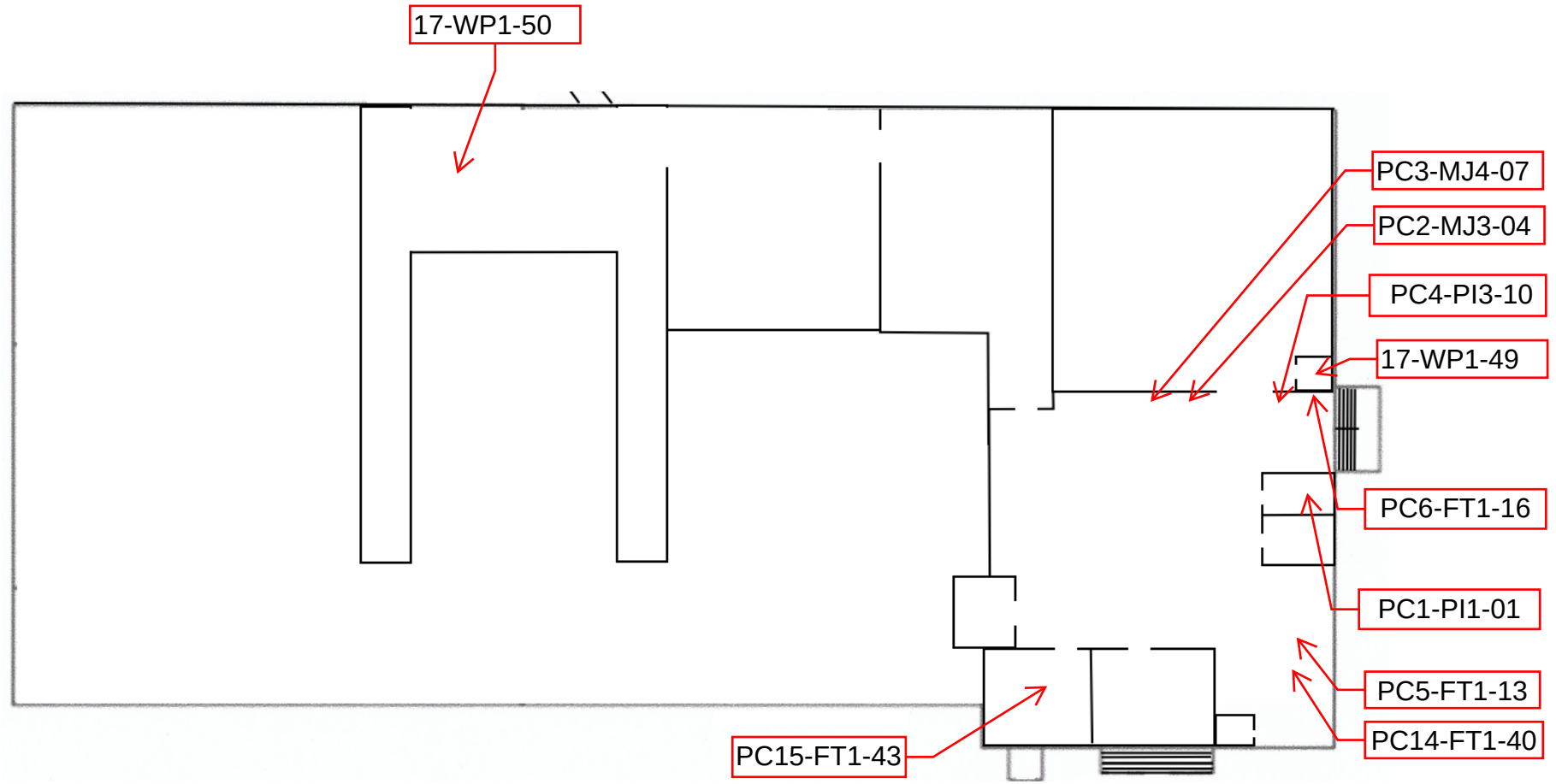


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Project Manager:	JRB
Drawn by:	SMM
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Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1905/1961 Basement/Boiler Rooms
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 9

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

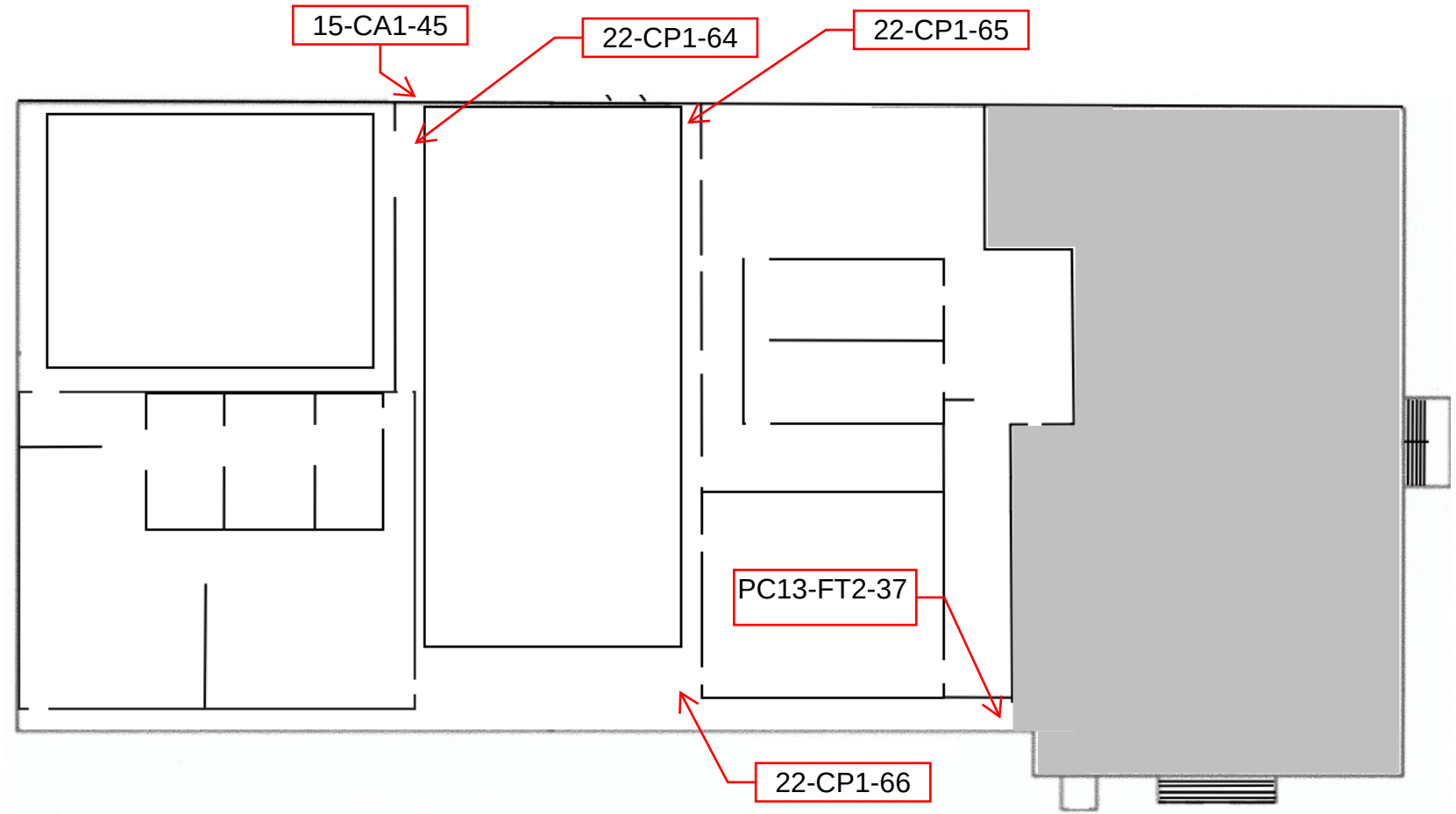


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Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1961/1978 Sub-Level (Locker Rooms and Pools)
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 10

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

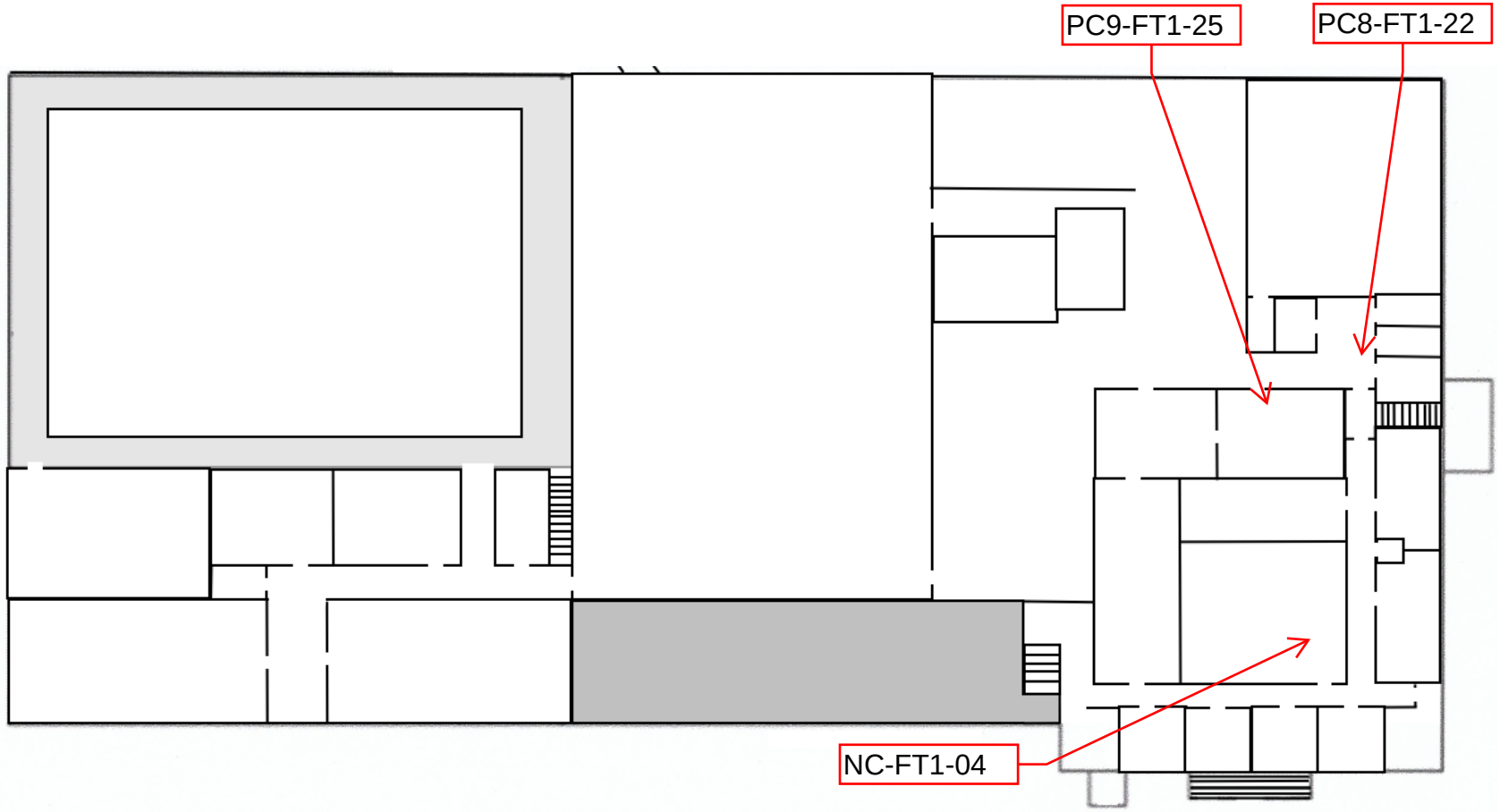


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Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1905/1961/1978 Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 11

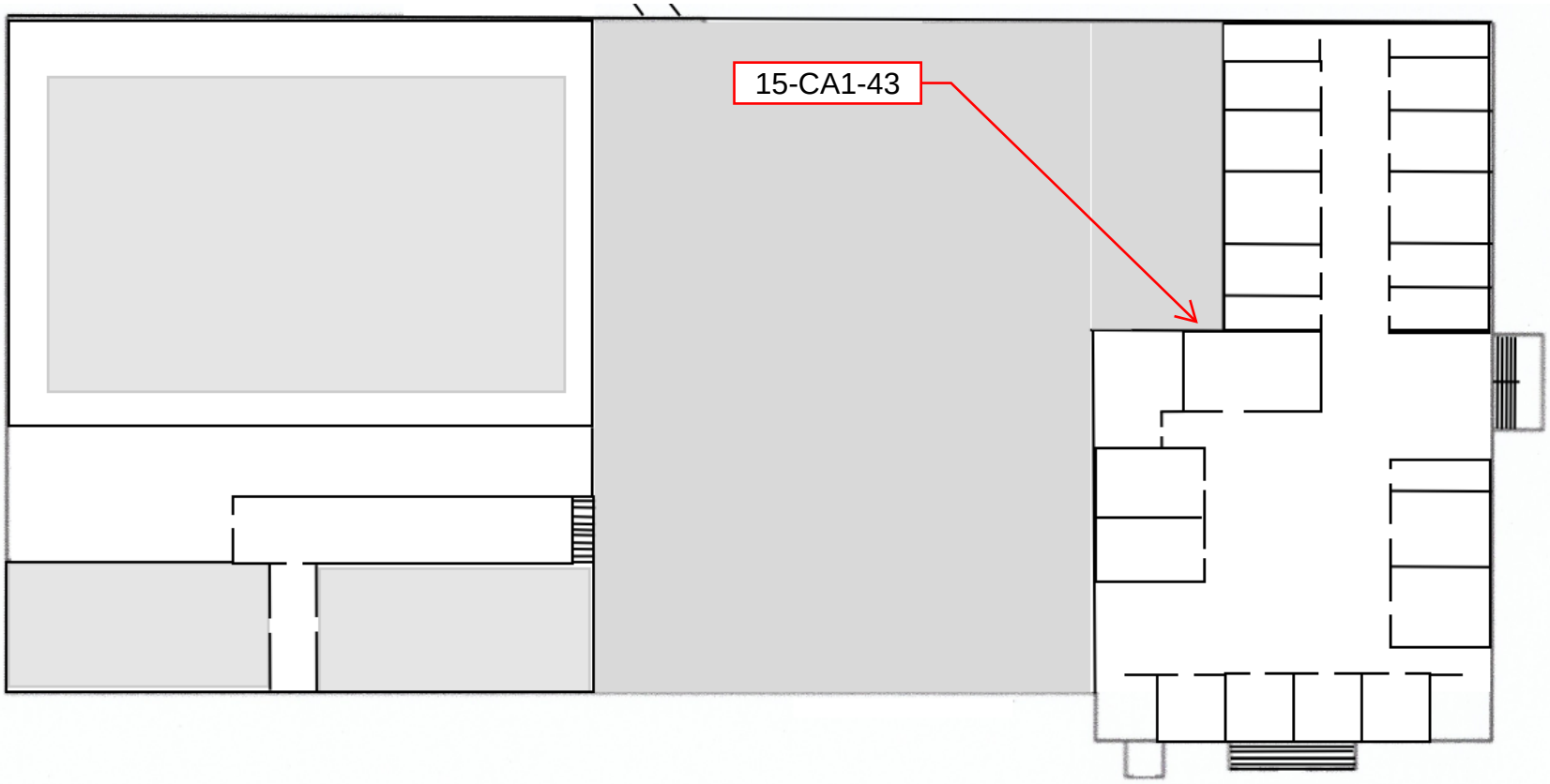
ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.



N

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Project Manager:	JRB
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Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
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Date:	January 2022

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Consulting Engineers & Scientists
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ACM SAMPLE LOCATION MAP

1905/1978 Buildings, 3rd Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

12

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

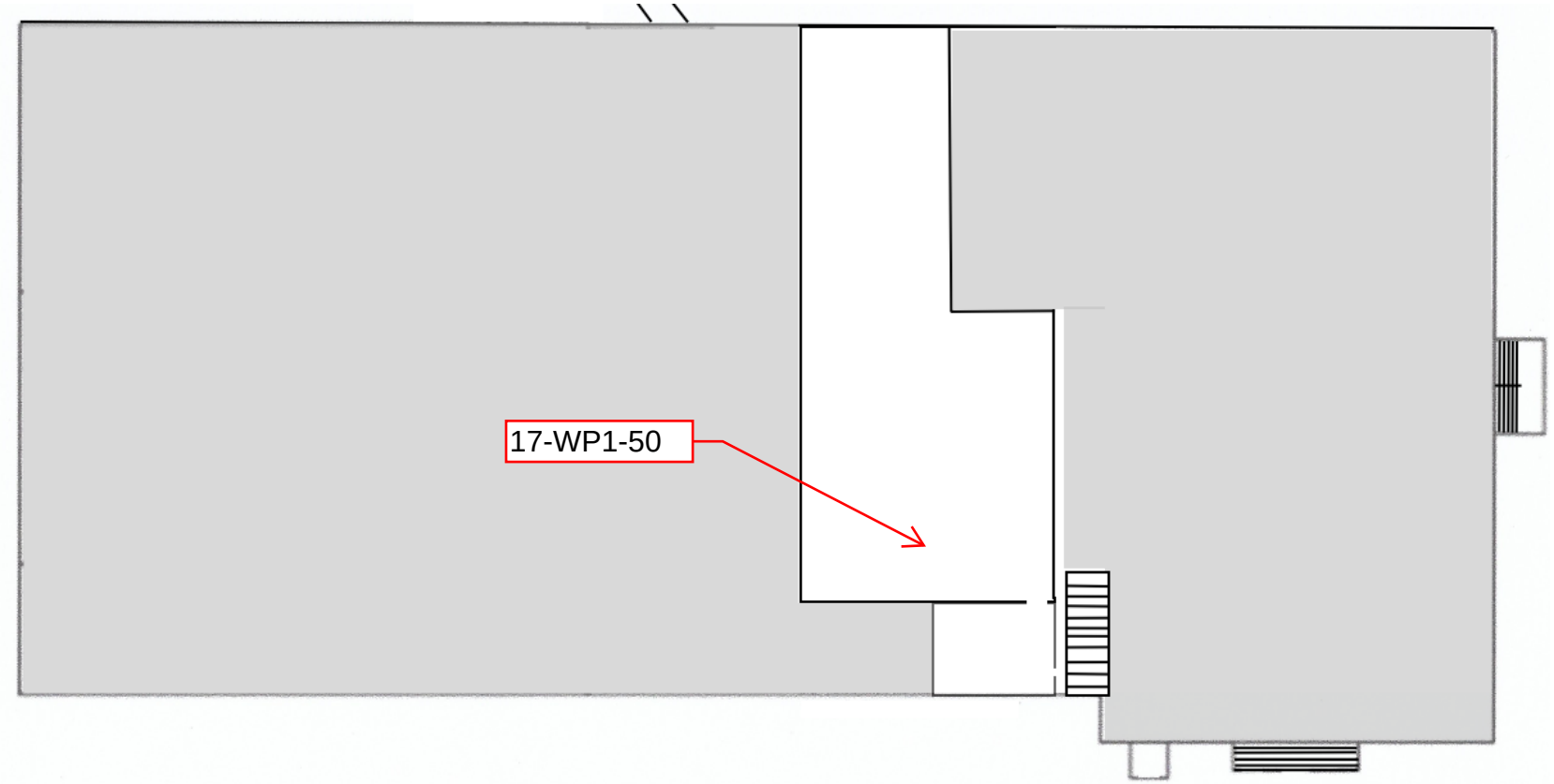


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Project Manager:	JRB
Drawn by:	SMM
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Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1961 Building Mezzanine Mechanical Room
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 13

ACM Sample Locations Legend

– EMS general sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These general locations are approximate to the EMS report, and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB

Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

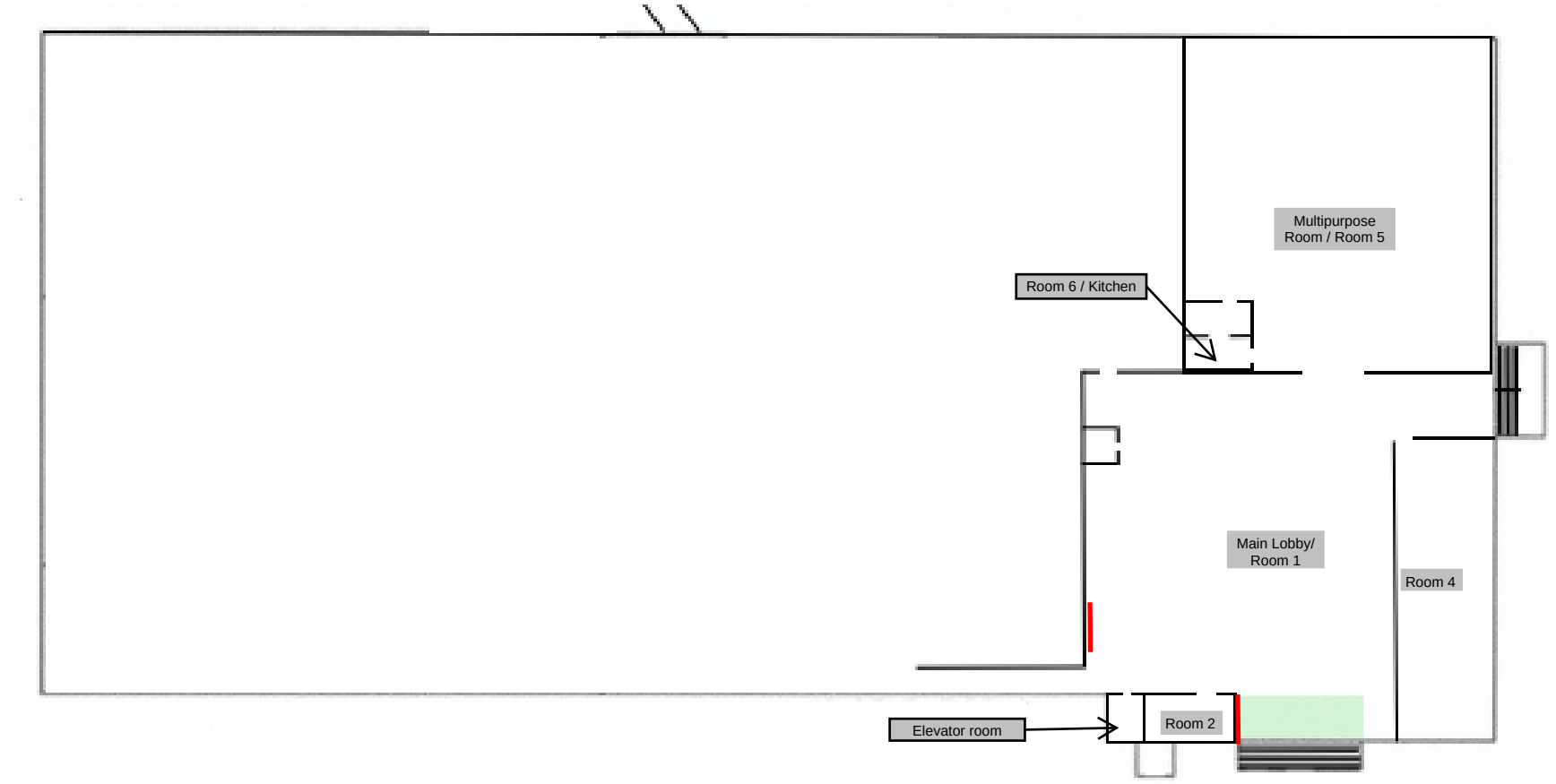
Building Roof
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

14

Approximate location of LBP on plaster ceiling in entryway

Approximate location/assumed extent of LBP on plaster/drywall in entryway/main lobby area



N

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Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB

Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED LBP LOCATION MAP

1905 Building Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

15

Approximate extent/location of LBP glazing on ceramic block walls. Block walls extend floor to ceiling throughout the majority of the locker room areas, and generally include pipe chases as well behind the shower areas

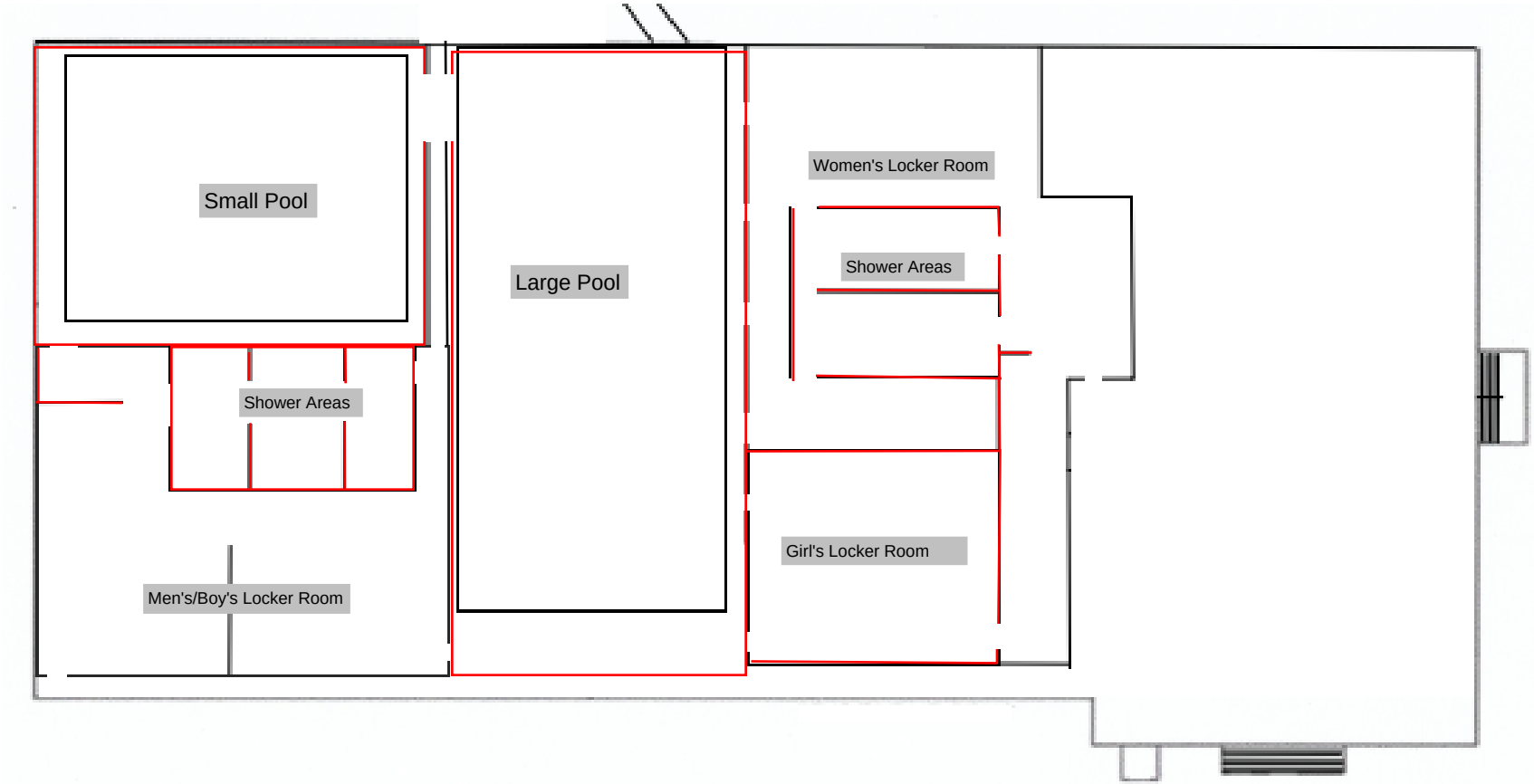


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T18	Terracon Consulting Engineers & Scientists	CONFIRMED LBP LOCATION MAP
Drawn by: SMM	Scale: N.T.S.	870 40th Avenue Bettendorf, Iowa 52722	1961/1978 Sub-Level (Locker Rooms and Pools) Former YMCA – 480 South 3rd Street Clinton, Iowa
Checked by: JRB	File Name: Former YMCA	PH. (563) 355-0702 FAX. (563) 355-4789	EXHIBIT 16
Approved by: JRB	Date: January 2022		

Approximate location of the four LBP support poles on the second floor of the 1905 building

Extent of LBP glazing on ceramic block walls in gymnasium; block walls extend approxiamtely 6 feet up from the floor.

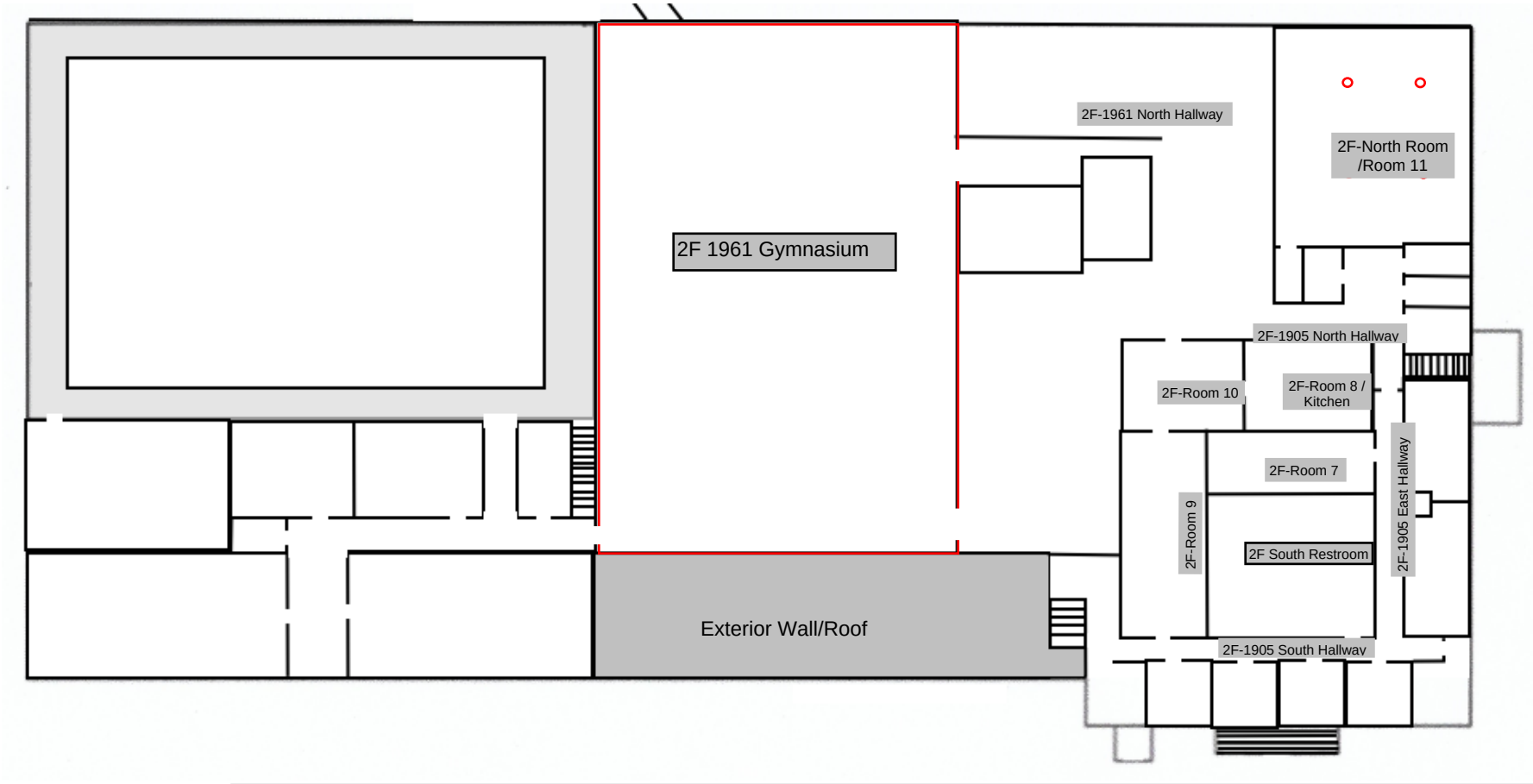


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Project Manager:	JRB
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Approved by:	JRB
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Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED LBP LOCATION MAP

1905/1961/1978 Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 17

APPENDIX C

Terracon Consultants, Inc. Asbestos and Lead-Based Paint Survey Report

Asbestos and Lead-Based Paint Survey Report

Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa

January 21, 2022

Terracon Project No. 07207086; Task 18



Prepared for:

East Central Intergovernmental Association (ECIA)
7600 Commerce Drive
Dubuque, Iowa
&
The City of Clinton, Iowa
611 South 3rd Street
Clinton, Iowa

Prepared by:

Terracon Consultants, Inc.
Bettendorf, Iowa

January 21, 2022

East Central Intergovernmental Association
7600 Commerce Park
Dubuque, Iowa 52002-9673

Attn: Ms. Dawn Danielson
P: (563) 690-5772
E: ddanielson@ecia.org

Re: Asbestos and Lead-Based Paint Survey Report
Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa 52732
Terracon Project No. 07207086; Task 18
Brownfields Assessment Grant: BF97782001

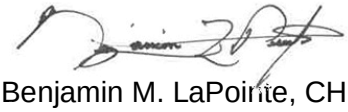
Dear Ms. Danielson:

Terracon Consultants, Inc. (Terracon) is pleased to submit the attached report for the above-referenced site to East Central Intergovernmental Association (ECIA). The purpose of this report is to present the results of the asbestos and lead-based paint sampling survey conducted on October 20, 21, 22, 28, and November 1, 2021. Terracon revisited the site in January 13 and 14, 2022 to further quantify materials and to collect additional confirmatory samples. The assessment was conducted in accordance with the Standard Consultant Contract *for Qualified Environmental Professional (QEP) Consultant Contract, ECIA Brownfield Coalition* dated December 3, 2020, and the Notice to Proceed Asbestos Inspection on 480 South 3rd street, Clinton, dated October 14, 2021. The survey was requested to identify asbestos-containing materials (ACMs) in the buildings located at 480 South 3rd Street Clinton, Iowa.

Asbestos was identified in the samples submitted for laboratory analysis and lead-based paint was identified in sample locations from the building. Please refer to the attached report for additional information.

Terracon appreciates the opportunity to provide this service to the ECIA and the City of Clinton, Iowa. If you have questions regarding this report, please contact James at 563-468-4271.

Sincerely,
Terracon Consultants, Inc.



Benjamin M. LaPointe, CHMM
Environmental Department Manager



James R. Baxter
Environmental Group Manager

TABLE OF CONTENTS

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APPENDIX F PREVIOUS INSPECTION REPORT

ASBESTOS AND LEAD-BASED PAINT SURVEY REPORT
Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa 52732
Terracon Project No. 07217086; Task T18

January 21, 2022

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted an asbestos and lead-based paint (LBP) survey of the former Young Men's Christian Association (YMCA) building located at 480 South 3rd Street, Clinton, Clinton County, Iowa for East Central Intergovernmental Association (ECIA). The survey was conducted on October 20, 21, 22, 28, and November 1, 2021, in general accordance with the Standard Consultant Contract *For Qualified Environmental Professional (QEP) Consultant Contract, ECIA Brownfield Coalition* (The Agreement) dated December 3, 2020, the Asbestos and Lead Sampling and Analysis Plan dated September 8, 2021 (the SAP), and the Notice to Proceed dated October 14, 2021. Terracon revisited the site in January 13 and 14, 2022 to further quantify materials and to collect additional confirmatory samples. We understand the survey was requested in anticipation of future renovation or demolition of the building.

The scope of Terracon's services included the following:

- Locate, sample, quantify, and assess suspect building materials for the presence of asbestos,
- Locate and measure/sample surface coatings (i.e., paint) for the presence of lead-based paint (LBP); and,
- Completion of this survey report.

Suspect asbestos containing materials (ACM) samples were collected in general accordance with the sampling protocols outlined in US Environmental Protection Agency (USEPA) regulation 40 Code of Federal Regulations (CFR) Part 763-Asbestos, Subpart E-Asbestos-Containing Materials in Schools (40 CFR 763; known as the Asbestos Hazard Emergency Response Act, [AHERA]) and Terracon's Sampling and Analysis Plan and delivered to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory for analysis by polarized light microscopy (PLM).

The LBP survey was conducted concurrently with the ACM survey. Surface coatings on building components (i.e., paint, ceramic tile, varnish, etc.) were assessed for lead content using a direct-reading x-ray fluorescence (XRF) analyzer.

1.1 Project Objectives

We understand the asbestos survey was requested in support of the planned renovation and/or demolition of the building to satisfy requirements of the USEPA 40 CFR Part 61, Subpart M, the National Emission Standards for Hazardous Air Pollutants (NESHAP). Terracon also understands that the intent of the assessment is to assist the client with communicating the presence, location, and quantity of ACM to employees, vendors, and contractors working in the building in order to meet the requirements of the Occupational Safety and Health Administration (OSHA) communication of hazard requirements found at 29 CFR 1926.1101. The purpose of this survey was to sample and identify suspect ACM and provide information regarding the identity, location, condition, and approximate quantities of ACM in the building.

Paint sampling was conducted to identify lead containing paints on painted components of the building. The findings of the lead containing paints survey as discussed in this report can be used to assist demolition/renovation contractors prepare appropriate safety plans for worker protection and design work plans as required for environmental protection, material handling, and waste disposal during demolition and/or renovation of the building.

1.2 Project Deviations

It should be noted that the City of Clinton, Iowa provided Terracon with an “Asbestos Inspection Report”, conducted by Environmental Management Services of Iowa, Inc. (EMS), (the EMS Report) sometime after receiving authorization to proceed with the survey and prior to Terracon’s mobilization. The City of Clinton, Iowa asked Terracon to utilize the EMS Report to aid in the survey activities. Utilizing the EMS Report to the best of our understanding/capabilities, Terracon collected additional confirmatory samples of materials reported as positive (less than or equal to 6% asbestos) and negative (none detected) by EMS. Terracon applied SAP protocols for point-count methodologies for sample analyses on materials reported by EMS, as warranted. Additionally, Terracon collected bulk samples of materials that appeared to have been not included in the EMS Report. A copy of this EMS Report is included as Appendix F. Please see section 3.1.3 for additional information and discussion of the sampling methodologies for previously assessed materials.

The following areas were either inaccessible and thus were not sampled or had limited access for sampling:

- Covered walkway that runs across the alley to the north;
- Elevators / elevator equipment;
- Electrical equipment;
- Tunnel spaces that had standing water, preventing visual access for additional pits, pumps, or other equipment;
- Subsurface materials / equipment;
- Pipe flanges and associated gasketing.

A positive stop method regarding point-count samples was conducted (i.e., duplicate point-count analysis was not conducted on homogeneous areas (HAs) confirmed positive via point count). Positive stop for point-count samples was conducted based on cost limitations of point-count samples and that asbestos is assumed to be present throughout a HA given any confirmed positive analysis. Therefore, further analysis is not required to determine whether the material is asbestos containing after a point-count analysis confirms asbestos content of a material. Since duplicate analysis of positive point-count samples was not conducted, relative percent difference (RPD) evaluation was conducted only for polarized light microscopy (PLM) analysis of each HA sampled. As discussed in the SAP, asbestos content of HAs are known to have variance in both the material and via the laboratory technician's determinations conducting PLM analysis. Therefore, duplicate sampling cannot be relied upon as a measure of precision of PLM analysis. However, data variance of PLM analysis is typical the material types of each HA identified. Therefore, HAs identified in the field, based on type, texture, color, use and other distinctive features, are presumed valid and representative building materials observed.

1.3 Reliance

This report is for the exclusive use of ECIA and the City of Clinton, Iowa for the project being discussed. Reliance by other parties on this report is prohibited without written authorization of Terracon and ECIA. Reliance on this report by ECIA, the City of Clinton, Iowa, and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and the Standard Consultant Contract. The limitations of liability defined in The Agreement is the aggregate limit of Terracon's liability to ECIA.

2.0 SITE DESCRIPTION

Based on information obtained from the Clinton County Assessor's Office[1], the original multi-story site building was constructed circa 1905, with reported additions in 1960 and 1978. The following table provides a summary of pertinent building information and construction information such as structure and finishes used within the Building(s).

[1] Posted at: https://clintoncity.iowaassessors.com/parcel.php?gid=260951.

Table A. YMCA Building Description and Information

Building Description and Information				
Building Use	Former YMCA and living space; currently unoccupied			
Owned/Leased	Owned by the City of Clinton, Iowa			
Building Square Footage	Approximately 70,000 square feet (SF)		Number of Floors	3
Construction Date	Circa 1905, additions in 1961 and 1978		Renovation Date(s)	Unknown
Basement:	Partial basement: 8,000 SF		Tunnels: Yes	Attic: No
Building Construction				
Main Structure	Brick / Concrete			
Flooring Structure	Concrete			
Flooring Finishes	Terrazzo, vinyl floor tile, concrete, carpeting			
Exterior Walls	Brick, block and limestone walls			
Interior Wall Finishes	Plaster, drywall, glazed block,			
Roof Type	Rubber membrane / concrete deck (built-up roofing underneath some membranes)			
Ceilings	Lower:	Plaster, cement board, acoustical	Upper:	Concrete
HVAC* Equipment	Hot water / boiler, central air; roof mounted units (RTUs)			

*HVAC – Heating, Ventilation and Air Conditioning

The building is currently unoccupied and in poor condition at the time of the inspection. Trash and debris were observed throughout the building including furniture, appliances, and miscellaneous building material. Significant water and structural damage were observed throughout the building at the time of the site reconnaissance. During Terracon's return visit to the site in January 2022, City personnel were on-site and indicated that the building had been broken into several times and that numerous copper pipes had been cut/removed from the site; Terracon personnel observed sections of copper pipe on the main level of the 1905 building and in the tunnel spaces around the large pool during the January 2022 field services. It is possible that additional break-ins may occur at the site which could impact asbestos or LBP materials, or further affect the building as it was observed by Terracon.

3.0 FIELD ACTIVITIES

3.1 Asbestos Survey

The asbestos survey was conducted in general accordance with the SAP by Mr. Steve M. Mack, a State of Iowa licensed asbestos inspector (license number 21-5930). Field survey activities were conducted on October 21, 22, 28, and November 1 of 2021, and January 13, 14 of 2022. A copy of Mr. Mack's asbestos inspector license is included in Appendix C.

3.1.1 Visual Assessment

Terracon's licensed inspector initiated the survey with a visual assessment of accessible exterior and interior areas of the structure to identify suspect ACMs. Terracon segregated suspect ACM into HAs based on type, texture, color, renovations, use, and other distinctive features and assign each identified material a unique HA number. HA numbers and material descriptions, locations, and other identifying factors as appropriate were logged on field log sheets.

Materials such as fiberglass, glass, metal, rubber, or wood are not considered suspect ACM and therefore, were not assigned a unique HA number or sampled.

Terracon completed a review of the EMS Report and limited destructive investigation to identify suspect ACMs prior to the sampling efforts. Floor coverings such as carpet glue overtop of floor finishes, multi-layered flooring systems debris, and overall cleanliness of the facility, coupled with limited lighting made it difficult to discern materials/colors in the field. Our best judgement and professional opinion as to the homogeneity of materials was applied, as appropriate.

Due to the lack of lighting in many areas, our observations may have been limited. Our survey efforts did not include investigation of sub-surface materials and was limited to visual observations of the electrical distribution equipment as part of these services due to access / safety concerns. Additionally, the elevators and associated equipment were not locked-out and therefore not sampled. Access was partially limited around the tunnel spaces associated with the large pool due to standing water, which prevented safe access to some areas of the tunnels. Terracon attempted to visually observe the space but was unable to observe equipment or materials that may have been on the floor or other safety concerns like pits changes in flooring elevation. Although reasonable effort was made to survey accessible suspect materials, additional suspect but unsampled materials could be located in walls, chases, above ceilings, in voids, in the subsurface, or in other concealed areas.

3.1.2 Physical Assessment

A physical assessment of each HA of suspect ACM was conducted to assess the friability and evidence of damage or degradation. A friable material is defined by the USEPA as a material that can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect components.

3.1.3 Sample Collection

Based on Terracon's review of the EMS Report and visual observation, bulk samples of suspect ACM were in general accordance with the site-specific SAP and USEPA sampling protocols. Terracon collected a minimum of three samples from each homogenous area that was identified as new or not previously assessed in the EMS report.

To the extent feasible, bulk samples were collected using wet methods using a surfactant solution as applicable to reduce the potential for fiber release. Samples were placed in unused, dedicated, and disposable sealable bags; an indelible marker was used to record the unique sample identification code on each bag. Sample identification codes were recorded on field log sheets with other information including collection date and time, collection locations, and estimated total quantity of each HA recorded.

To further define, clarify, and categorize materials presented in the EMS Report, Terracon also employed the following sample collection scheme(s):

- Collection of confirmatory samples (at least one) of apparent homogenous materials identified in the EMS Report that were indicated as non-detect for asbestos.
  - Terracon collected 25 samples from materials that were apparently reported as non-detect (negative) in the EMS report.

- Collection of confirmatory samples of apparent homogeneous materials identified in the EMS Report with results greater than or equal to 6% asbestos.
  - Terracon collected 45 samples from materials that EMS reported with an asbestos concentration of 6% or less. These materials were submitted to the NVLAP accredited lab for analysis using a 400 point-count method (with positive stop).

- Sampling of materials that were not readily apparent in the EMS report, based on our discretion.
  - Terracon collected 84 samples of materials that were deemed to not be represented by the previous sampling activities.

Asbestos content of suspect ACM does not diminish, degrade, or alter as a result of sample collection, holding periods, and laboratory analysis. Therefore, preservation methods and hold time limits do not apply to quality assurance/quality control (QA/QC) measures of field and laboratory activities.

3.1.4 Sample Analysis

Each set of bulk samples collected was submitted under a separate chain-of-custody to EMSL Analytical, Inc. (EMSL) of Cinnaminson, New Jersey, for the specified analysis. The confirmation samples (originally reported as negative by EMS) and materials not previously assessed by EMS were submitted for analysis by PLM with dispersion staining techniques per USEPA's *Method for the Determination of Asbestos in Bulk Building Materials* (600/R-93/116). The percentage of asbestos, if present, was determined by microscopic visual estimation. EMSL is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), Accreditation No. 101048-0. EMSL personnel conducted laboratory data validation for precision and accuracy in accordance

with their standard laboratory analytical procedures provided with the Generic QAPP dated April 7, 2021.

Based on the results of the PLM analysis and in accordance with the approved SAP, supplemental analysis of select asbestos samples with a result greater than 0% and up to 6% asbestos content (including previous positive samples noted in the EMS report) was conducted using the 400-point count method (600/R-93/116) with gravimetric preparation, where indicated by the laboratory method.

3.2 Lead-Based Paint Survey

The LBP screening was conducted by Mr. James R. Baxter on October 20, 21, and 22, 2021. The LBP screening included a visual assessment of coated surfaces in and on the buildings to identify areas/materials that would require analysis by an x-ray fluorescence analyzer (XRF) to analyze for lead content. Mr. Baxter is a Certified Lead Inspector/Risk Assessor (Certification/License Number: LEAD-INSP10101, expiration date May 19, 2024). A copy of Mr. Baxter's license is included in Appendix C.

3.2.1 Identification and of LBP Testing Combinations

Terracon visually identified LBP testing combinations of each room, unit, space, and/or common area. A testing combination is characterized by the room equivalent, the component type, and the substrate. A room equivalent is an identifiable part of a building (room, foyer, hallway, etc.). Painted surfaces include any surface coated with paint, shellac, varnish, stain, paint covered by wallpaper, or any other coating.

3.2.2 LBP Sampling Using XRF

Terracon used a Viken Detection Pb200i handheld XRF lead paint analyzer (serial number 2366), which has direct-reading capability, to screen for lead content on interior surface coatings. The XRF is a portable electronic device containing a small, sealed nuclear source. The device emits x-rays at various energy levels. The x-ray energy excites electrons in the outer orbits of lead atoms. The detector in the XRF unit reads this excitation and translates it into a semi-quantitative reading of lead present per surface area. XRF technology allows detection of lead in a painted surface, even several layers below the surface, without disturbing the painted surface. Using the manufacturer provided calibration block, Terracon calibrated the XRF unit to approximately 1.0 mg/cm^2 (minimum of three readings) and performed a negative calibration check prior to conducting the screening services. Where applicable, the calibration process was repeated at the mid-day break, and again at the end of each day the XRF was used for the project.

Using the XRF, Terracon obtained 121 readings of painted surfaces to evaluate for the presence of LBP. A summary of the readings obtained is included as **Table 5** in **Appendix A**.

4.0 REGULATORY OVERVIEW

4.1 Asbestos Regulatory Overview

In Iowa, asbestos activities are regulated by the Iowa Department of Natural Resources (IDNR) and the Division of Labor, Iowa Workforce Development (IWD). IDNR regulates asbestos fiber emissions under Iowa Administrative Code 567 Chapter 23 (IAC 567-23) and asbestos-containing waste disposal under IAC 567-109. IWD regulates occupational exposure to asbestos under IAC 875-10 and asbestos removal and encapsulation activities under IAC 875-155.

IAC 567-23.1(3) adopts USEPA's asbestos NESHAP (40 CFR Part 61, Subpart M) by reference. Subpart M regulates asbestos fiber emissions and asbestos waste disposal practices. It also requires the identification and classification of existing materials prior to demolition or renovation activity. Under NESHAP, asbestos-containing building materials are classified as friable, Category I nonfriable, or Category II nonfriable ACM. Friable materials are those that, when dry, may be crumbled, pulverized, or reduced to powder by hand pressure. Category I nonfriable ACM includes packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than 1% asbestos. Category II nonfriable ACMs are any materials other than Category I nonfriable materials that contain more than 1% asbestos.

Regulated ACM (RACM) must be removed before renovation or demolition activities that will disturb the materials. RACM includes:

- Friable ACM;
- Category I nonfriable ACM that has become friable or will be subjected to drilling, sanding, grinding, cutting, or abrading; and
- Category II nonfriable ACM that could be crumbled, pulverized, or reduced to powder during renovation or demolition activities.

The owner or operator must provide the IDNR and IWD with written notification of planned removal activities at least 10 working days prior to the commencement of asbestos abatement activities. Removal of RACM must be conducted by an Iowa-permitted asbestos abatement contractor.

IAC 875-155 Asbestos Removal and Encapsulation require that any asbestos-related activity conducted in a public building must be conducted by personnel licensed or permitted by the IWD. Inspections for ACM must be conducted by IWD-licensed inspectors. Asbestos abatement must be conducted by IWD-permitted asbestos abatement contractors. When an abatement project design is prepared, it must be prepared by an IWD-licensed project designer.

IAC 875-10 adopts the OSHA Asbestos Standard for construction (29 CFR 1926.1101) by reference. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below the permissible exposure limits (PELs) of 0.1 asbestos fiber per cubic centimeter of air (0.1 f/cc) as an 8-hour time-weighted average (TWA) or 1.0 f/cc as a 30-minute excursion

limit. The OSHA standard classifies construction and maintenance activities that could disturb ACM and specifies work practices and precautions that employers must follow when engaging in each class of regulated work.

4.2 Lead Regulatory Overview

Lead is regulated by both the USEPA and OSHA. USEPA regulates lead use, removal, and disposal, and OSHA regulates worker exposure to lead. USEPA defines LBP as paint, varnish, stain, or other applied coatings that contain lead equal to or greater than 1.0 mg/cm^2, 5,000 milligrams per kilogram (mg/kg), or 0.5% by dry weight as determined by laboratory analysis. For the purpose of the OSHA lead standard, lead includes metallic lead, all inorganic lead compounds, and organic lead soaps. The federal OSHA standard does not define the amount of lead in paint that constitutes lead-based paint, thus all paint containing lead is considered lead-containing paint (LCP).

Additionally, the USEPA regulates the disposal of hazardous materials. USEPA has stated that components removed with intact LBP that is not delaminating from the substrate may be disposed of as general demolition debris. If the LBP is stripped from components, or if it is delaminating from the substrate, the waste may be subject to hazardous waste rules [i.e., Toxicity Characteristic Leaching Procedure (TCLP)]. Other materials potentially containing lead (e.g., batteries, flashings, etc.) must also be properly disposed of.

The OSHA lead standard for construction (29 CFR 1926.62) applies to all construction work where an employee may be occupationally exposed to lead. Work related to construction, alteration, renovation, or repair (including painting and decorating) is included in this standard. The lead standard applies to ***any*** detectable concentration of lead in paint, as even small concentrations of lead can result in unacceptable employee exposures depending on the method of removal and other workplace conditions. As per this standard, construction includes, but is not limited to, the following:

- Demolition or salvage of structures where lead or materials containing lead are present.
- Removal or encapsulation of materials containing lead.
- New construction, alteration, repair, or renovation of structures, substrates, or portions containing lead, or materials containing lead.
- Installation of products containing lead.
- Lead contamination/emergency clean-up.
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are conducted.
- Maintenance operations associated with construction activities described above.

Employees may not be exposed to lead at concentrations greater than the PEL of 50 micrograms per cubic meter (μg/m^3) averaged over an 8-hour period without adequate protection. The OSHA

standard also establishes an action level of 30 μg/m^3, which if exceeded, triggers certain requirements, including periodic exposure monitoring and medical monitoring.

5.0 FINDINGS AND RECOMMENDATIONS

5.1 Asbestos Survey Findings

Laboratory analysis of bulk samples confirmed the presence of asbestos in samples collected on October 22, 24, 28, and November 1, 2021 and January 13 and 14, 2022. **Table 1** included in **Appendix A** identifies the confirmed ACMs, sample locations, and approximate quantities, along with additional information. A summary of ACMs included in the EMS Report are also summarized in Table 1.

A summary of materials that have been determined to be <1% asbestos containing is included in **Table 2. Table 3** in **Appendix A** includes a list of inaccessible areas/spaces and materials that were not sampled or are suspected to be present in the facility, based on our experience. The Asbestos Survey Sample Summary is included in **Table 4** in **Appendix A.**

A copy of the asbestos analytical laboratory reports and chains-of-custody/sample sheets are included in **Appendix B**; a confirmed ACM Photo Log is included in **Appendix D.** Exhibits depicting the asbestos materials and positive sample locations (by Terracon) are included as **Exhibits 1-14** in **Appendix E**.

5.2 Asbestos Recommendations

As NESHAP and Occupational Safety and Health Administration (OSHA) regulations (summarized in Section 4.1) govern the removal of ACMs, Terracon recommends that a qualified contractor be retained to properly abate and dispose of ACMs identified within this report in accordance with local, state, and federal regulations.

The owner and/or operator are responsible for NESHAP regulatory compliance regarding the proper removal, handling, and disposal of ACMs containing greater than 1% asbestos prior to renovation or demolition. Also, per state regulations, please be aware that the owner and/or operator must notify the Iowa Department of Natural Resources (IDNR) 10-business days prior to asbestos abatement at certain quantity thresholds and prior to renovation activities.

Materials containing less than 1% asbestos are not considered ACMs under the USEPA NESHAP regulations, but are regulated by the OSHA construction standard, 29 CFR 1926.1101. Due to these considerations, all <1% materials should be handled/removed by trained personnel in accordance with OSHA regulations. Those materials are identified in **Table 2** in **Appendix A,** along with their approximate locations.

We recommend that the assumed ACMs listed in in the Inaccessible Areas in **Table 3** in **Appendix A** be removed by the abatement contractor.

Other general recommendations and considerations include:

- Due to the location of many of the ACMs, the abatement contractor shall be prepared to complete significant demolition to gain access to the materials. It may be advisable to have the abatement contractor be responsible for all demolition activities at the site due to the location of ACMs.
- Significant wall demolition will be required to fully access flooring materials
  - Demising walls have been built over top of flooring.
  - Several ACM floor coverings and mastics are located below underlayment, plywood, carpeting, sheet flooring, and generally on concrete. Significant effort will be required to access the ACM layer.
  - Significant wall, ceiling, and chase demolition will be required to access the TSI runs in cavities. Some of these walls also contain lead-based paint and will require proper removal activities as well.
- If additional but unsampled suspect ACMs are revealed during renovation or demolition activities, the material(s) must be assumed to contain asbestos and treated as such unless sampled by an accredited inspector and laboratory analysis determines otherwise.
- Dewatering of tunnels may be required to fully access the space and suspect ACM.
- The reader of this report should understand the limitations of this survey. If the project area as defined in this report or renovation plans change, additional assessment of previously unsampled suspect ACMs may be necessary.
- For materials that were found to contain <1% asbestos and which will be left in place during demolition (assuming whole building demo), we recommend that:
  - The demolition contractor review and comply with OSHA asbestos standard requirements.
  - Demolition of the structure should be completed utilizing wet methods.
  - Complete prompt clean-up of waste and debris. Place waste in leak tight containers (i.e., lined trucks/roll-offs); waste should be disposed of in an adequately wet manner, at an approved facility.
  - The demolition contractor consults with the landfill for special disposal procedures, if any. The landfill may require that a separate hole be dug,

and materials placed within and immediately covered, much like typical asbestos waste disposal procedures.

A summary of applicable asbestos regulations is presented in Section 4.

5.3 Lead Paint Survey Findings

Based on the direct readouts obtained during the XRF survey, multiple sampled surfaces did contain LBP (indicated in **bold** in Table 5 in Appendix A). The materials generally consisted of **plaster / drywall walls, support poles, and various glazed ceramic blocks**. XRF results less than (<) 1 mg/cm^2 indicate that lead is not present at or above the USEPA criterion for classification for the surface coating as an LBP, however, lead was present and detectable in a majority of the samples analyzed, which, from an OSHA regulatory standpoint, could present an airborne hazard to personnel conducting renovation activities. It should be noted that the Viken PB200i XRF Performance Characteristic Sheet[2] does not have an inconclusive range regarding testing results, therefore, paint chip sampling as indicated in the SAP was not required.

The LBP Survey Summary is included as Table 5 in Appendix A; a photo log for the positive lead samples is included as Appendix D and maps depicting the approximate extent of confirmed LBP are included as Exhibits 15-17.

5.4 Lead-Containing Paint Recommendations

Terracon recommends that all contractor(s) involved in the renovation activities should be informed of the presence of LBP and LCP (lead concentrations less than USEPA criterion) on identified building components. OSHA's lead standard for construction (29 CFR 1926.62) applies regardless of the concentration and contractor(s) will need to provide appropriate personal protective equipment and conduct personal exposure monitoring, at a minimum. Terracon recommends the contractor review the specified work tasks and methods involved in the renovation process and prepare a detailed LBP management plan. The LBP management plan should identify the work procedures and health and safety measures that will be used to control exposures to lead. As indicated in Section 5.2, some of the LBP glazing on the block walls is obstructing access to known or suspect ACMs. All contractors and personnel involved with the project should be made aware of these locations and confirm that the LBP and ACM work plans identify proper precautions for these hazards.

If waste materials containing LCP are generated, they may be regulated as hazardous waste. LCP waste from renovation activities, such as debris, paint chips, dust, and sludges, that exhibit the toxicity characteristic must be managed and disposed of as a hazardous waste under the Resource Conservation and Recovery Act (RCRA), except whole-building demolition debris. The

[2] Posted at: https://www.hud.gov/sites/dfiles/HH/documents/Viken_Pb200i_PCS_0.5_Dec_2020.pdf

hazardous waste criterion for lead wastes is established under RCRA, Subtitle C, as 5.0 milligrams per liter (mg/L) measured by the Toxicity Characteristic Leaching Procedure (TCLP).

6.0 QUALITY CONTROL AND DATA VALIDATION

6.1 Asbestos Quality Control and Data Validation

6.1.1 Field Methods and Measurements

To validate the quality and usability of asbestos data, a review of field activities outcomes and data included the following:

Table B. Asbestos Field Methods and Measurements Review Summary

Review Checklist	Validated	Descriptions
Bulk sampling of suspect asbestos containing materials were conducted in accordance with Terracon standard operating procedure E3000	Yes	
Terracon collected multiple samples of each applicable identified HA at the site to allow assessment of the accuracy of HAs identified and the representativeness of samples collected to each applicable HA in accordance with the SAP.	Yes	
To improve precision, samples of HAs with PLM results greater than 0% and up to 6% were further analyzed via point-counting.	Yes	Samples with PLM findings below 6% were subsequently analyzed via point-counting (400-point count analytical method, with gravimetric preparation, where indicated by the laboratory). As previously indicated, this included samples from the EMS report as part of Terracon's SAP.
Sampling is considered complete if 100% of identified HAs (not assumed or presumed to be ACM) were sampled and analyzed per the SAP.	Yes (with conditions)	Section 1.2 and Table 3 provided in Appendix A summarize inaccessible areas that were not included in the survey. The inaccessible areas may have HAs that could not be identified during the survey.
Chain of custody documents accurately depicts bulk samples collected and submitted, bulk samples/containers were received intact, and laboratory analysis requests were made pursuant to the SAP.	Yes	
If variances (expressed as percent difference) of either PLM or point-count analysis exceed 50% (based on material type) for a given HA, Terracon assessed the data results of each HA to determine whether multiple potential HAs within the associated sample group may exist.	Yes (with conditions)	RPD evaluation was conducted only for PLM analysis of each HA sampled as discussed in section 1.2 above. Variance of PLM data is typical for material types of each HA identified. Therefore, HAs identified in the field; based on type, texture, color, use and other distinctive features; are considered valid and representative of building materials observed.

6.1.2 Laboratory Methods and Measurements

Laboratory data validation of PLM and point-count methodology was performed by the NVLAP accredited laboratory in accordance with their Standard Operating Procedures included in the ECIA-approved generic QAPP.

Terracon confirmed that the receiving laboratory did not indicate concerns or issues related to sample breakage or tampering on the chain-of-custody upon receipt of the bulk samples. Terracon's review also confirmed that the samples recorded on the chain-of-custody correlated to the analytical information in the laboratory report. As discussed in Section 3.1, Asbestos content of suspect ACM does not diminish, degrade, or alter as a result of sample collection, holding periods, and laboratory analysis; therefore, preservation methods and hold time limits do not apply.

6.2 Lead Based Paint Quality Control and Validation

6.2.1 Field Methods and Measurements

To validate the quality and usability of LBP data, a review of field activities outcomes and data included the following:

Table C. LBP Field Methods and Measurements Review Summary

Review Checklist	Validated	Descriptions
XRF Measurements were conducted in accordance with Terracon standard operating procedure E4000.	Yes	
Calibration of the XRF was conducted per manufacturer specifications and recorded in field logs specific to the property assessed.	Yes	Calibration results of the XRF within the tolerances specified by the device manufacturer indicate that the device is working as intended.
To ensure sample representativeness of each testing combination identified, Terracon collected multiple XRF readings of each testing combination in accordance with the SAP.	Yes	
Sampling is considered complete if 100% of identified LBP testing combinations were measured via XRF and/or sampled and analyzed per the SAP.	Yes (with conditions)	Section 1.2 and Table 3 provided in Appendix A summarize inaccessible areas that were not included in the survey. The inaccessible areas may have LBP that could not be identified during the survey.
Paint chip samples were collected if XRF measurements were within the inconclusive range of the instrument.	N/A	Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of such samples was not completed as part of the survey. Validation of the results was conducted each day the services were completed at the site as part of the calibration checks.

Paint chip samples were collected in accordance with Terracon standard operating procedure E4000.	N/A	Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of paint chip samples was not completed as part of the survey.
Chain of custody documents accurately depict paint chip samples collected and submitted, paint chip samples/containers were received intact, and laboratory analysis requests were made pursuant to the SAP	N/A	Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of paint chip samples was not completed as part of the survey.

N/A = Not Applicable

The XRF used by Terracon requires no substrate correction, so all results at 1.0 mg/cm^2 or greater are considered LBP. It should be noted that Terracon's sampling process was based on the exterior colors and materials observed, and that underlying paint colors may contribute to the positive results.

6.2.2 Laboratory Methods and Measurements

Terracon did not have readings within the inconclusive range of the XRF, and thus, additional laboratory analysis of such samples was not completed as part of the survey. Validation of the results was conducted each day the services were completed at the site as part of the calibration checks.

7.0 LIMITATIONS/GENERAL COMMENTS

At the request of the City of Clinton, Iowa, the asbestos survey services and portions of this report were completed based on information contained in the EMS Report. The user of this report should understand the limitations of relying on this information.

Terracon performed limited demolition or destructive activities during sampling, but did not knocking large holes in walls, dismantle equipment, or remove protective coverings. Reasonable efforts to access suspect materials within known areas of restricted access (e.g., crawl spaces) were made; however, confined spaces or areas which may pose a health or safety risk to Terracon personnel were not sampled. Sampling did not include suspect materials which could not be safely reached with available ladders/man-lifts.

The following areas were either not sampled or had limited access:

- Covered walkway that runs across the alley to the north;
- Elevators / elevator equipment;
- Electrical equipment;
- Tunnel spaces that had standing water, preventing full access and limited visual observations for additional pits, pumps, or other equipment;
- Subsurface materials / equipment;
- Pipe flanges and associated gasketing.

The survey was conducted utilizing limited destructive sampling techniques. It should be noted that some equipment and materials such as electrical systems, gaskets, pumps, or other mechanical devices (if observed) were not sampled as Terracon was not able to confirm that all electrical lines had been switched off or they were not able to be accessed. This survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on the specific conditions during our sampling. The information contained in this report is relevant to the date on which the sampling was conducted and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by ECIA and the City of Clinton, Iowa for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories, or other third parties supplying information used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

TABLES

APPENDIX A
480 South 3rd Street
Clinton, Clinton County, Iowa

TABLE 1 – IDENTIFIED ASBESTOS-CONTAINING MATERIALS BY HOMOGENEOUS AREA (HA)

The materials listed in this table have been sampled and determined to contain asbestos in concentrations greater than 1%. When disturbed, various federal, state, and local regulations will apply. Please refer to the attached Exhibits in Appendix B for the general location of the ACMs and for additional notes.

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
PC1[5]	Thermal Systems Insulation (TSI) Mag pipe insulation, white with canvas wrap	1905 Building – basement room B-5 and B-9 boiler room	2-7% Chrysotile (PLM)[6] 12.75% Chrysotile (PC)[7]	Friable	Significantly Damaged	18 LF
PC2	TSI mudded joint fitting with canvas wrap	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	2-10% Chrysotile (PLM) 7.98% Chrysotile (PC)	Friable	Significantly Damaged	2,500 LF PC4 - This material was apparently referred to as wools felt pipe insulation by EMS.
PC3	TSI mudded joint fitting	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	3-5% Chrysotile (PLM) 12.50% Chrysotile (PC)	Friable	Significantly Damaged	
	TSI mudded joint fitting - canvas wrap		3-5% Chrysotile (PLM) 1.50% Chrysotile (PC)	Friable	Significantly Damaged	
PC4	TSI layered paper pipe insulation - with canvas wrap (hard-wrap)	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	2-3% Chrysotile (PLM) 8.00% Chrysotile (PC)	Friable	Significantly Damaged	
PC5	9-inch (“) x 9” Vinyl floor tile (VFT) - red	1905 Building – SE corner of the basement room B-1; 1st floor room 4; 2nd floor room 2F kitchen	3% Chrysotile (PLM) 5.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	500 SF It is assumed that the <1% associated tar paper will be abated along with the asbestos containing floor tile and mastic
	Mastic – black		3% Chrysotile (PLM) 3.3% Chrysotile (PC)	Non-Friable	Significantly Damaged	

[3] HA – indicates homogenous area
[4] Estimated quantities are based on a cursory field evaluation and actual quantities may vary significantly, especially if ACMs are present in hidden and/or inaccessible areas not evaluated as part of this survey. LF = linear feet; SF = square feet
[5] PC# – indicates an HA number assigned to a confirmatory sample for a material that was apparently indicated as ACM in the EMS Report. Note: these samples were analyzed with a 400-point county analytical method; non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted.
[6] PLM – Polarized Light Microscopy Analytical method.
[7] PC – 400-Point Count analytical method; Note: non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
PC6	9” x 9” vinyl floor tile - beige with tan & brown spots	1905 Building – basement room B-1; 1961 building sub-level women’s and girl’s locker rooms, 1st hallways and stairwells to 2nd floor	2% Chrysotile (PLM) 1.2% Chrysotile (PC)	Non-Friable	Significantly Damaged	5,000 SF The mastic associated with this material was reported as <1% asbestos containing.
PC7	9” x 9” vinyl floor tile - (multiple colors) grey with white specks	1905 Building – basement stair landing; 1st floor room 3, west side storage	2-5% Chrysotile (PLM) 1.7% Chrysotile (PC)	Non-Friable	Significantly Damaged	150 SF
PC8	9” x 9” vinyl floor tile - beige with brown & white streaks	1905 Building 2nd floor, 2F north, south, and east hallways, 2F restroom, 2F rooms 7-9 on the 3rd floor	5% Chrysotile (PLM) 2.8% Chrysotile (PC)	Non-Friable	Significantly Damaged	1,500 SF
	Mastic – black		3% Chrysotile (PLM) 1.1% Chrysotile (PC)	Non-Friable	Significantly Damaged	
PC9	9” x 9” vinyl floor tile - white with brown streaks	1905 Building –2nd floor, room 2F kitchen	3% Chrysotile 5.2% Chrysotile (PC)	Non-Friable	Significantly Damaged	350 SF
PC13	12” x 12” vinyl floor tile - white with brown streaks	1961 Building – South walkway to 1978 building, southeast lobby, west locker rooms, hallways, stairwells; 2nd floor hallways, west and east gym offices, 3rd floor hallways and stairwell, custodial closet	2% Chrysotile (PLM) 3.4% Chrysotile (PC)	Non-Friable	Significantly Damaged	3,600 SF EMS reports this material in the following locations: 1978 building: 1st floor southeast lobby and hall, east stairs, west central locker room area; 2nd floor: handball hall, main hall and janitor’s closet, west office, east office, gym drinking fountain area; 3rd floor: hallway
	Mastic – black		2% Chrysotile (PLM) 2.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	
PC14	9” x 9” vinyl floor tile, brown	1905 Building – basement room B-1 SE corner, room B-2; 2nd floor – 2F kitchen	3% Chrysotile (PLM) 12.2% Chrysotile (PC)	Non-Friable	Significantly Damaged	500 SF
	Mastic – black		3% Chrysotile (PLM) 3.5% Chrysotile (PC)	Non-Friable	Significantly Damaged	

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
PC15	9" x 9" vinyl floor tile - beige with streaks	1905 Building – basement room B-2	5% Chrysotile (PLM) 5.8% Chrysotile (PC)	Non-Friable	Significantly Damaged	5,000 SF Both the black mastic and yellow glue associated with the floor tile were reported as <1% asbestos.
NC01[8]	2-foot (') x 2' ceiling tile, white, with pinholes and slight texture	1905 Building - 1st floor Room 5 (multipurpose room)	4% Amosite (PLM) 1.75% Amosite (PC)	Friable	Significantly Damaged	2,800 SF
NC04	9" x 9" vinyl floor tile, beige	1905 Building, 2nd floor south restroom	3% Chrysotile (PLM) 1.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	4,500 SF
NC16	9" x 9" vinyl floor tile, light tan	1905 Building, 1st floor west side of lobby, beneath carpet and underlayment	5% Chrysotile (PLM) 3.6% Chrysotile (PC)	Non-Friable	Significantly Damaged	1,200 SF
1[9]	Black caulk, rough texture	1905 Building - 2nd floor, 2F room 7, behind the wood paneling on walls	3% Chrysotile (PLM) 3.8% Chrysotile (PC)	Non-Friable	Damaged	1,800 SF
15	Grey caulk; weathered, rough texture	1905 Building - exterior windows and vents	5% Chrysotile (PLM) <0.25 to 1.9% Chrysotile (PC)	Non-Friable	Significantly Damaged	65 Windows, 4 Vent Penetrations Approximately 100 SF Note: the laboratory reported that Sample 15-CA1-043 was a brown-gray color and was determined to be <1% asbestos; that sample is likely not homogeneous to the remainder of the samples. An additional layer could have been applied over the ACM.
17	Vibration cloth – white, woven canvas type material	1905 Building - basement mechanical room, pool mechanical room; 1961 Building – mezzanine mechanical room	20 to 35% Chrysotile (PLM)	Non-Friable	Damaged	13 Units
22	2' x 2' Cement board – gray smooth and peg board style panels	1905 Building: basement south restroom wall panels; basement south main room ceiling; basement south restroom locker room and shower area; pool area; 1961 building: locker room and shower in basement as ceiling repair; 1st floor pool area ceiling; 1978 building: 1st floor pool area	18 to 25% chrysotile	Non-Friable	Damaged	4,500 SF This material is on both walls and ceilings in select locations. Some panels have a pegboard style pattern.
Not Assigned[7]	TSI mudded joint fittings	Associated with TSI layered paper pipe insulation; 1905 Building & 1961 building – throughout buildings	2-5% Amosite; 5-10% Chrysotile	Friable	Significantly Damaged	545 fittings This material was sampled and quantified by EMS And was described by mudded joint fittings on woolsfelt pipe insulation.
Not Assigned[7]	Vibration damper cloth	1905 building basement mechanical room 1961 building 1st floor mechanical room	50% Chrysotile	Friable	Damaged	11 dampers This material was sampled and quantified by EMS
Not Assigned[7]	Breeching insulation	1905 basement boiler room	10% Amosite	Friable	Significantly Damaged	200 SF This material was sampled and quantified by EMS.
Not Assigned[7]	Boiler door gasketing		40% Chrysotile	Friable	Significantly Damaged	2 gaskets This material was sampled and quantified by EMS

[8] NC# – Indicates an HA number assigned to materials/samples that were apparently deemed negative in the EMS Survey and which were subsequently sampled by Terracon and confirmed as ACM through point count analysis.

HA[3]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity[4] / Notes
Not Assigned[7]	White caulk on wood	1905 Building east entry exterior and north entry exterior	2% Chrysotile	Non-Friable	Damaged	40 LF This material was sampled and quantified by EMS
Not Assigned	Linoleum, tan	1905 Building, 2nd, and 3rd floors apartment units	2% Chrysotile	Non-Friable	Damaged	960 SF This material was sampled and quantified by EMS
Not Assigned	Linoleum, green	1905 Building, 2nd, and 3rd floor apartment units	2% Chrysotile	Non-Friable	Damaged	1,170 SF This material was sampled and quantified by EMS
Not Assigned	Linoleum, gray	1905 Building, 2nd, and 3rd floor apartment units	2% Chrysotile	Non-Friable	Damaged	2,865 SF This material was sampled and quantified by EMS
Not Assigned[7]	Heat exchanger insulation	1961 Building, basement pool mechanical room	5% Amosite, 2% Chrysotile	Friable	Significantly Damaged	10 SF This material was sampled and quantified by EMS
Not Assigned[7]	TSI debris		Varies	Friable	Significantly damaged	10 SF This material was sampled and quantified by EMS
Not Assigned[7]	Roof flashing	1960s addition roof(s) – Upper and lower roofs	2 - 3% Chrysotile	Non-Friable	Damaged	520 LF This material was sampled and quantified by EMS and was described as built-up roof flashings (under newer roofing).
Not Assigned[7]	Roof flashing	1978 Roof – Upper and lower roofs	10% Chrysotile	Non-Friable	Damaged	585 LF T This material was sampled and quantified by EMS and was described as built-up roof flashings (under newer roofing).

[9] # - indicates an HA number assigned to additional samples/materials that were not apparently surveyed by EMS

TABLE 2 – MATERIALS CONTAINING LESS THAN (<) 1% ASBESTOS by HOMOGENOUS AREA (HA)

In addition to the NESHAP-defined ACM, the following materials were identified as containing less than (≤) 1% asbestos. Although these materials are not regulated under NESHAP, these materials are subject to OSHA requirements when disturbed (see 29 CFR 1926.1101). See **Appendix D** for detailed analytical results and the sample sheets. Please refer to the exhibits in **Appendix B** for the general locations of the materials and for additional notes.

HA[10]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity [11]/ Notes
PC5[12]	Tar Paper – black, associated with the 9-inch (“) x 9" vinyl floor tile and mastic - red	1905 Building – SE corner of the basement room B-1; 1st floor room 4; 2nd floor room 2F kitchen	<0.25% Chrysotile (PC)[13]	Friable	Damaged	500 SF It is assumed that this material would be abated with the overlying ACM floor tile and mastic.
PC6	Mastic – black, associated with the 9" x 9" vinyl floor tile and mastic – beige with tan and brown spots	1905 Building – basement room B-1; 1961 building sub-level women’s and girl’s locker rooms, 1st hallways and stairwells to 2nd floor	<0.25% Chrysotile	Non-friable	Significantly Damaged	6,800 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos.
PC7	Mastic – brown/black, associated with 9" x 9" vinyl floor tile: gray with white specks	1905 Building – basement stair landing; 1st floor room 3, west side storage	<0.25% Chrysotile	Non-friable	Significantly Damaged	1,320 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos.
PC9	Mastic – black, associated with the 9" x 9" vinyl floor tile – white with brown streaks	1905 Building – 2nd floor, 2F room 8 / kitchen	<0.25% Chrysotile	Non-friable	Significantly Damaged	250 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos.
PC10	Sheet flooring – tan with black tar paper backing	1905 Building – 2nd floor apartment units 1, 6, 8	<0.25% Chrysotile	Non-friable	Damaged	960 SF
PC11	Sheet flooring – green with black tar paper backing	1905 Building – 2nd floor apartment unit 2; 3rd floor apartment units 20, 21, 23, 26, 27, 28	<0.25-0.9% Chrysotile	Non-friable	Damaged	1,170 SF
PC12	Sheet flooring - grey with black tar paper backing	1905 Building – 2nd floor apartment units 3, 4, 5, 7; 3rd floor apartment units 9, 12-19, 22, 24, 25	0.3 to 0.9% Chrysotile	Non-friable	Damaged	2,865 SF

[10] HA – indicates homogenous area
[11] Estimated quantities are based on a cursory field evaluation and actual quantities may vary significantly, especially if ACMs are present in hidden and/or inaccessible areas not evaluated as part of this survey. LF = linear feet; SF = square feet
[12] PC# – indicates an HA number assigned to a confirmatory sample for a material that was apparently indicated as ACM in the EMS Report. Note: these samples were analyzed with a 400-point county analytical method; non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted.
[13] PC – 400-Point Count analytical method; Note: non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted

HA[10]	Material Description	Material Location	Lab Results	Friability	Condition	Estimated Quantity [11]/ Notes
PC15	Mastic – black, associated with 9" x 9" vinyl floor tile – beige with streaks	1905 Building – basement room B-2	<0.25-0.8% Chrysotile	Non-friable	Significantly Damaged	4,700 SF The floor tile associated with this material has been determined to contain concentrations >1% asbestos. It is assumed that the yellow mastic is contaminated by the black layer.
	Mastic – yellow, associated with 9" x 9" vinyl floor tile – beige with streaks		<0.25% Chrysotile	Non-friable	Significantly Damaged	
03[14]	Yellow mastic associated with non-ACM grey cove base	1905 Building – 1st floor rooms 1, 2, 4, 5; 2nd floor rooms 7-9, and north, south, and east hallways, apartment units; 1961 building – south walkway to the 1978 building	<0.25% Chrysotile	Non-friable	Damaged	1,000 LF

[14] # - indicates an HA number assigned to additional samples/materials that were not apparently surveyed by EMS

TABLE 3 – INACCESSIBLE AREAS AND ASSUMED ASBESTOS-CONTAINING MATERIALS, NOT SAMPLED

Assumed materials are materials that are commonly determined to contain asbestos that could not be sampled during the survey. Reasons for not sampling can include lack of accessibility (hard pan ceilings, interlocked ceiling tile), need for significant demolition to access materials in an occupied space, or other sampling limitations. Assumed ACM should be monitored for damage and treated as asbestos containing material. These materials should be sampled before any renovation or demolition activities that may disturb them to determine their actual asbestos content.

Location/Area	Space	Material Description	Notes
1961 Building	Locker rooms (shower/restroom area)	Thermal systems pipe insulation (TSI) – mudded joint packings and pipe wrap	Limited access: significant demolition would be required to access the interior wall cavities and above hard panned ceilings. Demolition in these areas should proceed with caution as there are likely TSI runs embedded in these inaccessible cavities. In addition, the majority of the ceramic block walls in these areas contain LBP, which should also be managed accordingly during demolition activities.
1961 Building	Second floor, covered walkway across the alley	Possible insulation, caulks/sealants, flooring materials, etc.	The inside door to the walkway was sealed shut and was unable to be opened; City of Clinton personnel indicated that the space is only accessible from the building on the north side of the alley.
1961 Building	Tunnel areas	TSI, electrical systems, misc. equipment, etc.	The west side tunnel space that runs around the large pool had standing water ranging from approximately six inches to more than one foot of water. The water obscured the floor as well as potential pits, submerged pumps, or other equipment in these areas. Heavy deposition of friable and suspect friable asbestos materials in these areas were observed (primarily TSI materials) were observed throughout the tunnel areas.
1905 Building	Elevator/ Elevator Shaft	Elevator Brake shoes	The elevator in the 1905 building runs from the basement to the third floor; the mechanical room is located in the basement, but neither the interior of the elevator or the elevator shaft was able to be accessed during Terracon's site services. Assumed materials associated with this area should be removed by a permitted abatement contractor.
1905/1961/1978 Buildings	Electrical System	Electrical boards and other misc. electrical equipment	Various electrical panels and boards were observed in the building, Terracon removed several outer housings/coverings to look for asbestos-containing paneling, bus bars, etc. however not all of the materials were able to be removed or accessed.
1905 Building	Roof	Roofing materials, flashings, etc.	Terracon did not observe a specific access panel for the roof of the 1905 building. Due to the tapered construction of the upper portion of the 1905 building from the adjacent roof, ladder access was not possible. A potential access point may be obscured by drywall or other building materials from the inside. Limited observations from the adjoining roofs appear to indicate a membrane roof that appears similar to adjacent roofs; however, the underlying materials are currently unknown.
1905 Building and 1961 Building	Basement (1905) and 2F Mechanical room (1961)	Fire Doors (4 total observed, 2 in each of the listed locations)	Fire door materials were not able to be sampled and are assumed to contain asbestos; these materials should be removed by a permitted abatement company.

TABLE 4 – ASBESTOS SURVEY SAMPLE SUMMARY

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
NC[16]01	NC-CT3-01	2-foot (‘) x 2’ ceiling tile, white, with pinholes and slight texture	Ceiling tile	1905 Building - 1st floor Room 5 (multipurpose room)	North room, in the southeast corner	**4% Amosite (PLM)** **1.75% Amosite (PC)**
NC02	NC-CT1-02	1' x 1' Ceiling tile, green with brown fiber smooth texture	Ceiling tile	1905 Building - 2F – laundry room	North storage closet near the doorway	None Detected (ND)
NC03	NC-CT4-03	2' x 4' Ceiling tile, white, textured	Ceiling tile	1905 Building, 1st floor Room 1, 4, Room 5 (multipurpose room), 1F elevator room, men’s and women’s locker rooms, 2nd, and 3rd floor unit apartments	North room, southwest area near the entrance	ND
NC04	NC-FT1-04	9-inch (“) x 9” vinyl floor tile, beige	Floor tile	1905 Building, 2nd floor south restroom	South restroom, southeast corner, under sheet flooring and underlayment	**3% Chrysotile** **1.6% Chrysotile (PC)**
			Mastic			ND
NC05	NC-FC1-05	Vinyl floor sheeting - tan with black and gray specks	Vinyl sheet flooring	1905 Building, 2nd floor south restroom	South restroom, center area near the sinks	ND
NC06	NC-PL1-06	Plaster skim coat and drywall - tan with a slight texture	Plaster skim coat	1905 Building, 1st floor, room 4; 2nd and 3rd floor hallways, and unit apartments	South restroom, south wall center area, mid-way up the wall	ND
			Drywall			ND
NC07	NC-MS5-07	1" x 1" Ceramic tile - gray with light gray grout and adhesive	Ceramic	1905 Building, 3rd Floor, north restroom; 1978 building men’s locker room	North restroom, center of doorway threshold	ND
			Grout			ND
			Adhesive			ND
NC08	NC-WB1-08	Drywall and joint compound – white, slight texture	Drywall	1905 Building, basement room 8 elevator mechanical room, 1st floor, room 4, 3rd Floor unit apartments	Room 13, northeast wall center area, in the corner	ND
			Joint compound			ND
NC09	NC-WB3-09	Drywall compound – white slight texture	Drywall compound	1905 Building, 2nd and 3rd floor storage closets	Storage room on the east side the north open room	ND
NC10	NC-FC1-10	Vinyl sheet flooring and mastic – tan, smooth texture	Vinyl sheet flooring	1978 Building 3rd floor running track	Elevated running track, near the southeast entrance to track	ND
			Mastic			ND
NC11	NC-FC5-11	Felt paper underlayment – black smooth texture	Felt paper	1961 Building, 2nd floor gymnasium	Gymnasium floor, northeast corner of gym	ND
NC12	NC-MS5-12	1" x 1" Ceramic tile and grout – beige with gray grout	Ceramic	1961 Building, large pool area	Center swimming pool, on the northwest corner of the pool	ND
			Grout			ND
NC13	NC-HP2-13	Plaster (hard finish) on wood lath – white, painted blue	Plaster	1905 Building, 1st floor east and south entrances	Main lobby area, center of wall by the southeast stair entrance	ND
NC14	NC-FT2-14	12" x 12" vinyl floor tile and mastic– white, smooth	Floor tile	1905 Building, 1st floor main lobby	Main lobby area, on the north side of the center counter on the floor	ND
			Mastic			ND
NC 15	NC-CA5-15	Caulk (panel adhesive) – beige, rough texture	Caulk	1905 Building, 1st floor stairwells behind Masonite wall boards	East stairwell landing above the handrail, behind the stair wall paneling	ND
NC16	NC-FT5-16	9” x 9” vinyl floor tile, light tan	Floor tile	1905 Building, 1st floor west side of lobby, beneath carpet and underlayment	Main lobby area, underneath a layer of floor tile and wood underlayment	**5% Chrysotile** **3.6% Chrysotile (PC)**
			Mastic			ND
NC17	NC-FC1-17	Sheet flooring and mastic – red with black and tan specks	Sheet flooring	1905 Building, 1st floor room 6 kitchen area	North room kitchenette area, 2' inside the door at east entrance	ND
			Mastic			ND

[15] HA – indicates homogenous area
[16] NC# – Indicates an HA number assigned to materials/samples that were apparently deemed negative in the EMS Survey and which were subsequently sampled by Terracon and confirmed as ACM through point count analysis.

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
NC18	NC-CT5-18	2' x 2' Ceiling tile – white faced fiberglass panels	Ceiling tile	1905 Building, 1st floor room 6 kitchen area	North room kitchenette area, east entrance above the doorway	ND
NC19	NC-CT4-19	2' x 4' Ceiling tile – white, slightly textured	Ceiling tile	1905 Building, 1st floor, east and south entrances	Southcentral room by main lobby, above the doorway entrance	ND
NC20	NC-FC1-20	Vinyl sheet flooring and mastic - tan	Sheet flooring	1961 Building basement, women's locker room	Central women's locker room, under sink, next to shower room	ND
			Mastic			ND
NC21	NC-FC4-21	Vinyl stair treads and mastic – tan with diamond pattern	Stair tread	1961 Building basement, west stairs to women's locker room	Upper locker room entrance, stairwell down to locker rooms	ND
			mastic			ND
NC22	NC-CT5-22	2' x 4' Ceiling tile – brown, ½" fibrous with tan face	Ceiling tile	1905 Building, 1st floor, small storage area, west side	Basement storage room / crawlspace	ND
NC23	NC-WB4-23	Spray-on popcorn coating – white, rough texture	Spray-on coating	1905 Building 1st floor - 1F elevator room; basement room B-2	Basement area, southwest corner in elevator lobby on the ceiling	ND
NC24	NC-CA3-24	Caulk – gray smooth texture	Caulk	1961 Building, girl's locker room, south hallway, east windows of the large pool room	Main locker room area, by the gym (tilt-up conc.)	ND
NC25	NC-CA3-25	Caulk – white, brittle, rough texture	Caulk	1978 Building 3rd floor running track	Track area, on east wall, brick wall seams (brick joints)	ND
PC[17]1	PC1-PI1-01	Thermal Systems Insulation (TSI) Mag pipe insulation, white with canvas wrap	Insulation	1905 Building – basement room B-5 and B-9 boiler room	Basement landing, bottom of east stairwell, overhead	**12.75% Chrysotile**
	PC1-PI1-02		Insulation		Basement area, north side of small office next to east stairs	Positive Stop (not analyzed)
			Wrap			ND
	PC1-PI1-03		Insulation		Basement area, north side of small office next to east stairs	Positive Stop (not analyzed)
			Wrap			ND
PC2	PC2-MJ3-04	TSI mudded joint fitting with canvas wrap	Mudded joint	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, south main room above the drop ceiling against north wall	**7.98% Chrysotile**
	PC2-MJ3-05		Mudded joint		Basement area, women's locker room back of room above the drop ceiling	Positive Stop (not analyzed)
	PC2-MJ3-06		Mudded joint		2nd Floor mechanical room above the ductwork	Positive Stop (not analyzed)
PC3	PC3-MJ4-07	TSI mudded joint fitting with canvas wrap, associated with fiberglass piping	Fitting	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, south room along north wall	**12.50% Chrysotile**
			Wrap			**1.50% Chrysotile**
	PC3-MJ4-08		Fitting		Gymnasium, southeast corner below elevated heater	Positive Stop (not analyzed)
			Wrap			
	PC3-MJ4-09		fitting		Basement area, near women's locker room entrance	Positive Stop (not analyzed)
PC4	PC4-PI3-10	TSI layered paper pipe insulation - with canvas wrap (hard-wrap)	Piping	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy's restroom pipe chase; women's and girl's locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, near bottom of east stairwell	**8.00% Chrysotile**
	PC4-PI3-11		Piping		Basement area, women's locker room back	Positive Stop (not analyzed)
	PC4-PI3-12		Piping		2nd Floor mechanical room above the ductwork	Positive Stop (not analyzed)
PC5	PC5-FT1-13	9-inch (") x 9" Vinyl floor tile (VFT), red and black mastic	Floor tile	1905 Building – SE corner of the basement room B-1; 1st floor room 4; 2nd floor room 2F kitchen	Basement area, southeast room along near center of room	**5.6% Chrysotile**
			Mastic, black			**3.3% Chrysotile**
	PC5-FT1-14		Floor tile		1st Floor, southeast room near entrance	Positive Stop (not analyzed)
			Mastic, black			
	PC5-FT1-15		Floor tile		2nd Floor kitchen area near entrance	Positive Stop

[17] PC# – indicates an HA number assigned to a confirmatory sample for a material that was apparently indicated as ACM in the EMS Report. Note: these samples were analyzed with a 400-point county analytical method; non-organically bound materials were also prepared with a with gravimetric-reduction preparation technique, as warranted.

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
			Mastic, black			(not analyzed)
			Tar paper			<0.25% Chrysotile
PC6	PC6-FT1-16	9” x 9” VFT - beige with tan & brown spots and black mastic	Floor tile	1905 Building – basement room B-1; 1961 building sub-level women’s and girl’s locker rooms, 1st hallways and stairwells to 2nd floor	Basement area, bottom of east stairwell	**1.2% Chrysotile**
			Mastic, black			<0.25% Chrysotile
	PC6-FT1-17		Floor tile		1st Floor, southeast room near entrance	Positive Stop (not analyzed)
			Mastic			Insufficient Material
			Mastic, black			<0.25% Chrysotile
	PC6-FT1-16		Floor tile		1st Floor, southeast room near entrance	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
PC7	PC7-FT1-19	9” x 9” VFT - (multiple colors) grey with white specks and black mastic	Floor tile	1905 Building – basement stair landing; 1st room 3, west side storage	1st Floor, storage room near counter by entrance	**1.7% Chrysotile**
			Mastic, black			<0.25% Chrysotile
	PC7-FT1-20		Floor tile		1st Floor, storage room near counter along north wall	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
	PC7-FT1-21		Floor tile		1st Floor, storage room near counter back of room by south wall	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
PC8	PC8-FT1-22	9” x 9” VFT - beige with brown & white streaks and black mastic	Floor tile	1905 Building 2nd floor, 2F north, south, and east hallways, 2F restroom, 2F rooms 7-9 3rd floor	2nd Floor, outside north restrooms	**2.8% Chrysotile**
			Mastic, black			**1.1% Chrysotile**
	PC8-FT1-23		Floor tile		2nd Floor, main room southwest corner	Positive Stop (not analyzed)
			Mastic, black			
	PC8-FT1-24		Floor tile		3rd Floor, common room along south area	Positive Stop (not analyzed)
			Mastic, black			
PC9	PC9-FT1-25	9” x 9” VFT - white with brown streaks	Floor tile	1905 Building –2nd floor, room 2F kitchen	2nd Floor, near north entrance of kitchen	**5.2% Chrysotile**
			Mastic, black			<0.25% Chrysotile
	PC9-FT1-26		Floor tile		2nd Floor, center of building, old kitchen area	Positive Stop (not analyzed)
			Mastic, black			Insufficient Material
	PC9-FT1-27		Floor tile		2nd Floor, near west entrance of kitchen	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
PC10	PC10-FC1-28	Sheet flooring - tan with black tar paper backing	Floor sheeting	1905 Building –2nd and 3rd floor apartment units	2nd Floor, room 1 under carpet and sub-floor	<0.25% Chrysotile
	PC10-FC1-29		Floor sheeting		3rd Floor, room 8 under carpet and sub-floor	<0.25% Chrysotile
	PC10-FC1-30		Floor sheeting		3rd Floor, room 11 under carpet and sub-floor	<0.25% Chrysotile
PC11	PC11-FC1-31	Sheet flooring - green with black tar paper backing	Floor sheeting	1905 Building –2nd and 3rd floor apartment units	2nd Floor, room 2 under carpet and sub-floor	<0.25% Chrysotile
	PC11-FC1-32		Floor sheeting		3rd Floor, room 20 under carpet and sub-floor	0.4% Chrysotile
	PC11-FC1-33		Floor sheeting		3rd Floor, room 23 under carpet and sub-floor	0.5% Chrysotile
PC12	PC12-FC1-34	Sheet flooring - grey with black tar paper backing	Floor sheeting	1905 Building –2nd and 3rd floor apartment units	2nd Floor, room 3 under carpet and sub-floor	0.8% Chrysotile
	PC12-FC1-35		Floor sheeting		3rd Floor, room 9 under carpet and sub-floor	0.9% Chrysotile
	PC12-FC1-36		Floor sheeting		3rd Floor, room 19 under carpet and sub-floor	0.3% Chrysotile
PC13	PC13-FT2-37	12” x 12” vinyl floor tile - white with brown streaks and black mastic	Floor tile	1961 Building – South walkway to 1978 building, southeast lobby, west locker rooms, hallways, stairwells; 2nd floor hallways, west and east gym	1st Floor, southeast side of lobby/hallway	**3.4% Chrysotile**
			Mastic, black			**2.6% Chrysotile**
	PC13-FT2-38		Floor tile		2nd Floor, outside handball court	Positive Stop (not analyzed)
			Mastic, black			

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
	PC13-FT2-39		Floor tile	offices, 3rd floor hallways and stairwell, custodial closet	2nd Floor, east hallway by gymnasium	Positive Stop (not analyzed)
			Mastic, black			
PC14	PC14-FT1-40	9” x 9” vinyl floor tile, brown and black mastic	Floor tile	1905 Building – basement room B-1 SE corner, room B-2; 2nd floor – 2F kitchen	Basement area, southeast room along near center of room	**12.2% Chrysotile**
			Mastic, black			**3.5% Chrysotile**
	PC14-FT1-41		Floor tile		Basement area, southeast room near entrance	Positive Stop (not analyzed)
			Mastic, black			
	PC14-FT1-42		Floor tile		Basement area, southeast room along southeast wall	Positive Stop (not analyzed)
			Mastic, black			
PC15	PC15-FT1-43	9” x 9” vinyl floor tile - beige with streaks and mixed mastic	Floor tile	1905 Building – basement room B-2	Basement area, southwest room near entrance	**5.8% Chrysotile**
			Mastic, black			0.3% Chrysotile
			Mastic, yellow			<0.25% Chrysotile
	PC15-FT1-44		Floor tile		Basement area, southwest room near center	Positive Stop (not analyzed)
			Mastic, black			<0.25% Chrysotile
			Mastic, yellow			<0.25% Chrysotile
	PC15-FT1-45		Floor tile		Basement area, southwest room near north wall	Positive Stop (not analyzed)
			Mastic, black			0.8% Chrysotile
			Mastic 2, yellow			<0.25% Chrysotile
1[18]	1-CA3-01	Caulk – black, rough texture	Adhesive	1905 Building - 2nd floor, 2F room 7, behind the wood paneling on walls	North room on the northwest side, center mid-wall, behind paneling	**4% Chrysotile (PLM) 3.8% Chrysotile (PC)**
	1-CA3-02		Adhesive		North room, north wall center of room	**4% Chrysotile (PLM) 4.6% Chrysotile (PC)**
	1-CA3-03		Adhesive		North room, south wall, southeast corner, mid-wall	**3% Chrysotile (PLM) 4.3% Chrysotile (PC)**
2	2-MG6-04	Glue pucks associated with 1' x 1' ceiling tile – light brown, smooth	Adhesive	1905 Building - east stairwell in the ceiling	East stairwell, between 1st and 2nd floor, above the stairs	ND
	2-MG6-05		Adhesive		East stairwell, between 1st and 2nd floor, above the stairs	ND
	2-MG6-06		Adhesive		East stairwell, between 1st and 2nd floor, above the stairs	ND
3	3-FC3-07	Cove base and mastic – gray with yellow glue and mastic	Cove base	1905 Building – 1st floor rooms 1, 2, 4, 5; 2nd floor rooms 7-9, and north, south, and east hallways, apartment units; 1961 building – south walkway to the 1978 building	Main lobby area on the southeast wall, near the entrance stairs	ND
			Glue			ND
	3- FC3-08		Cove base		Main hallway on the west wall, near restroom	ND
			Glue			<1% Chrysotile (PLM) <0.25% Chrysotile (PC)
	3- FC3-09		Cove base		Main front hallway on the west end, near the stairs to 1905 building	ND
			Glue			ND
4	4-MA1-10	2" x 8" Brick and mortar – tan with gray mortar	Brick	1905 Building – perimeter and interior walls in the basement, 1st, 2nd, and 3rd floors; 1961 building room 9 and 10	Basement area, near bottom of east stairwell, above the north room entrance	ND
			Mortar			ND
	4-MA1-11		Brick		North room on the east wall, in duct chase about mid-wall	ND
			Mortar			ND
	4-MA1-12		Brick		Main front hallway on the east side, above the “1961” granite marker	ND
			Mortar			ND
5	5-CA2-13	Caulk – gray rough exterior, smooth inner material	Caulk		Main front lobby area, southwest door frame (painted gray)	ND

[18] # - indicates an HA number assigned to additional samples/materials that were not apparently surveyed by EMS

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
	5-CA2-14		Caulk	1905 Building – 1st floor, interior door frames 1961 building – main front hallway, and locker room windows; 1978 building – 1st floor windows and door frames	Main front hallway, east door frame to the lower locker rooms	ND
	5-CA2-15		Caulk		Main front hallway, west door frame to the 1978 building	ND
6	6-MA1-16	2” x 8” Ceramic-face brick and mortar – aqua green and black, smooth texture	Brick	1961 building – South hallway to the 1978 building	Main front hallway, by the east stairwell where green meets black brick	ND
			Mortar			ND
	6-MA1-17		Brick		Main front hallway, lower section where black brick meets granite slab on east end	ND
			Mortar			ND
	6-MA1-18		Brick		Main front hallway, west side lower end of green brick, 10’ from doors	ND
			Mortar			ND
7	7-FP1-19	Spray-on Fireproofing – white thick popcorn texture	Spray-on	1905 Building, basement room B-6, north end of building	Basement area, north room, west corner by heater	ND
	7-FP1-20		Spray-on		Basement area, north room center, by electrical junction box	ND
	7-FP1-21		Spray-on		Basement area, north room by the entrance, east side of door	ND
	7-FP1-82		Spray-on		North room (B-6), east wall by mech. Room, by 2nd steel column	ND
	7-FP1-83		Spray-on		North room (B-6), east wall, NE corner by end of duct work	ND
	7-FP1-84		Spray-on		North room (B-6), south wall, SW corner of B-6 by speaker	ND
8	8-PI4-22	Fiberglass pipe insulation and mastic – yellow fiberglass with white paper face and mastic	Insulation	1905 and 1961 buildings – basement rooms B-1 through B-11; 1st rooms 3, 6, and boy’s restroom pipe chase; women’s and girl’s locker rooms; 2nd and 3rd between floors and walls to restrooms	Basement area, north room, west corner by heater	ND
			Mastic			ND
	8-PI4-23		Insulation		Basement area, north room by the entrance, east side of door	ND
			Mastic			ND
	8-PI4-24		Insulation		1st Floor boy’s restroom, pipe chase	ND
			Mastic			ND
9	9-MA2-25	8” x 16” concrete masonry unit (CMU) block and mortar – gray with light gray mortar	CMU block	1905 Building – basement interior walls; 1961 building, sub-level locker rooms, mezzanine mechanical room, interior and exterior wals1978 building – 1st, 2nd, and 3rd floor interior perimeter walls, locker rooms, hallways, and stairwells	Basement area, north mechanical room, right side of door on corner	ND
			Mortar			ND
	9-MA2-26		CMU block		1st Floor hallway entrance to the lower locker rooms, by main front hallway	ND
			Mortar			ND
	9-MA2-27		CMU block		Main lobby area, next to the front closet area, mid-wall	ND
			Mortar			ND
10	10-WP6-28	Electrical wiring – single-strand, black woven sheath run through ceramic insulators	Sheath	1905 Building – basement, 1st,2nd, and 3rd floors, concealed in walls, chases, floors, and rafters	2nd Floor, above the main hallway on south side	ND
			Insulator			ND
	10-WP6-29		Sheath		3rd Floor, above the ceiling tile in the main common area, south side	ND
			Insulator			ND
	10-WP6-30		Sheath		3rd Floor, above the ceiling tile in the main common area, north side	ND
			Insulator			ND
11	11-WP6-31	Electrical wiring – double-strand, black woven sheath with silver and gray coating	Sheath	1905 Building – basement, 1st,2nd, and 3rd floors, concealed in walls, chases, floors, and rafters	2nd Floor, room 2 under carpet and sub-floor	ND
			Insulator			ND
			Insulator 2			ND
			Insulator			ND
	11-WP6-32		Sheath		3rd Floor, room 20 under carpet and sub-floor	ND
			Insulator			ND
			Insulator 2			ND
			Insulator			ND
	11-WP6-33		Sheath		3rd Floor, room 23 under carpet and sub-floor	ND
			Insulator			ND

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
			Insulator 2			ND
			Insulator			ND
12	12-MG7-34	Carpet adhesive – yellow, rough texture, sticky	Adhesive	1905 Building – basement, 1st 2nd, and 3rd floors; 1961 building, sub-level locker rooms, 2nd floor offices; 1978 building, locker rooms and offices	Southeast entrance area, under carpet squares on marble circle design floor	ND
	12-MG7-35		Adhesive		Main lobby area, southeast stairwell kickboards	ND
	12-MG7-36		Adhesive		Main lobby area, on flooring next to southwest elevator entrance	ND
13	13-MA2-37	6” x 12” CMU and mortar – glaze-faced block, with light gray mortar	CMU	1961 Building – sub-level locker women’s and girl’s rooms, offices, large pool room, 2F gym; 1978 building locker women’s and girl’s rooms, offices, small pool room	Lower-level locker room lobby, between men’s and women’s locker rooms	ND
			Mortar			ND
	13-MA2-38		CMU		Women’s locker room by west wall, lower wall, center	ND
			Mortar			ND
	13-MA2-39		CMU		Men’s locker room, south wall before pool entrance	ND
			Mortar			ND
14	14-FC3-40	Cove base and mastic – black with brown and yellow mastic	Cove base	1961 Building – sub-level locker rooms hallways, and stairwells; 1978 building main lobby and west hallway	Lower locker room entrance in main front hallway, at top of stair landing	ND
			Mastic			ND
	14-FC3-41		Cove base		Main lobby area, down the west hallway	ND
			Mastic			ND
	14-FC3-42		Cove base		Main lobby area, on south wall near the east doorway	ND
			Mastic			ND
15	15-CA1-43	Caulk – gray, weathered, rough texture	Caulk	1905 Building – basement, 1st, 2nd, and 3rd floor exterior window frames, 1961 building – exterior vents and wall penetrations	Room 18, exterior window caulk around window frame	**6% Chrysotile (PLM)** <0.25% Chrysotile (PC)
	15-CA1-44		Caulk		Southeast room, south wall, exterior window caulk around window frame	ND
	15-CA1-45		Caulk		Exterior north wall, center, around exhaust vent	**5% Chrysotile (PLM) 1.9% Chrysotile (PC)**
16	16-RF6-46	Built-up roof – black tar paper w/felt paper, yellow foam insulation, & white gypsum board	Tar paper	1905, 1961, and 1978 Building roofs	1905 Building, room 2 – southeast end by east wall, between the two SE windows	ND
			Foam			ND
			Insulation			ND
			Rubber			ND
	16-RF6-47		Tar paper		1905 Building, lower roof 2 – south end, SE side between exhaust vent and wall	ND
			Foam			ND
			Insulation			ND
	16-RF6-48		Tar paper		1961 Building, room 3 – east side central area, next to the access wall-ladder	ND
			Foam			ND
			Insulation			ND
			Gypsum			ND
			Backing			ND
17	17-WP1-49	Vibration cloth – white, woven canvas type material	Vibration cloth	1905 Building - basement mechanical room, pool mechanical room. 1961 Building – mezzanine mechanical room	1905 basement mechanical room (room B-7), south elevated unit	**20% Chrysotile**
	17-WP1-50		Vibration cloth		1905 Building pool mechanical room, central elevated duct unit	**25% Chrysotile**
	17-WP1-51		Vibration cloth		2nd Floor mechanical room, south air handler unit, south wall central area	**35% Chrysotile**
18	18-MA5-52	3' x 5' Marble tile slabs and associated thin set	Tile	1905 Building 1st floor south entryway and east entryway	1905 Building 1st floor south entryway, top of stair landing, east side top of slab	ND
			Thin set			ND
	18-MA5-53		Tile		1905 Building 1st floor east entryway, lower landing, south side of door, centered	ND
			Thin set			ND
	18-MA5-54		Tile		1905 Building 1st floor east entryway, lower landing, south side of door, bottom	ND
			Thin set			ND

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
19	19-MA5-55	5" x 12" Ceramic block and grout – off-white with brown specks	Ceramic block	1905 Building, sub-level women's and young girl's locker rooms	1905 Sub-level women's locker room, NW side next to steam room, by electrical box	ND
			Grout			ND
	19-MA5-56		Ceramic block		1905 Sub-level women's locker room, NW shower room by south drain area	ND
			Grout			ND
	19-MA5-57		Ceramic block		1905 Sub-level women's locker room, North-central area above the west sink	ND
			Grout			ND
20	20-MA5-58	5" x 12" Ceramic block and grout – tan w/gray grout	Ceramic block	1961 Building – sub-level locker women's and girl's rooms, offices, large pool room, 2F gym; 1978 building locker women's and girl's rooms, offices, small pool room	1905 Sub-level women's locker room, south end by central entrance, by sinks	ND
			Grout			ND
	20-MA5-59		Ceramic block		1961 Building, large pool room, NW corner by entrance to small pool room	ND
			Grout			ND
	20-MA5-60		Ceramic block		1961 Building, 2nd floor gym, SW corner doorway, at upper right door jamb	ND
			Grout			ND
21	21-MA3-61	5"x 12" Quarry tile and associated thin set, and grout – dark brown w/gray grout	Tile	1978 Building, men's shower room, west side entrance	Men's locker room, NE corner of men's shower room at the north end of drain	ND
			Thin set			ND
			Grout			ND
	21-MA3-62		Tile		Men's locker room, NW corner of men's shower room exit to pool, by the drain	ND
			Thin set			ND
			Grout			ND
	21-MA3-63		Tile		Men's locker room, SE corner of the shower room, south end of the drain	ND
			Thin set			ND
			Grout			ND
22	22-CP1-64	2' x 2' Cement board – gray smooth and peg board style panels	Cement board	1905 building, basement, room B-4; 1961 Building, large pool room ceiling; 1978 building small pool room	1961 Building, large pool room, NW corner of ceiling near entrance to small pool room	**18% Chrysotile**
	22-CP1-65		Cement board		1961 Building, large pool room, NE corner of ceiling near entry to pool storage room	**20% Chrysotile**
	22-CP1-66		Cement board		1961 Building, large pool room, SE corner of ceiling near entry to girl's locker room	**25% Chrysotile**
23	23-WP1-67	Vibration cloth – green, woven canvas type material	Vibration cloth	1978 Building, 3rd floor mechanical room	3rd Floor mechanical room, west side of room on exhaust fan #3, east side	ND
	23-WP1-68		Vibration cloth		3rd Floor mechanical room, east side by door, on air handler unit for handball courts	ND
	23-WP1-69		Vibration cloth		3rd Floor mechanical room, south-central wall on small, elevated tank	ND
24	24-MA5-70	Marble tile and grout – white round tile with black grout	Tile	1905 Building, basement elevator room, and 1st floor lobby room 1	1905 Building 1st floor, room 1-1, lobby area south entry at top south stair landing, center area	ND
			Grout			ND
	24-MA5-71		Tile		1905 Building 1st floor, room 1-1, east stairs lower landing, north end at top of steps	ND
			Grout			ND
	24-MA5-72		Tile		1905 Building basement, elevator room (B-9) at doorway threshold, centered	ND
			Grout			ND
25	25-MA5-73	Concrete skim coat – gray rough texture	Skim coat	1905 Building, exterior foundation	1905 Building, exterior north wall, under the red fire escape under the yellow brick	ND
			Texture			ND
	25-MA5-74		Skim coat		1905 Building, exterior north wall, east corner by exposed limestone block	Layer not present
			Texture			ND
	25-MA5-75		Skim coat		1905 Building, exterior east wall, at NE corner of building by exposed limestone block	ND
			Texture			ND
26	26-SC2-76	Tar sealant – black, smooth texture	Sealant	1978 Building, exterior walls	1978 building exterior, south wall center, where sidewalk meets concrete wall	ND
	26-SC2-77		Sealant		1978 building exterior, south wall SW corner, where sidewalk meets concrete wall	ND

HA[15]	Sample #	Material Description	Layer	Material Location	Sample Location	Lab Results
	26-SC2-78		Sealant		1978 building exterior, west wall center, where sidewalk meets concrete wall	ND
27	27-WP1-79	Vibration cloth – red woven canvas type material	Vibration cloth	1961 Building, mezzanine mechanical room	1961 Building, 2nd floor mechanical room, SW corner of room on upper air handler unit	ND
	27-WP1-80		Vibration cloth		1961 Building, 2nd floor mechanical room, NW corner of room on copper fan duct	ND
	27-WP1-81		Vibration cloth		1961 Building, 2nd floor mechanical room, NW corner on east side, on gray duct by wall	ND

TABLE 5 - LBP XRF SURVEY SUMMARY

Lead-based paints (≥1.0 mg/cm^2) are indicated in **bold**. A *negative* classification indicates that lead is not present on the testing combination at or above the HUD/EPA standard. The walls were sampled using the format of the wall immediately to the left in each room or area as "A" wall then going clockwise around the room for walls "B", "C", and "D". Note that some rooms have more than one door/access point, and so the reference point starts where the inspector entered the room.

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm^2)	Friction or Impact Surface (Y or N)	Notes
Pre-call 1	NA	NA	NA	NA	1.0	NA	NA
Pre-Cal 2	NA	NA	NA	NA	1.0	NA	NA
Pre-Cal 3	NA	NA	NA	NA	1.0	NA	NA
Blank-Cal	NA	NA	NA	NA	0.1	NA	NA
1	**Plaster**	**Wall**	**White**	**1905 building main entrance, left side wall above the marble**	**1.7**	**N**	
2	Wood	Wall Trim	Grey	Main entrance, left side wall above the marble	0.4	N	
3	Wood	Ceiling Trim	Grey	Main entrance above the door	0.4	N	
4	**Plaster**	**Ceiling**	**White**	**1905 building, main entrance above the door**	**1.6**	**N**	
5	**Drywall**	**Wall**	**Blue**	**1905 building, main lobby, A wall, just north of partially open chase**	**1.1**	**N**	
6	Drywall	Wall	Blue	Main lobby, A wall, approximate center of wall	0.8	N	
7	Drywall	Wall	Blue	Main lobby, A wall, north corner near B wall	0.2	N	
8	Drywall	Wall	White	Main lobby, B wall, far northwest corner of room near entrance to girl's locker room	0.3	N	
9	Metal	Breaker box	Grey	Main lobby, B wall east of girl's locker room	0.2	N	
10	Drywall	Wall	Grey	Room east of main lobby, A wall	0.3	N	
11	Wood	Support pole	Grey	Room east of main lobby, south support pole	0.2	N	
12	Wood	Windowsill	White	Room east of main lobby, C wall	0.3	N	
13	Wood	Window trim	White	Room east of main lobby, C wall (windows between room and main lobby)	0.2	N	
14	Drywall	Wall	Green	Closet wall inside room north of main lobby	0.1	N	
15	Wood	Wall Paneling	Tan	B wall of room north of main lobby	0.9	N	
16	Wood	Wall Paneling	Tan	D wall of room north of main lobby	0.3	N	
17	**Plaster**	**Wall**	**White**	**1905 building, short hallway wall leading to lower-level girls locker room from main lobby**	**1.4**	**N**	
18	Metal	Door	Light grey	Hallway near steps to girl's locker room	0.0	N	
19	Metal	Door frame	Light grey	Hallway near steps to girl's locker room	0.1	N	
20	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block on B wall, entrance area of girl's locker room**	**1.4**	**N**	
21	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block on C wall, entrance area of girl's locker room**	**1.3**	**N**	
22	Metal	Locker frame	Grey blue	Locker frame in girl's locker room	0.4	N	Heavy peeling/flaking
23	Metal	Locker door	Grey blue	Locker door in girl's locker room	0.3	N	Heavy peeling/flaking
24	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block in shower area of girl's locker room**	**1.5**	**N**	
25	Metal	Door	Light grey	Lower entrance door to girl's locker room	0.1	N	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm²)	Friction or Impact Surface (Y or N)	Notes
26	Metal	Door frame	Light grey	Lower entrance door to girl's locker room	0.1	N	
27	**Ceramic block**	**Wall**	**Glazing**	**1961 building, glazed block in second shower area of girl's locker room**	**1.3**	**N**	
28	Wood	Window frame	Grey	East side lower entrance of main building	0.2	N	
29	Metal	Door	Grey	East side lower entrance of main building (interior)	0.1	N	
30	Metal	Door Frame	Grey	East side lower entrance of main building (interior)	0.1	Y	
31	Wood	Wall trim	Grey	Trim above marble at lower entrance	0.3	N	
32	Metal	Radiator	White	East side lower entrance of main building	0.2	N	
33	Wood	Wall paneling	Beige	East side lower entrance of main building, above marble	0.3	N	
34	Brick	Wall	White	Main building basement area, north room, A wall	0.1	N	
35	Brick	Wall	Red	Main building basement area, north room, A wall	0.2	N	
36	Brick	Wall	Yellow	Main building basement area, north room, A wall	0.1	N	
37	Brick	Wall	White	Main building basement area, north room, C wall	0.1	N	
38	Metal	Support pole	White	Main building basement area, north room, northwest pole	0.4	N	
39	Concrete masonry unit (CMU) block	Wall	White	Main building basement area, main room, A wall	0.2	N	
40	Wood	Support pole	White	Main building basement area, main room, northwest pole	0.2	N	
41	CMU block	Wall	Blue	Main building basement area, main room, A wall	0.1	N	
42	Brick	Wall	White	Main building basement area, main room, C wall	0.2	N	
43	Brick	Wall	Blue	Main building basement area, main room, C wall	0.1	N	
44	Metal	Door	Blue	Main building basement area, main room, C wall	0.1	N	
45	Metal	Door frame	Blue	Main building basement area, main room, C wall	0.1	N	
46	Wood	Wall paneling	Beige	Main building, stairwell from main floor to 2F	0.2	N	
47	Wood	Door	NA	Main building, door to 2F	0.0	N	
48	Wood	Door frame	NA	Main building, door to 2F	0.0	N	
49	Wood	Stair rail	Black	Main building, landing between 1F and 2F	0.2	N	
50	Wood	Stair bannister	White	Main building, landing between 1F and 2F	0.1	N	
51	Drywall	Wall	White	North room/area of 2F, hallway	0.2	N	
52	Metal	Door	White	Door to north room area, main building, 2F	0.1	N	
53	Metal	Door frame	White	Door to north room area, main building, 2F	0.1	N	
54	Plaster	Wall	White	North room/area of 2F, west hallway	0.2	N	
55	**Metal**	**Support pole**	**White**	**1905 Building, 2F, multipurpose room, southwest pole**	**1.9**	**N**	
56	**Metal**	**Support pole**	**White**	**1905 Building, 2F, multipurpose room, northeast pole**	**2.2**	**N**	
57	Wood	Wall paneling	White	Small "gym" area, main building 2F, B wall	0.2	N	
58	Wood	Wall paneling	NA	Main building, 2F, small room adjoined to small gym	0.0	N	
59	Drywall	Wall	Light blue	Main building, 2F restroom	0.2	N	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm²)	Friction or Impact Surface (Y or N)	Notes
60	Drywall	Wall	White	Main building, 2F, former living area, approximate center of hallway	0.2	N	
61	Drywall	Wall	White	Main building, 2F, former living area, hallway entrance	0.1	N	
62	Drywall	Wall	White	Main building, 2F, Unit 1 A wall	0.1	N	
63	Drywall	Wall	White	Main building, 2F, Unit 1 A wall	0.2	N	
64	Wood	Door	NA	Main building, 2F, Unit 1	0.0	N	
65	Wood	Door	NA	Main building, 2F, Unit 1	0.0	N	
66	Drywall	Wall	White	Main building, 2F, Unit 3 B wall	0.2	N	
67	Drywall	Wall	White	Main building, 2F, Unit 3 D wall	0.2	N	
68	Wood	Door	NA	Main building, 2F, Unit 3	0.0	N	
69	Wood	Door	NA	Main building, 2F, Unit 3	0.1	N	
70	Drywall	Wall	White	Main building, 2F, Unit 5 A wall	0.2	N	
71	Drywall	Wall	White	Main building, 2F, Unit 5 C wall	0.1	N	
72	Wood	Door	NA	Main building, 2F, Unit 5	0.0	N	
Mid-day Cal 1	NA	NA	NA	NA	1.0	NA	
Mid-day Cal 2	NA	NA	NA	NA	1.0	NA	
Mid-day Cal 3	NA	NA	NA	NA	1.0	NA	
Mid-day negative Cal	NA	NA	NA	NA	0.1	NA	
73	Drywall	Wall	White	Main building, 2F, A wall of restroom adjacent to Unit 2	0.2	N	
74	Ceramic block (1")	Wall	NA	Main building, 2F, A wall of restroom adjacent to Unit 2	0.0	N	
75	Wood	Stair rail	Black	Main building, stairwell to 3F	0.1	N	
76	Wood	Stair bannister	White	Main building, stairwell to 3F	0.1	N	
77	Wood	Door	NA	Main building, entrance to 3F	0.0	N	
78	Wood	Door frame	NA	Main building, entrance to 3F	0.0	N	
79	Drywall	Wall	White	A wall of main open room/area, 3F	0.2	N	
80	Drywall	Wall	White	C wall of main open room/area, 3F	0.1	N	
81	Drywall	Ceiling	White	Approximate center of main open room/area, 3F	0.1	N	
82	Drywall	Wall	White	Main building, 3F, Unit 8 B wall	0.2	N	
83	Drywall	Wall	White	Main building, 3F, Unit 8 D wall	0.2	N	
84	Wood	Door	White	Main building, 3F, Unit 8	0.1	N	
85	Wood	Door	White	Main building, 3F, Unit 8	0.1	N	
86	Drywall	Wall	White	3F hallway, approximate center	0.2	N	
87	Drywall	Wall	White	3F hallway, next to Unit 8	0.1	N	
88	Drywall	Wall	White	3F restroom, A wall	0.1	N	
89	Ceramic tile	Wall	Grey (glazing)	3F restroom, C wall	0.0	N	
90	Wood	Door	White	3F restroom	0.1	N	
91	Wood	Door frame	White	3F restroom	0.2	N	
92	Brick	Wall	Teal Blue	1961 building, hallway area near pools and pool locker rooms, east end near main building	0.0	N	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm²)	Friction or Impact Surface (Y or N)	Notes
93	Brick	Wall	Teal Blue	1961 building, hallway area near pools and pool locker rooms, west end near pools	0.1	N	
94	Concrete	Wall	White	1961 building, hallway area near pools and pool locker rooms, west end near pools	0.2	N	
95	CMU	Wall	White	1961 building, open area before the locker rooms, C wall	0.3	N	
96	Block	Wall	Glazing	1961 building, open area before the locker rooms, B wall	0.0	N	
97	**Ceramic block**	**Wall**	**Glazing**	**Small pool area, A wall, glazed block**	**1.5**	**N**	
98	**Ceramic block**	**Wall**	**Glazing**	**Small pool area, D wall glazed block**	**1.8**	**N**	
99	**Ceramic block**	**Wall**	**Glazing**	**Large pool area, A wall glazed block**	**1.8**	**N**	
100	**Ceramic block**	**Wall**	**Glazing**	**Large pool area, C wall glazed block**	**1.6**	**N**	
101	**Ceramic block**	**Wall**	**Glazing**	**Large pool area, D wall glazed block**	**1.9**	**N**	
102	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, near entrance area to pool, C wall**	**1.6**	**N**	
103	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, shower area, B wall**	**1.8**	**N**	
104	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, bathroom area, A wall**	**1.5**	**N**	
105	**Ceramic block**	**Wall**	**Glazing**	**Men's locker room, utility closet C wall**	**1.4**	**N**	
106	Plaster	Support pole	White	Approximate center of men's locker room	0.1	N	
107	Metal	Stair rail	Brown	1961 building, stairwell to 2F	0.1	N	
108	Metal	Stair bannister	Brown	1961 building, stairwell to 2F	0.2	N	
109	Wood	Floor	NA	1961 gymnasium area, near D wall entrance from pool side	0.0	N	
110	Wood	Floor	NA	1961 gymnasium area, B wall side, near the center edge of the floor	0.0	N	
111	Wood	Door/opening trim	NA	1961 gymnasium area, B wall side	0.0	N	Peeling/flaking
112	Wood	Floor	NA	1961 gymnasium, approximate center of gym floor		N	
113	**Ceramic block**	**Wall**	**Glazing**	**1961 gymnasium, lower portion of D wall**	**1.5**	**N**	
114	**Ceramic block**	**Wall**	**Glazing**	**1961 gymnasium, lower portion of A wall**	**1.6**	**N**	
115	Plaster	Wall	White	Stairwell to small 3F area in 1961 building	0.5	N	
116	Plaster	Wall	White	1978 building, 3F office hallway area, 1961 building	0.1	N	
117	Plaster	Wall	White	1978 building, 3F office, A wall	0.2	N	
118	Plaster	Wall	White	1978 building, 3F office, D wall	0.3	N	
119	Plaster	Wall	White	1978 building, 3F outside of small pickleball court	0.3	N	
120	Plaster	Wall	White	Stairwell between 2F and 3F	0.2	N	
121	Drywall	Wall	White	Stairwell between 2F and 3F, damaged wall area near 1905 building (living area)	0.1	N	
Post-Cal 1	NA	NA	NA	NA	1.0	NA	
Post-Cal 2	NA	NA	NA	NA	1.0	NA	

Sample Nos.	Substrate	Component	Color	Location	Reading (mg/cm^2)	Friction or Impact Surface (Y or N)	Notes
Post-Cal 3	NA	NA	NA	NA	1.1	NA	
Negative Cal	NA	NA	NA	NA	0.1	NA	

APPENDIX B

ANALYTICAL LABORATORY REPORTS AND CHAINS-OF-CUSTODY

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Attn: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone:	(563) 355-0702
Fax:	(319) 355-4789
Collected:	
Received:	11/02/2021
Analyzed:	11/12/2021

Proj: YMCA ACM Point Count Sampling / 480-3rd Street / Former YMCA / 07207086

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC1-PL1-01 ***Lab Sample ID:*** **042127615-0001**

Sample Description: Basement Landing, Bottom of East Stairwell, Overhead/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/08/2021	White	0.0%	87.3%	**12.75% Chrysotile**	System_ID:

Client Sample ID: PC1-PL1-02-Insulation ***Lab Sample ID:*** **042127615-0002**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC1-PL1-02-Wrap ***Lab Sample ID:*** **042127615-0002A**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/11/2021	Brown/White	90.0%	10.0%	None Detected	System_ID:

Client Sample ID: PC1-PL1-03-Insulation ***Lab Sample ID:*** **042127615-0003**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC1-PL1-03-Wrap ***Lab Sample ID:*** **042127615-0003A**

Sample Description: Basement Area, North Side of Small Office Next to East Stairs/Mag Pipe Insulation White w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/11/2021	Brown/White	90.0%	10.0%	None Detected	System_ID:

Client Sample ID: PC2-MJ3-04 ***Lab Sample ID:*** **042127615-0004**

Sample Description: Basement Area, South Main Room Above the Drop Ceiling Against North Wall/Mudded Joint Fitting w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/08/2021	Tan	20.0%	72.0%	**7.98% Chrysotile**	System_ID:

Client Sample ID: PC2-MJ3-05 ***Lab Sample ID:*** **042127615-0005**

Sample Description: Basement Area, Women's Locker Room Back of Room Above the Drop Ceiling/Mudded Joint Fitting w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

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

EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC2-MJ3-06 ***Lab Sample ID:*** **042127615-0006**

Sample Description: 2nd Floor Mechanical RoomAbove the Duct Work/Mudded Joint Fitting w/Canvas Wrap

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC3-MJ4-07-Fitting ***Lab Sample ID:*** **042127615-0007**

Sample Description: Basement Area South Room Along North Wall/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/08/2021	Tan	20.0%	67.5%	**12.50% Chrysotile**	System_ID:

Client Sample ID: PC3-MJ4-07-Wrap ***Lab Sample ID:*** **042127615-0007A**

Sample Description: Basement Area South Room Along North Wall/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021	Tan/White	0.0%	98.5%	**1.50% Chrysotile**	System_ID:

Client Sample ID: PC3-MJ4-08-Fitting ***Lab Sample ID:*** **042127615-0008**

Sample Description: Gymnasium, Southeast Corner Below Elevated Heater/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC3-MJ4-08-Wrap ***Lab Sample ID:*** **042127615-0008A**

Sample Description: Gymnasium, Southeast Corner Below Elevated Heater/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC3-MJ4-09 ***Lab Sample ID:*** **042127615-0009**

Sample Description: Basement Area, Near Women's Locker Room Entrance/Mudded Joint Fitting w/Canvas Wrap/Fiberglass

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC4-PI3-10 ***Lab Sample ID:*** **042127615-0010**

Sample Description: Basement Area Near Bottom of East Stairwell/Pipe Insulation - Layered Paper with Canvas Wrap (Hard-Wrap)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021	Tan	70.0%	22.0%	**8.00% Chrysotile**	System_ID:

Client Sample ID: PC4-PI3-11 ***Lab Sample ID:*** **042127615-0011**

Sample Description: Basement Area Women's Locker Room Back/Pipe Insulation - Layered Paper with Canvas Wrap (Hard-Wrap)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	System_ID:

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EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC4-PI3-12 ***Lab Sample ID:*** **042127615-0012**

Sample Description: 2nd Floor Mechanical Room Above the Duct Work/Pipe Insulation - Layered Paper with Canvas Wrap (Hard-Wrap)

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM Pt Ct	11/12/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-13-Floor Tile ***Lab Sample ID:*** **042127615-0013**

Sample Description: Basement Area, Southeast Room Near Entrance/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Red	0.0%	94.4%	**5.6% Chrysotile**	

System_ID:

Client Sample ID: PC5-FT1-13-Mastic ***Lab Sample ID:*** **042127615-0013A**

Sample Description: Basement Area, Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	96.7%	**3.3% Chrysotile**	

System_ID:

Client Sample ID: PC5-FT1-14-Floor Tile ***Lab Sample ID:*** **042127615-0014**

Sample Description: 1st Floor Southeast Room Near Entrance/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-14-Mastic ***Lab Sample ID:*** **042127615-0014A**

Sample Description: 1st Floor Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-15-Floor Tile ***Lab Sample ID:*** **042127615-0015**

Sample Description: 2nd Floor Kitchen Area Near Entrance/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-15-Mastic ***Lab Sample ID:*** **042127615-0015A**

Sample Description: 2nd Floor Kitchen Area Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC5-FT1-15-Tar Paper ***Lab Sample ID:*** **042127615-0015B**

Sample Description: 2nd Floor Kitchen Area Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

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EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC6-FT1-16-Floor Tile ***Lab Sample ID:*** **042127615-0016**

Sample Description: Basement Area, Bottom of East Stairwell/9"x9" Floor Tile Beige with Tand and Brown Spots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/Tan/Beige	0.0%	98.8%	**1.2% Chrysotile**	

System_ID:

Client Sample ID: PC6-FT1-16-Mastic ***Lab Sample ID:*** **042127615-0016A**

Sample Description: Basement Area, Bottom of East Stairwell/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC6-FT1-17-Floor Tile ***Lab Sample ID:*** **042127615-0017**

Sample Description: 1st Floor Southeast Room Near Entrance/9"x9" Floor Tile Beige with Tand and Brown Spots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC6-FT1-17-Mastic ***Lab Sample ID:*** **042127615-0017A**

Sample Description: 1st Floor Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Insufficient Material	

System_ID:

Client Sample ID: PC6-FT1-17-Mastic 2 ***Lab Sample ID:*** **042127615-0017B**

Sample Description: 1st Floor Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC6-FT1-18-Floor Tile ***Lab Sample ID:*** **042127615-0018**

Sample Description: Basement Area, Women's Locker room Shower Area/9"x9" Floor Tile Beige with Tand and Brown Spots

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC6-FT1-18-Mastic ***Lab Sample ID:*** **042127615-0018A**

Sample Description: Basement Area, Women's Locker room Shower Area/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC7-FT1-19-Floor Tile ***Lab Sample ID:*** **042127615-0019**

Sample Description: 1st Floor Storage room Near Counter by Entrance/9"x9" Floor Tile Grey w White Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Gray/White	0.0%	98.3%	**1.7% Chrysotile**	

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EMSL Order ID:	042127615
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC7-FT1-19-Mastic ***Lab Sample ID:*** **042127615-0019A**

Sample Description: 1st Floor Storage room Near Counter by Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC7-FT1-20-Floor Tile ***Lab Sample ID:*** **042127615-0020**

Sample Description: 1st Floor Storage Room Near Counter along North Wall/9"x9" Floor Tile Grey w White Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC7-FT1-20-Mastic ***Lab Sample ID:*** **042127615-0020A**

Sample Description: 1st Floor Storage Room Near Counter along North Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC7-FT1-21-Floor Tile ***Lab Sample ID:*** **042127615-0021**

Sample Description: 1st Floor Storage Room Near Counter Back of Room by South Wall/9"x9" Floor Tile Grey w White Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC7-FT1-21-Mastic ***Lab Sample ID:*** **042127615-0021A**

Sample Description: 1st Floor Storage Room Near Counter Back of Room by South Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC8-FT1-22-Floor Tile ***Lab Sample ID:*** **042127615-0022**

Sample Description: 2nd Floor, Outside North Restrooms/9"x9" Floor Tile Beige w Brown and White Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/White/Beige	0.0%	97.2%	**2.8% Chrysotile**	System_ID:

Client Sample ID: PC8-FT1-22-Mastic ***Lab Sample ID:*** **042127615-0022A**

Sample Description: 2nd Floor, Outside North Restrooms/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	98.9%	**1.1% Chrysotile**	System_ID:

Client Sample ID: PC8-FT1-23-Floor Tile ***Lab Sample ID:*** **042127615-0023**

Sample Description: 2nd Floor Main Room Southwest Corner/9"x9" Floor Tile Beige w Brown and White Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC8-FT1-23-Mastic ***Lab Sample ID:*** **042127615-0023A**

Sample Description: 2nd Floor Main Room Southwest Corner/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC8-FT1-24-Floor Tile ***Lab Sample ID:*** **042127615-0024**

Sample Description: 3rd Floor Common Room Along South Area/9"x9" Floor Tile Beige w Brown and White Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC8-FT1-24-Mastic ***Lab Sample ID:*** **042127615-0024A**

Sample Description: 3rd Floor Common Room Along South Area/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC9-FT1-25-Floor Tile ***Lab Sample ID:*** **042127615-0025**

Sample Description: 2nd Floor Near North Entrance of Kitchen/9"x9" Floor TileWhite w/Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/White	0.0%	94.8%	**5.2% Chrysotile**	System_ID:

Client Sample ID: PC9-FT1-25-Mastic ***Lab Sample ID:*** **042127615-0025A**

Sample Description: 2nd Floor Near North Entrance of Kitchen/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: PC9-FT1-26-Floor Tile ***Lab Sample ID:*** **042127615-0026**

Sample Description: 2nd Floor Center of Building Old Kitchen Area/9"x9" Floor TileWhite w/Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC9-FT1-26-Mastic ***Lab Sample ID:*** **042127615-0026A**

Sample Description: 2nd Floor Center of Building Old Kitchen Area/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Insufficient Material	System_ID:

Client Sample ID: PC9-FT1-27-Floor Tile ***Lab Sample ID:*** **042127615-0027**

Sample Description: 2nd Floor Near West Entrance of Kitchen/9"x9" Floor TileWhite w/Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC9-FT1-27-Mastic ***Lab Sample ID:*** **042127615-0027A**

Sample Description: 2nd Floor Near West Entrance of Kitchen/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC10-FC1-28 ***Lab Sample ID:*** **042127615-0028**

Sample Description: 2nd Floor Room 1 Under Carpet and Sub-Floor/Floor Sheeting, Tan with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Tan/Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC10-FC1-29 ***Lab Sample ID:*** **042127615-0029**

Sample Description: 3rd Floor Room 8 Under Carpet and Sub-Floor/Floor Sheeting, Tan with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Tan/Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC10-FC1-30 ***Lab Sample ID:*** **042127615-0030**

Sample Description: 3rd Floor Room 11 Under Carpet and Sub-Floor/Floor Sheeting, Tan with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Tan/Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC11-FC1-31 ***Lab Sample ID:*** **042127615-0031**

Sample Description: 2nd Floor Room 2 Under Carpet and Sub-Floor/Floor Sheeting Green with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black/Green	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC11-FC1-32 ***Lab Sample ID:*** **042127615-0032**

Sample Description: 3rd Floor Room 20 Under Carpet and Sub-Floor/Floor Sheeting Green with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black/Green	0.0%	99.6%	**0.4% Chrysotile**	

System_ID:

Client Sample ID: PC11-FC1-33 ***Lab Sample ID:*** **042127615-0033**

Sample Description: 3rd Floor Room 23 Under Carpet and Sub-Floor/Floor Sheeting Green with Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Black/Green	0.0%	99.5%	**0.5% Chrysotile**	

System_ID:

Client Sample ID: PC12-FC1-34 ***Lab Sample ID:*** **042127615-0034**

Sample Description: 2nd Floor Room 3 Under Carpet and Sub-Floor/Floor Sheeting Grey w Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Gray/Black	0.5%	98.7%	**0.8% Chrysotile**	

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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC12-FC1-35 ***Lab Sample ID:*** **042127615-0035**

Sample Description: 3rd Floor Room 9 Under Carpet and Sub-Floor/Floor Sheeting Grey w Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Gray/Black	0.0%	99.1%	**0.9% Chrysotile**	System_ID:

Client Sample ID: PC12-FC1-36 ***Lab Sample ID:*** **042127615-0036**

Sample Description: 3rd Floor Room 19 Under Carpet and Sub-Floor/Floor Sheeting Grey w Black Tar Paper Backing

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Gray/Black	0.0%	99.7%	**0.3% Chrysotile**	System_ID:

Client Sample ID: PC13-FT2-37-Floor Tile ***Lab Sample ID:*** **042127615-0037**

Sample Description: 1st Floor Southeast Side of Lobby/Hallway/12"x12" Floor Tile White w/ Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown/White	0.0%	96.6%	**3.4% Chrysotile**	System_ID:

Client Sample ID: PC13-FT2-37-Mastic ***Lab Sample ID:*** **042127615-0037A**

Sample Description: 1st Floor Southeast Side of Lobby/Hallway/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	97.4%	**2.6% Chrysotile**	System_ID:

Client Sample ID: PC13-FT2-38-Floor Tile ***Lab Sample ID:*** **042127615-0038**

Sample Description: 2nd Floor Outside Hand Ball Court/12"x12" Floor Tile White w/ Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC13-FT2-38-Mastic ***Lab Sample ID:*** **042127615-0038A**

Sample Description: 2nd Floor Outside Hand Ball Court/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC13-FT2-39-Floor Tile ***Lab Sample ID:*** **042127615-0039**

Sample Description: 2nd Floor East Hallway by Gymnasium/12"x12" Floor Tile White w/ Brown Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

Client Sample ID: PC13-FT2-39-Mastic ***Lab Sample ID:*** **042127615-0039A**

Sample Description: 2nd Floor East Hallway by Gymnasium/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC14-FT1-40-Floor Tile ***Lab Sample ID:*** **042127615-0040**

Sample Description: Basement Area Southeast Room Along near Center of Room/9"x9" Floor Tile Brown

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Brown	0.0%	87.8%	**12.2% Chrysotile**	

System_ID:

Client Sample ID: PC14-FT1-40-Mastic ***Lab Sample ID:*** **042127615-0040A**

Sample Description: Basement Area Southeast Room Along near Center of Room/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	96.5%	**3.5% Chrysotile**	

System_ID:

Client Sample ID: PC14-FT1-41-Floor Tile ***Lab Sample ID:*** **042127615-0041**

Sample Description: Basement Area, Southeast Room Near Entrance/9"x9" Floor Tile Brown

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC14-FT1-41-Mastic ***Lab Sample ID:*** **042127615-0041A**

Sample Description: Basement Area, Southeast Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC14-FT1-42-Floor Tile ***Lab Sample ID:*** **042127615-0042**

Sample Description: Basement Area, Southeast Room along Southeast Wall/9"x9" Floor Tile Brown

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC14-FT1-42-Mastic ***Lab Sample ID:*** **042127615-0042A**

Sample Description: Basement Area, Southeast Room along Southeast Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC15-FT1-43-Floor Tile ***Lab Sample ID:*** **042127615-0043**

Sample Description: Basement Area, Southwest Room Near Entrance/9"x9" Floor Tile Beige w/Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Beige	0.0%	94.2%	**5.8% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-43-Mastic ***Lab Sample ID:*** **042127615-0043A**

Sample Description: Basement Area, Southwest Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	99.7%	**0.3% Chrysotile**	

System_ID:

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Customer ID:	TEI93
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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: PC15-FT1-43-Mastic 2 ***Lab Sample ID:*** **042127615-0043B**

Sample Description: Basement Area, Southwest Room Near Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-44-Floor Tile ***Lab Sample ID:*** **042127615-0044**

Sample Description: Basement Area, Southwest Room Near Center/9"x9" Floor Tile Beige w/Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC15-FT1-44-Mastic ***Lab Sample ID:*** **042127615-0044A**

Sample Description: Basement Area, Southwest Room Near Center/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Black	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-44-Mastic 2 ***Lab Sample ID:*** **042127615-0044B**

Sample Description: Basement Area, Southwest Room Near Center/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/11/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-45-Floor Tile ***Lab Sample ID:*** **042127615-0045**

Sample Description: Basement Area Southwest Room Near North Wall/9"x9" Floor Tile Beige w/Streaks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021				Positive Stop (Not Analyzed)	

System_ID:

Client Sample ID: PC15-FT1-45-Mastic ***Lab Sample ID:*** **042127615-0045A**

Sample Description: Basement Area Southwest Room Near North Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Black	0.0%	99.2%	**0.8% Chrysotile**	

System_ID:

Client Sample ID: PC15-FT1-45-Mastic 2 ***Lab Sample ID:*** **042127615-0045B**

Sample Description: Basement Area Southwest Room Near North Wall/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
400 PLM PtCt Grav. Red.	11/12/2021	Yellow	0.0%	100%	**<0.25% Chrysotile**	

System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Analyst(s):

Alex Francois	400 PLM Pt Ct (3)
Brian Kibelstis	400 PLM PtCt Grav. Red (5) 400 PLM Pt Ct (2)
Gabrielle DiDonato	400 PLM PtCt Grav. Red (11)
Paige Havener	400 PLM PtCt Grav. Red (20) 400 PLM Pt Ct (2)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 12/07/202107:25:00 Replaces initial report from: 11/09/202115:26:36 Reason Code: Client-Other (see report comment)

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127615
Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Project Name:	YMCA ACM Point-Count Sampling	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 – 3rd Street	**City/State / Zip:**	Clinton, Iowa	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	Former YMCA			**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
PC1 – PI1 – 01	Basement landing, bottom of east stairwell, overhead	1905 Building, basement	Mag pipe insulation, white with canvas wrap	8 LF	F C1 C2	G D SD
PC1 – PI1 – 02	Basement area, north side of small office next to east stairs					
PC1 – PI1 – 03	Basement area, north side of small office next to east stairs					
PC2 – MJ3 – 04	Basement area, south main room above the drop ceiling against north wall	1905 Building, basement	Mudded joint fitting with canvas wrap	230 LF	F C1 C2	G D SD
PC2 – MJ3 – 05	Basement area, women's locker room back of room above the drop ceiling	1961 Building, basement				
PC2 – MJ3 – 06	2nd Floor mechanical room above the duct work	1961 Building, 2nd floor				
PC3 – MJ4 – 07	Basement area, south room along north wall	1905 Building, basement & gymnasium	Mudded joint fitting with canvas wrap/fiber glass	325 LF	F C1 C2	G D SD
PC3 – MJ4 – 08	Gymnasium, southeast corner below elevated heater					
PC3 – MJ4 – 09	Basement area, near women's locker room entrance					
PC4 – PI3 – 10	Basement area, near bottom of east stairwell	1905 Building, basement & 1961 building, 2nd floor	Pipe insulation-layered paper with canvas wrap (hard-wrap)	760 LF	F C1 C2	G D SD
PC4 – PI3 – 11	Basement area, women's locker room back					
PC4 – PI3 – 12	2nd Floor mechanical room above the duct work					
PC5 – FT1 – 13	Basement area, southeast room along near center of room	1905 Building, basement, 1st floor southeast room, & 2nd floor kitchen	9" x 9" Floor tile & mastic, red	500 SF	F C1 C2	G D SD
PC5 – FT1 – 14	1st Floor, southeast room near entrance					
PC5 – FT1 – 15	2nd Floor kitchen area near entrance					

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2 DEC -7 AM 7:15

Sampling Date: October 22, 2021 **Collected by (print):** Steven Mack **Inspector's Signature:**

Relinquished by: Steven Mack **Date/Time:** 11/01/2021 **Received by:** FX **Date/Time:** 11/2-21 9:40AM

Analysis: PLM EPA 600/R-93/116 ☐ PLM 400 Point Count ☒ TEM ☐ Other _____ **Instructions:**

Turnaround Time: 3 Hrs ☐ 24 Hrs ☐ 2 Days ☐ 3 Days ☐ 5 Days ☒ Other _____ **Terracon ARMS:** ☐ **Stop Positive:** ☒ **Number of samples:** _____

[1] F = Friable: C1 = Category I: packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable: any materials other than Cat. I containing >1% asbestos

OrderID: 042127615

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127615
Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
PC6 – FT1 – 16	Basement area, bottom of east stairwell	1905 Building, basement & 1st floor	9" x 9" Floor tile & mastic, beige with tan & brown spots	6,800 SF	F C1 C2	G D SD
PC6 – FT1 – 17	1st Floor, southeast room near entrance					
PC6 – FT1 – 18	Basement area, women's locker room shower area					
PC7 – FT1 – 19	1st Floor, storage room near counter by entrance	1905 Building, 1st floor storage room	9" x 9" Floor tile & mastic, (multiple colors) grey with white specks	108 SF	F C1 C2	G D SD
PC7 – FT1 – 20	1st Floor, storage room near counter along north wall					
PC7 – FT1 – 21	1st Floor, storage room near counter back of room by south wall					
PC8 – FT1 – 22	2nd Floor, outside north restrooms	1905 Building, 2nd floor near bathrooms, & 3rd floor near common area	9" x 9" Floor tile & mastic, beige with brown & white streaks	1,320 SF	F C1 C2	G D SD
PC8 – FT1 – 23	2nd Floor, main room southwest corner					
PC8 – FT1 – 24	3rd Floor, common room along south area					
PC9 – FT1 – 25	2nd Floor, near north entrance of kitchen	1905 Building, 2nd floor kitchen	9" x 9" Floor tile & mastic, white with brown streaks	250 SF	F C1 C2	G D SD
PC9 – FT1 – 26	2nd Floor, center of building, old kitchen area					
PC9 – FT1 – 27	2nd Floor, near west entrance of kitchen					
PC10 – FC1 – 28	2nd Floor, room 1 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Floor sheeting, tan with black tar paper backing	960 SF	F C1 C2	G D SD
PC10 – FC1 – 29	3rd Floor, room 8 under carpet and sub-floor					
PC10 – FC1 – 30	3rd Floor, room 11 under carpet and sub-floor					
PC11 – FC1 – 31	2nd Floor, room 2 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Floor sheeting, green with black tar paper backing	1,170	F C1 C2	G D SD
PC11 – FC1 – 32	3rd Floor, room 20 under carpet and sub-floor					
PC11 – FC1 – 33	3rd Floor, room 23 under carpet and sub-floor					

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OrderID: 042127615

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Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127615

Select a Laboratory:

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
PC12 – FC1 – 34	2nd Floor, room 3 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Floor sheeting, grey with black tar paper backing	2,900 SF	F C1 C2	G D SD
PC12 – FC1 – 35	3rd Floor, room 9 under carpet and sub-floor					
PC12 – FC1 – 36	3rd Floor, room 19 under carpet and sub-floor					
PC13 – FT2 – 37	1st Floor, southeast side of lobby/hallway	1961 Building, 1st floor lobby & 2nd floor	12" x 12" Floor tile & mastic, white with brown streaks	3,600 SF	F C1 C2	G D SD
PC13 – FT2 – 38	2nd Floor, outside handball court					
PC13 – FT2 – 39	2nd Floor, east hallway by gymnasium					
PC14 – FT1 – 40	Basement area, southeast room along near center of room	1905 Building, basement	9" x 9" Floor tile & mastic, brown	460 SF	F C1 C2	G D SD
PC14 – FT1 – 41	Basement area, southeast room near entrance					
PC14 – FT1 – 42	Basement area, southeast room along southeast wall					
PC15 – FT1 – 43	Basement area, southwest room near entrance	1905 Building, basement	9" x 9" Floor tile & mastic, beige with streaks	4,700 SF	F C1 C2	G D SD
PC15 – FT1 – 44	Basement area, southwest room near center					
PC15 – FT1 – 45	Basement area, southwest room near north wall					
– –					F C1 C2	G D SD
– –						
– –						
– –					F C1 C2	G D SD
– –						
– –						

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OrderID: 042127615

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

EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Attn: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone:	(563) 355-0702
Fax:	(319) 355-4789
Collected:	
Received:	11/04/2021
Analyzed:	1/04/2022

Proj: Former YMCA Building / 480 3rd Street / YMCA Building / 07207086 / Clinton, Iowa 52732 / Negative Confirmation Sampling

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-CT3-01 ***Lab Sample ID:*** **042127746-0001**

Sample Description: North Room in the Southeast Corner/2'x2' Ceiling Tile, White Pinholes and Slight Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	70.0%	26.0%	**4% Amosite**	System_ID:
400 PLM Pt Ct	1/03/2022	White	0.0%	98.3%	**1.75% Amosite**	System_ID:

Client Sample ID: NC-CT1-02 ***Lab Sample ID:*** **042127746-0002**

Sample Description: North Storage Closet Near the Doorway/1'x1' Ceiling Tile Green with Brown Fiber Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Green	98.0%	2.0%	None Detected	System_ID:

Client Sample ID: NC-CT4-03 ***Lab Sample ID:*** **042127746-0003**

Sample Description: North Room, Southwest Area Near the Entrance/2'x4' Ceiling Tile White Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	70.0%	30.0%	None Detected	System_ID:

Client Sample ID: NC-FT1-04-Floor Tile ***Lab Sample ID:*** **042127746-0004**

Sample Description: South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment/9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	97.0%	**3% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Gray	0.0%	98.4%	**1.6% Chrysotile**	System_ID:

Client Sample ID: NC-FT1-04-Mastic ***Lab Sample ID:*** **042127746-0004A**

Sample Description: South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-05 ***Lab Sample ID:*** **042127746-0005**

Sample Description: South Restroom, Center Area Near the Sinks/Vinyl Floor Sheeting Tan with Black and Gray Specks

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

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

EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-PL1-06-Plaster Skim Coat ***Lab Sample ID:*** **042127746-0006**

Sample Description: South Restroom South Wall Center Area Mid-Way Up the Wall/Plaster Skim Coat

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-PL1-06-Drywall ***Lab Sample ID:*** **042127746-0006A**

Sample Description: South Restroom South Wall Center Area Mid-Way Up the Wall/Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	10.0%	90.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-07-Ceramic Tile ***Lab Sample ID:*** **042127746-0007**

Sample Description: North Restroom Center of Doorway Threshold/1"x1" Ceramic Tile Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-07-Grout ***Lab Sample ID:*** **042127746-0007A**

Sample Description: North Restroom Center of Doorway Threshold/Grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-07-Adhesive ***Lab Sample ID:*** **042127746-0007B**

Sample Description: North Restroom Center of Doorway Threshold/Adhesive

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-WB1-08-Drywall ***Lab Sample ID:*** **042127746-0008**

Sample Description: Room 13 Northeast Wall Center Area in the Corner/Drywall

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray/White	10.0%	90.0%	None Detected	System_ID:

Client Sample ID: NC-WB1-08-Joint Compound ***Lab Sample ID:*** **042127746-0008A**

Sample Description: Room 13 Northeast Wall Center Area in the Corner/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-WB3-09 ***Lab Sample ID:*** **042127746-0009**

Sample Description: Storage Room on the East Side the North Open Room/Drywall Compound

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	10.0%	90.0%	None Detected	System_ID:

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EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-FC1-10-Vinyl Sheet Flooring ***Lab Sample ID:*** **042127746-0010**

Sample Description: Elevated Running Track Near the Southeast Entrance to Track/Vinyl Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	2.0%	98.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-10-Mastic ***Lab Sample ID:*** **042127746-0010A**

Sample Description: Elevated Running Track Near the Southeast Entrance to Track/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Clear	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC5-11 ***Lab Sample ID:*** **042127746-0011**

Sample Description: Gymnasium Floor Northeast Corner of Gym/Felt Paper Underlayment

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	85.0%	15.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-12-Ceramic Tile ***Lab Sample ID:*** **042127746-0012**

Sample Description: Center Swimming Pool on the Northwest Corner of the Pool/1"x1" Ceramic Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Beige	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-MS5-12-Grout ***Lab Sample ID:*** **042127746-0012A**

Sample Description: Center Swimming Pool on the Northwest Corner of the Pool/Grout

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-HP2-13 ***Lab Sample ID:*** **042127746-0013**

Sample Description: Main Lobby Area, Center of Wall by the Southeast Stair Entrance/Plaster (Hard Finish) on Wood Lath

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FT2-14-Floor Tile ***Lab Sample ID:*** **042127746-0014**

Sample Description: Main Lobby Area, on North Side of the Center Counter on the Floor/12"x12" Vinyl Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FT2-14-Mastic ***Lab Sample ID:*** **042127746-0014A**

Sample Description: Main Lobby Area, on North Side of the Center Counter on the Floor/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

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EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-CA5-15 ***Lab Sample ID:*** **042127746-0015**

Sample Description: East Stairwell Landing Above the Handrail Behind the Stair Wall Paneling /Caulk Beige Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Beige	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FT5-16-Floor Tile ***Lab Sample ID:*** **042127746-0016**

Sample Description: Main Lobby Area, Underneath a Layer of Floor Tile and Wood Underlayment /9"x9" Floor Tile

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	95.0%	**5% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/03/2022	Tan	0.0%	96.4%	**3.6% Chrysotile**	System_ID:

Client Sample ID: NC-FT5-16-Mastic ***Lab Sample ID:*** **042127746-0016A**

Sample Description: Main Lobby Area, Underneath a Layer of Floor Tile and Wood Underlayment/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-17-Sheet Flooring ***Lab Sample ID:*** **042127746-0017**

Sample Description: North Room Kitchenette Area 2' Inside the Door at East Entrance/Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-17-Mastic ***Lab Sample ID:*** **042127746-0017A**

Sample Description: North Room Kitchenette Area 2' Inside the Door at East Entrance/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CT5-18 ***Lab Sample ID:*** **042127746-0018**

Sample Description: North Room Kitchenette Area, East Entrance Above the Doorway /2'x2' Ceiling Tile White Faced Fiberglass Panels

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	98.0%	2.0%	None Detected	System_ID:

Client Sample ID: NC-CT4-19 ***Lab Sample ID:*** **042127746-0019**

Sample Description: South Central Room by Main Lobby Above the Doorway Entrance /2'x4' Ceiling Tile White Slightly Textured

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	98.0%	2.0%	None Detected	System_ID:

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EMSL Order ID:	042127746
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: NC-FC1-20-Sheet Flooring ***Lab Sample ID:*** **042127746-0020**

Sample Description: Central Women's Locker Room Under Sink Next to Shower Room/Vinyl Sheet Flooring

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC1-20-Mastic ***Lab Sample ID:*** **042127746-0020A**

Sample Description: Central Women's Locker Room Under Sink Next to Shower Room/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC4-21-Stairtread ***Lab Sample ID:*** **042127746-0021**

Sample Description: Upper Locker Room Entrance Stairwell Down to Locker Rooms/Vinyl Stairtread

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-FC4-21-Mastic ***Lab Sample ID:*** **042127746-0021A**

Sample Description: Upper Locker Room Entrance Stairwell Down to Locker Rooms/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CT5-22 ***Lab Sample ID:*** **042127746-0022**

Sample Description: Basement Storage Room / Crawlspace/2'x4' Ceiling Tile Brown 1/2" Fibrous with Tan Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	98.0%	2.0%	None Detected	System_ID:

Client Sample ID: NC-WB4-23 ***Lab Sample ID:*** **042127746-0023**

Sample Description: Basement Area, Southwest Corner in Elevator Lobby on the Ceiling /Spray-on Popcorn Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CA3-24 ***Lab Sample ID:*** **042127746-0024**

Sample Description: Main Locker Room Area by the Gym/Caulk - Gray Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: NC-CA3-25 ***Lab Sample ID:*** **042127746-0025**

Sample Description: Track Area on East Wall Brick Wall Seams/Caulk - White Brittle Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

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EMSL Order ID:	042127746
Customer ID:	TEI93
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Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Analyst(s):

Bryan Lopez-Duenas	PLM (37)
Jason Stuhr	400 PLM PtCt Grav. Red (1)
Laura Vera	400 PLM PtCt Grav. Red (1) 400 PLM Pt Ct (1)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Orlando, FL NVLAP Lab Code 101151-0

Report amended: 01/04/202208:20:37 Replaces initial report from: 11/10/202123:29:37 Reason Code: Client-Additional Analysis

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID:

Select a Laboratory:

04121 27746 **Lab Location:** HQ - Cinnaminson, NJ 101048-0

Page _____ of _____

Project Name:	Former YMCA Building	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 3rd Street	**City/State / Zip:**	Clinton, Iowa 52732	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	YMCA Building	**Batch:**	Negative Confirmation Sampling	**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
NC – CT3 – 01	North room, in the southeast corner	1905 Building 1st floor	2' x 2' Ceiling tile, white, pinholes and slight texture	2,800 SF	F C1 C2 RACM	G D SD
NC – CT1 – 02	North storage closet near the doorway	1905 Building 2nd floor	1' x 1' Ceiling tile, green with brown fiber smooth texture	75 SF	F C1 C2 RACM	G D SD
NC – CT4 – 03	North room, southwest area near the entrance	1905 Building 1st floor	2' x 4' Ceiling tile, white, textured	1,600 SF	F C1 C2 RACM	G D SD
NC – FT1 – 04	South restroom, southeast corner, under sheet flooring and underlayment	1905 Building 2nd floor	9" x 9" Floor tile and mastic – beige	4,500 SF	F C1 C2	G D SD
NC – FC1 – 05	South restroom, center area near the sinks	1905 Building 2nd floor	Vinyl floor sheeting - tan with black and gray specks	150 SF	F C1 C2 RACM	G D SD
NC – PL1 – 06	South restroom, south wall center area, mid-way up the wall	1905 Building 2nd floor	Plaster skim coat and drywall - tan with a slight texture	20,000 SF	F C1 C2 RACM	G D SD
NC – MS5 – 07	North restroom, center of doorway threshold	1905 Building 3rd Floor	1" x 1" Ceramic tile - gray with light gray grout and adhesive	150 SF	F C1 C2	G D SD
NC – WB1 – 08	Room 13, northeast wall center area, in the corner	1905 Building 3rd Floor	Drywall and joint compound – white, slight texture	5,000 SF	F C1 C2	G D SD
NC – WB3 – 09	Storage room on the east side the north open room	1905 Building 2nd floor	Drywall compound – white slight texture	600 SF	F C1 C2	G D SD
NC – FC1 – 10	Elevated running track, near the southeast entrance to track	3rd Floor running track	Vinyl sheet flooring and mastic – tan, smooth texture	3,200 SF	F C1 C2 RACM	G D SD
NC – FC5 – 11	Gymnasium floor, northeast corner of gym	2nd Floor gymnasium	Felt paper underlayment – black smooth texture	8,000 SF	F C1 C2	G D SD
NC – MS5 – 12	Center swimming pool, on the northwest corner of the pool	1961 Building Swimming pool area	1" x 1" Ceramic tile and grout – beige with gray grout	2,000 SF	F C1 C2	G D SD
NC – HP2 – 13	Main lobby area, center of wall by the southeast stair entrance	1905 Building 1st floor	Plaster (hard finish) on wood lath – white, painted blue	3,600 SF	F C1 C2	G D SD

RECEIVED 2021 NOV 4 AM 10:10 EMSL CINNAMINSON, NJ

Sampling Date: October 22, 2021 **Collected by (print):** Steven Mack **Inspector's Signature:**

Relinquished by: **Date/Time:** 10/22/2021 **Received by:** **Date/Time:** 11-4-21 940A

Analysis: PLM EPA 600/R-93/116 ☒ PLM 400 Point Count ☐ TEM ☐ Other _____

Turnaround Time: 3 Hrs. ☐ 24 Hrs. ☐ 2 Days ☐ 3 Days ☐ 5 Days ☒ Other _____

Instructions:

Terracon ARMS: ☒ **Stop Positive:** ☐ **Number of samples:** _____

23

[1] F = Friable; C1 = Category I; packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable; any materials other than Cat. I containing >1% asbestos

OrderID: 042127746

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID:

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

042127746

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
NC – FT2 – 14	Main lobby area, on the north side of the center counter on the floor	1905 Building 1st floor	12" x 12" Vinyl floor tile and mastic– white, smooth	600 SF	F C1 C2	G D SD
NC – CA5 – 15	East stairwell landing above the handrail, behind the stair wall paneling	1905 Building 1st floor	Caulk (panel adhesive) – beige, rough texture	100 SF	F C1 C2	G D SD
NC – FT5 – 16	Main lobby area, underneath a layer of floor tile and wood underlayment	1905 Building 1st floor	9" x 9" Floor tile and mastic – light tan	1,200 SF	F C1 C2	G D SD
NC – FC1 – 17	North room kitchenette area, 2' inside the door at east entrance	1905 Building 1st floor	Sheet flooring and mastic – red with black and tan specks	50 SF	F C1 C2 RACM	G D SD
NC – CT5 – 18	North room kitchenette area, east entrance above the doorway	1905 Building 1st floor	2' x 2' Ceiling tile – white faced fiberglass panels	50 SF	F C1 C2	G D SD
NC – CT4 – 19	South central room by main lobby, above the doorway entrance	1905 Building 1st floor	2' x 4' Ceiling tile – white, slightly textured	1,500 SF	F C1 C2 RACM	G D SD
NC – FC1 – 20	Central women's locker room, under sink, next to shower room	1961 Building basement	Vinyl sheet flooring and mastic - tan	120 SF	F C1 C2 RACM	G D SD
NC – FC4 – 21	Upper locker room entrance, stairwell down to locker rooms	1961 Building basement	Vinyl stair treads and mastic – tan with diamond pattern	85 SF	F C1 C2	G D SD
NC – CT5 – 22	Basement storage room / crawlspace	1905 Building 1st floor	2' x 4' Ceiling tile – brown, ½" fibrous with tan face	60 SF	F C1 C2 RACM	G D SD
NC – WB4 – 23	Basement area, southwest corner in elevator lobby on the ceiling	1905 Building 1st floor	Spray-on popcorn coating – white, rough texture	9,000 SF	F C1 C2	G D SD
NC – CA3 – 24	Main locker room area, by the gym (tilt-up conc.)	1978 Building 1st floor	Caulk – gray smooth texture	200 LF	F C1 C2	G D SD
NC – CA3 – 25	Track area, on east wall, brick wall seams (brick joints)	1978 Building 3rd floor	Caulk – white, brittle, rough texture	450 LF	F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD
– –					F C1 C2	G D SD

2021 NOV -1 AM 10:
RECEIVED
EMSL
CINNAMINSON, NJ

OrderID: 042127746

Christy, Sherry 042127746

From: Cinnaminson-Asbestos
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login
Subject: FW: Point Count Request

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Thursday, December 30, 2021 7:58:29 PM (UTC+00:00) Monrovia, Reykjavik
To: EMSL Lab - Cinnaminson Asbestos <CinnAsblab@EMSL.com>
Subject: Point Count Request

[EXTERNAL E-MAIL]

Hi Sherry. I am hoping you can help me, I have a request for 24 hour TAT, point count 400 with grav. prep point count for two past lab reports. The first is for Terracon PN# 07207086 / EMSL Order #042127746, dated November 4, 2021, and the other is Terracon PN# 07207086 / EMSL Order # 042127713, dated November 4, 2021.

Steven Mack
Field Supervisor
Environmental Services
Terracon Consultants Inc.
870 – 40th Avenue | Bettendorf, IA. 52722
Mobile: (309) 236-1461
Steven.Mack@terracon.com

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Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.

Christy, Sherry

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Monday, January 3, 2022 7:49 AM
To: Christy, Sherry
Subject: Re: Point Count Request

[EXTERNAL E-MAIL]

Happy New Year! All positives 6% and below for both please. Thank you, Sherry.

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Christy, Sherry <schristy@EMSL.com>
Sent: Monday, January 3, 2022 6:05:25 AM
To: Mack, Steve M <Steve.Mack@terracon.com>
Subject: FW: Point Count Request

Good Morning Steve,

One more thing what samples do you want point counted? I see positives on there but not sure which ones you want? For both orders.

Thanks,

Sherry Christy | *Asbestos Sample and Logistics Coordinator*
EMSL Analytical, Inc. | 200 Route 130 North | Cinnaminson, NJ 08077
Phone: 856-303-2585 | Fax: 856-786-5973 | Toll Free: 800-220-3675

COVID-19 Update: *EMSL Analytical, Inc. remains open as an essential business. To view real-time status updates for each of our 46 laboratories in the US and Canada, download EMSL's free smart device application via the iTunes App Store - Apple or Google Play. APP updates are posted under Support / Lab Hours.*

Some of the resources EMSL Analytical, Inc. offers to our clients:
LABConnect | Order Products | Client Corner | Training | Additional Resources | Sampling Videos

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From: Cinnaminson-Asbestos <cinnasblabpublic@emsl.com>
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login <CorporateAsbestosLogin@emsl.com>
Subject: FW: Point Count Request

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Thursday, December 30, 2021 7:58:29 PM (UTC+00:00) Monrovia, Reykjavik
To: EMSL Lab - Cinnaminson Asbestos <CinnAsblab@EMSL.com>
Subject: Point Count Request

[EXTERNAL E-MAIL]

Hi Sherry. I am hoping you can help me, I have a request for 24 hour TAT, point count 400 with grav. prep point count for two past lab reports. The first is for Terracon PN# 07207086 / EMSL Order #042127746, dated November 4, 2021, and the other is Terracon PN# 07207086 / EMSL Order # 042127713, dated November 4, 2021.

Steven Mack
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200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042127746
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Attention: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone: (563) 355-0702
Fax: (319) 355-4789
Received Date: 11/04/2021 9:40 AM
Analysis Date: 11/10/2021
Collected Date:

Project: Former YMCA Building / 480 3rd Street / YMCA Building / 07207086 / Clinton, Iowa 52732 / Negative Confirmation Sampling

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
NC-CT3-01 *042127746-0001*	North Room in the Southeast Corner - 2'x2' Ceiling Tile, White Pinholes and Slight Texture	White Fibrous Heterogeneous	5% Cellulose 65% Min. Wool	26% Non-fibrous (Other)	4% Amosite
NC-CT1-02 *042127746-0002*	North Storage Closet Near the Doorway - 1'x1' Ceiling Tile Green with Brown Fiber Smooth Texture	Brown/Green Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
NC-CT4-03 *042127746-0003*	North Room, Southwest Area Near the Entrance - 2'x4' Ceiling Tile White Texture	White Fibrous Heterogeneous	40% Cellulose 30% Min. Wool	20% Perlite 10% Non-fibrous (Other)	None Detected
NC-FT1-04-Floor Tile *042127746-0004*	South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment - 9"x9" Floor Tile	Gray Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
NC-FT1-04-Mastic *042127746-0004A*	South Restroom, Southeast Corner, Under Sheet Flooring and Underlayment - Mastic	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FC1-05 *042127746-0005*	South Restroom, Center Area Near the Sinks - Vinyl Floor Sheeting Tan with Black and Gray Specks	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-PL1-06-Plaster Skim Coat *042127746-0006*	South Restroom South Wall Center Area Mid-Way Up the Wall - Plaster Skim Coat	White Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-PL1-06-Drywall *042127746-0006A*	South Restroom South Wall Center Area Mid-Way Up the Wall - Drywall	Gray Non-Fibrous Homogeneous	10% Cellulose	65% Gypsum 25% Non-fibrous (Other)	None Detected
NC-MS5-07-Ceramic Tile *042127746-0007*	North Restroom Center of Doorway Threshold - 1"x1" Ceramic Tile Gray	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-MS5-07-Grout *042127746-0007A*	North Restroom Center of Doorway Threshold - Grout	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-MS5-07-Adhesive *042127746-0007B*	North Restroom Center of Doorway Threshold - Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 11/10/2021 23:29:33

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200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042127746
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
NC-WB1-08-Drywall *042127746-0008*	Room 13 Northeast Wall Center Area in the Corner - Drywall	Gray/White Fibrous Heterogeneous	10% Cellulose <1% Glass	65% Gypsum 25% Non-fibrous (Other)	None Detected
NC-WB1-08-Joint Compound *042127746-0008A*	Room 13 Northeast Wall Center Area in the Corner - Joint Compound	White Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
NC-WB3-09 *042127746-0009*	Storage Room on the East Side the North Open Room - Drywall Compound	White Fibrous Heterogeneous	10% Cellulose <1% Glass	65% Gypsum 25% Non-fibrous (Other)	None Detected
NC-FC1-10-Vinyl Sheet Flooring *042127746-0010*	Elevated Running Track Near the Southeast Entrance to Track - Vinyl Sheet Flooring	Tan Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
NC-FC1-10-Mastic *042127746-0010A*	Elevated Running Track Near the Southeast Entrance to Track - Mastic	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FC5-11 *042127746-0011*	Gymnasium Floor Northeast Corner of Gym - Felt Paper Underlayment	Black Fibrous Homogeneous	85% Cellulose	15% Non-fibrous (Other)	None Detected
NC-MS5-12-Ceramic Tile *042127746-0012*	Center Swimming Pool on the Northwest Corner of the Pool - 1"x1" Ceramic Tile	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-MS5-12-Grout *042127746-0012A*	Center Swimming Pool on the Northwest Corner of the Pool - Grout	Gray Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-HP2-13 *042127746-0013*	Main Lobby Area, Center of Wall by the Southeast Stair Entrance - Plaster (Hard Finish) on Wood Lath	White Non-Fibrous Homogeneous		30% Quartz 15% Ca Carbonate 55% Non-fibrous (Other)	None Detected
NC-FT2-14-Floor Tile *042127746-0014*	Main Lobby Area, on North Side of the Center Counter on the Floor - 12"x12" Vinyl Floor Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FT2-14-Mastic *042127746-0014A*	Main Lobby Area, on North Side of the Center Counter on the Floor - Mastic	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-CA5-15 *042127746-0015*	East Stairwell Landing Above the Handrail Behind the Stair Wall Paneling - Caulk Beige Rough Texture	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
NC-FT5-16-Floor Tile *042127746-0016*	Main Lobby Area, Underneath a Layer of Floor Tile and Wood Underlayment - 9"x9" Floor Tile	Tan Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Initial report from: 11/10/2021 23:29:33

EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077
Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Attn: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone:	(563) 355-0702
Fax:	(319) 355-4789
Collected:	11/ 1/2021
Received:	11/04/2021
Analyzed:	1/04/2022

Proj: 07207086 / YMCA - Additional HA Sampling / Former YMCA / 480 3rd Street, Clinton, Iowa

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 1-CA3-01 ***Lab Sample ID:*** **042127713-0001**

Sample Description: North Room on the Northwest Side, Center Mid-Wall, behind Paneling/Caulk - Black, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	96.0%	**4% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Black	0.0%	96.2%	**3.8% Chrysotile**	System_ID:

Client Sample ID: 1-CA3-02 ***Lab Sample ID:*** **042127713-0002**

Sample Description: North Room, North Wall Center of Room/Caulk - Black, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	96.0%	**4% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Black	0.0%	95.4%	**4.6% Chrysotile**	System_ID:

Client Sample ID: 1-CA3-03 ***Lab Sample ID:*** **042127713-0003**

Sample Description: North Room, South Wall, Southeast Corner, Mid-Wall/Caulk - Black, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	0.0%	97.0%	**3% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Black	0.0%	95.7%	**4.3% Chrysotile**	System_ID:

Client Sample ID: 2-MG6-04 ***Lab Sample ID:*** **042127713-0004**

Sample Description: East Stairwell, between 1st and 2nd Floor, above the Stairs/Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 2-MG6-05 ***Lab Sample ID:*** **042127713-0005**

Sample Description: East Stairwell, between 1st and 2nd Floor, above the Stairs/Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 2-MG6-06 ***Lab Sample ID:*** **042127713-0006**

Sample Description: East Stairwell, between 1st and 2nd Floor, above the Stairs/Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Brown	0.0%	100.0%	None Detected	System_ID:

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

EMSL Order ID:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 3-FC3-07-Cove Base ***Lab Sample ID:*** **042127713-0007**

Sample Description: Main Lobby Area on the Southeast Wall, Near the Entrance Stairs/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-07-Glue ***Lab Sample ID:*** **042127713-0007A**

Sample Description: Main Lobby Area on the Southeast Wall, Near the Entrance Stairs/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-08-Cove Base ***Lab Sample ID:*** **042127713-0008**

Sample Description: Main Hallway on the West Wall, Near Restroom/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-08-Glue ***Lab Sample ID:*** **042127713-0008A**

Sample Description: Main Hallway on the West Wall, Near Restroom/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/White	0.0%	100.0%	**<1% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Brown/White	0.0%	100%	**<0.25% Chrysotile**	System_ID:

Client Sample ID: 3-FC3-09-Cove Base ***Lab Sample ID:*** **042127713-0009**

Sample Description: Main Front Hallway on the West End, Near the Stairs to 1905 Building/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 3-FC3-09-Glue ***Lab Sample ID:*** **042127713-0009A**

Sample Description: Main Front Hallway on the West End, Near the Stairs to 1905 Building/Cove Base - Gray with Yellow Glue

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-10-Brick ***Lab Sample ID:*** **042127713-0010**

Sample Description: Basement Area, Near Bottom of East Stairwell, above the North Room Entrance/2"x8" Brick Tan

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

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

EMSL Order ID:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 4-MA1-10-Mortar ***Lab Sample ID:*** **042127713-0010A**

Sample Description: Basement Area, Near Bottom of East Stairwell, above the North Room Entrance/Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-11-Brick ***Lab Sample ID:*** **042127713-0011**

Sample Description: North Room on the East Wall, In Duct Chase about Mid-Wall/2"x8" Brick Tan

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-11-Mortar ***Lab Sample ID:*** **042127713-0011A**

Sample Description: North Room on the East Wall, In Duct Chase about Mid-Wall/Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-12-Brick ***Lab Sample ID:*** **042127713-0012**

Sample Description: Main Front Hallway on the East Side, above the "1961" Granite Marker/2"x8" Brick Tan

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 4-MA1-12-Mortar ***Lab Sample ID:*** **042127713-0012A**

Sample Description: Main Front Hallway on the East Side, above the "1961" Granite Marker/Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 5-CA2-13 ***Lab Sample ID:*** **042127713-0013**

Sample Description: Main Front Lobby Area, Southwest Door Frame (Painted Gray)/Caulk - Gray Rough Exterior, Smooth Inner Material

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 5-CA2-14 ***Lab Sample ID:*** **042127713-0014**

Sample Description: Main Front Hallway, East Door Frame to the Lower Locker Rooms/Caulk - Gray Rough Exterior, Smooth Inner Material

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 5-CA2-15 ***Lab Sample ID:*** **042127713-0015**

Sample Description: Main Front Hallway, West Door Frame to the 1978 Building/Caulk - Gray Rough Exterior, Smooth Inner Material

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

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Phone/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order ID:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 6-MA1-16-Brick ***Lab Sample ID:*** **042127713-0016**

Sample Description: Main Front Hallway, by the East Stairwell Where Green Meets Black Brick/2"x8" Ceramic-Face Brick Aqua Green and Black, Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Green	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-16-Mortar ***Lab Sample ID:*** **042127713-0016A**

Sample Description: Main Front Hallway, by the East Stairwell Where Green Meets Black Brick/Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-17-Brick ***Lab Sample ID:*** **042127713-0017**

Sample Description: Main Front Hallway, Lower Section Where Black Brick Meets Granite Slab on East End/2"x8" Ceramic-Face Brick Aqua Green and Black, Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Green	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-17-Mortar ***Lab Sample ID:*** **042127713-0017A**

Sample Description: Main Front Hallway, Lower Section Where Black Brick Meets Granite Slab on East End/Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-18-Brick ***Lab Sample ID:*** **042127713-0018**

Sample Description: Main Front Hallway, West Side Lower End of Green Brick, 10' From Doors/2"x8" Ceramic-Face Brick Aqua Green and Black, Smooth Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Tan/Green	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 6-MA1-18-Mortar ***Lab Sample ID:*** **042127713-0018A**

Sample Description: Main Front Hallway, West Side Lower End of Green Brick, 10' From Doors/Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 7-FP1-19 ***Lab Sample ID:*** **042127713-0019**

Sample Description: Basement Area, North Room, West Corner by Heater/Spray-on Fireproofing, White Thick Popcorn Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 7-FP1-20 ***Lab Sample ID:*** **042127713-0020**

Sample Description: Basement Area, North Room Center, by Electrical Junction Box/Spray-on Fireproofing, White Thick Popcorn Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 7-FP1-21 ***Lab Sample ID:*** **042127713-0021**

Sample Description: Basement Area, North Room by the Entrance, East Side of Door/Spray-on Fireproofing, White Thick Popcorn Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-22-Insulation ***Lab Sample ID:*** **042127713-0022**

Sample Description: Basement Area, North Room, West Corner by Heater/Fiberglass Pipe Insulation Yellow Fiberglass with White Paper Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-22-Mastic ***Lab Sample ID:*** **042127713-0022A**

Sample Description: Basement Area, North Room, West Corner by Heater/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	30.0%	70.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-23-Insulation ***Lab Sample ID:*** **042127713-0023**

Sample Description: Basement Area, North Room by the Entrance, East Side of Door/Fiberglass Pipe Insulation Yellow Fiberglass with White Paper Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-23-Mastic ***Lab Sample ID:*** **042127713-0023A**

Sample Description: Basement Area, North Room by the Entrance, East Side of Door/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	30.0%	70.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-24-Insulation ***Lab Sample ID:*** **042127713-0024**

Sample Description: 1st Floor Boy's Restroom, Pipe Chase/Fiberglass Pipe Insulation Yellow Fiberglass with White Paper Face

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Yellow	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 8-PI4-24-Mastic ***Lab Sample ID:*** **042127713-0024A**

Sample Description: 1st Floor Boy's Restroom, Pipe Chase/Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White	30.0%	70.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-25-CMU Block ***Lab Sample ID:*** **042127713-0025**

Sample Description: Basement Area, North Mechanical Room, Right Side of Door on Corner/8"x16" CMU Block Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

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Client Sample ID: 9-MA2-25-Mortar **Lab Sample ID:** **042127713-0025A**

Sample Description: Basement Area, North Mechanical Room, Right Side of Door on Corner/Mortar Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-26-CMU Block **Lab Sample ID:** **042127713-0026**

Sample Description: 1st Floor Hallway Entrance to the Lower Locker Rooms, by Main Front Hallway/8"x16" CMU Block Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-26-Mortar **Lab Sample ID:** **042127713-0026A**

Sample Description: 1st Floor Hallway Entrance to the Lower Locker Rooms, by Main Front Hallway/Mortar Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-27-CMU Block **Lab Sample ID:** **042127713-0027**

Sample Description: Main Lobby Area, Next to the Front Closet Area, Mid-Wall/8"x16" CMU Block Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 9-MA2-27-Mortar **Lab Sample ID:** **042127713-0027A**

Sample Description: Main Lobby Area, Next to the Front Closet Area, Mid-Wall/Mortar Light Gray

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-28-Sheath **Lab Sample ID:** **042127713-0028**

Sample Description: 2nd Floor, above the Main Hallway on South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	75.0%	25.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-28-Insulator **Lab Sample ID:** **042127713-0028A**

Sample Description: 2nd Floor, above the Main Hallway on South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-29-Sheath **Lab Sample ID:** **042127713-0029**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	75.0%	25.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 10-WP6-29-Insulator ***Lab Sample ID:*** **042127713-0029A**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, South Side/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-30-Sheath ***Lab Sample ID:*** **042127713-0030**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, North/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	75.0%	25.0%	None Detected	System_ID:

Client Sample ID: 10-WP6-30-Insulator ***Lab Sample ID:*** **042127713-0030A**

Sample Description: 3rd Floor, above the Ceiling Tile in the Main Common Area, North/Electrical Wiring - Single Strand, Black Woven Sheath Run Through Ceramic Insulators

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-31-Sheath ***Lab Sample ID:*** **042127713-0031**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray/Black/Silver	72.0%	28.0%	None Detected	Result includes inseparable silver coating. System_ID:

Client Sample ID: 11-WP6-31-Insulator ***Lab Sample ID:*** **042127713-0031A**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-31-Insulator2 ***Lab Sample ID:*** **042127713-0031B**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-31-Insulation ***Lab Sample ID:*** **042127713-0031C**

Sample Description: 2nd Floor, Room 2 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-32-Sheath ***Lab Sample ID:*** **042127713-0032**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan/Black/Silver	72.0%	28.0%	None Detected	Result includes inseparable silver coating. System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 11-WP6-32-Insulator ***Lab Sample ID:*** **042127713-0032A**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-32-Insulator2 ***Lab Sample ID:*** **042127713-0032B**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-32-Insulation ***Lab Sample ID:*** **042127713-0032C**

Sample Description: 3rd Floor, Room 20 under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Sheath ***Lab Sample ID:*** **042127713-0033**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray/Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Insulator ***Lab Sample ID:*** **042127713-0033A**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Insulator 2 ***Lab Sample ID:*** **042127713-0033B**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	White	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 11-WP6-33-Insulation ***Lab Sample ID:*** **042127713-0033C**

Sample Description: 3rd Floor, Room 23under Carpet and Sub-Floor/Electrical Wiring - Double-Strand, Black Woven Sheath with Silver and Gray Coating

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Brown	95.0%	5.0%	None Detected	System_ID:

Client Sample ID: 12-MG7-34 ***Lab Sample ID:*** **042127713-0034**

Sample Description: Southeast Entrance Area, Under Carpet Squares on Marble Circle Design Floor/Carpet Adhesive - Yellow, Rough Texture, Sticky

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 12-MG7-35 ***Lab Sample ID:*** **042127713-0035**

Sample Description: Main Lobby Area, Southeast Stairwell Kickboards/Carpet Adhesive - Yellow, Rough Texture, Sticky

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 12-MG7-36 ***Lab Sample ID:*** **042127713-0036**

Sample Description: Main Lobby Area, on Flooring Next to Southwest Elevator Entrance/Carpet Adhesive - Yellow, Rough Texture, Sticky

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-37-CMU ***Lab Sample ID:*** **042127713-0037**

Sample Description: Lower Level Locker Room Lobby, Between Men's and Women's Locker Rooms/6"x12" CMU Glaze Faced Block

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-37-Mortar ***Lab Sample ID:*** **042127713-0037A**

Sample Description: Lower Level Locker Room Lobby, Between Men's and Women's Locker Rooms/Light Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-38-CMU ***Lab Sample ID:*** **042127713-0038**

Sample Description: Women's Locker Room by West Wall, Lower Wall, Center/6"x12" CMU Glaze Faced Block

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-38-Mortar ***Lab Sample ID:*** **042127713-0038A**

Sample Description: Women's Locker Room by West Wall, Lower Wall, Center/Light Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-39-CMU ***Lab Sample ID:*** **042127713-0039**

Sample Description: Men's Locker Room, South Wall before Pool Entrance/6"x12" CMU Glaze Faced Block

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Tan	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 13-MA2-39-Mortar ***Lab Sample ID:*** **042127713-0039A**

Sample Description: Men's Locker Room, South Wall before Pool Entrance/Light Gray Mortar

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	100.0%	None Detected	System_ID:

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Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

Client Sample ID: 14-FC3-40-Cove Base ***Lab Sample ID:*** **042127713-0040**

Sample Description: Lower Locker Room Entrance in Main Front Hallway, at Top of Stair Landing/Cove Base Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-40-Mastic ***Lab Sample ID:*** **042127713-0040A**

Sample Description: Lower Locker Room Entrance in Main Front Hallway, at Top of Stair Landing/Brown and Yellow Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-41-Cove Base ***Lab Sample ID:*** **042127713-0041**

Sample Description: Main Lobby Area, Down the West Hallway/Cove Base Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-41-Mastic ***Lab Sample ID:*** **042127713-0041A**

Sample Description: Main Lobby Area, Down the West Hallway/Brown and Yellow Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-42-Cove Base ***Lab Sample ID:*** **042127713-0042**

Sample Description: Main Lobby Area, on South Wall Near the East Doorway/Cove Base Black

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Black	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 14-FC3-42-Mastic ***Lab Sample ID:*** **042127713-0042A**

Sample Description: Main Lobby Area, on South Wall Near the East Doorway/Brown and Yellow Mastic

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Brown/Yellow	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 15-CA1-43 ***Lab Sample ID:*** **042127713-0043**

Sample Description: Room 18, Exterior Window Caulk around Window Frame/Caulk- Gray Weathered, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Asbestos Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Brown/Gray	0.0%	94.0%	**6% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Brown/Gray	0.4%	99.6%	**<0.25% Chrysotile**	System_ID:

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Client Sample ID: 15-CA1-44 ***Lab Sample ID:*** **042127713-0044**

Sample Description: Southeast Room, South Wall, Exterior Window Caulk around Window Frame/Caulk- Gray Weathered, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/10/2021	Gray	0.0%	100.0%	None Detected	System_ID:

Client Sample ID: 15-CA1-45 ***Lab Sample ID:*** **042127713-0045**

Sample Description: Exterior North Wall, Center, around Exhaust Vent/Caulk- Gray Weathered, Rough Texture

TEST	Analyzed Date	Color	Non-Asbestos Fibrous	Non-Fibrous	Asbestos	Comment
PLM	11/11/2021	Gray	0.0%	95.0%	**5% Chrysotile**	System_ID:
400 PLM PtCt Grav. Red.	1/04/2022	Gray	1.0%	97.1%	**1.9% Chrysotile**	System_ID:

Analyst(s):

Alex Francois	PLM (52)
Nancy Stalter	PLM (26)
Paige Havener	400 PLM PtCt Grav. Red (6)

Reviewed and approved by:

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 01/04/202223:11:48 Replaces amended report from: 12/07/202109:42:00 Reason Code: Client-Additional Analysis

Terracon

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042127713

Select a Laboratory:

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

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21 DEC -7 AM 9:38

Lab Location: HQ - Cinnaminson, NJ 101048-0

Project Name:	YMCA – Additional HA Sampling	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 – 3rd Street	**City/State / Zip:**	Clinton, Iowa	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	Former YMCA	**Batch:**	Additional HA Sampling	**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
1 – CA3 – 01	North room on the northwest side, center mid-wall, behind paneling	1905 Building 2nd Floor	Caulk – black, rough texture	350 LF	F C1 C2	G D SD
1 – CA3 – 02	North room, north wall center of room					
1 – CA3 – 03	North room, south wall, southeast corner, mid-wall					
2 – MG6 – 04	East stairwell, between 1st and 2nd floor, above the stairs	1905 Building, East stairs	Glue pucks associated with 1' x 1' ceiling tile – light brown, smooth	120 LF	F C1 C2	G D SD
2 – MG6 – 05	East stairwell, between 1st and 2nd floor, above the stairs					
2 – MJ3 – 06	East stairwell, between 1st and 2nd floor, above the stairs					
3 – FC3 – 07	Main lobby area on the southeast wall, near the entrance stairs	1905 Building, 1st floor	Cove base and mastic – gray with yellow glue and mastic	1,000 LF	F C1 C2	G D SD
3 – FC3 – 08	Main hallway on the west wall, near restroom	1905 Building, 2nd floor				
3 – FC3 – 09	Main front hallway on the west end, near the stairs to 1905 building	1961 Building 1st floor				
4 – MA1 – 10	Basement area, near bottom of east stairwell, above the north room entrance	1905 Building, Basement	2" x 8" Brick and mortar – tan with gray mortar	Throughout all buildings	F C1 C2	G D SD
4 – MA1 – 11	North room on the east wall, in duct chase about mid-wall	1905 Building, 1st floor				
4 – MA1 – 12	Main front hallway on the east side, above the "1961" granite marker	1961 Building 1st floor				
5 – CA2 – 13	Main front lobby area, southwest door frame (painted gray)	1905 Building, 1st floor	Caulk – gray rough exterior, smooth inner material	200 LF	F C1 C2	G D SD
5 – CA2 – 14	Main front hallway, east door frame to the lower locker rooms	1961 Building				
5 – CA2 – 15	Main front hallway, west door frame to the 1978 building	1st floor				

Sampling Date: November 01, 2021 **Collected by (print):** Steven Mack **Inspector's Signature:**

Relinquished by: Steven Mack **Date/Time:** 11/03/2021 **Received by:** FX **Date/Time:** 11/4/21 940 AM

Analysis: PLM EPA 600/R-93/116 ☒ PLM 400 Point Count ☐ TEM ☐ Other _____

Turnaround Time: 3 Hrs ☐ 24 Hrs ☐ 2 Days ☐ 3 Days ☒ 5 Days ☐ Other _____

Instructions:

Terracon ARMS: ☒ **Stop Positive:** ☐ **Number of samples:** _____

[1] F = Friable; C1 = Category I; packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable; any materials other than Cat. I containing >1% asbestos

OrderID: 042127713

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

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Lab Order ID: 042127713
Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
6 – MA1 – 16	Main front hallway, by the east stairwell where green meets black brick	1961 Building, 1st floor	2" x 8" Ceramic-face brick and mortar – aqua green and black, smooth texture	1,800 SF	F C1 C2	G D SD
6 – MA1 – 17	Main front hallway, lower section where black brick meets granite slab on east end					
6 – MA1 – 18	Main front hallway, west side lower end of green brick, 10' from doors					
7 – FP1 – 19	Basement area, north room, west corner by heater	1905 Building, basement	Spray-on Fireproofing – white thick popcorn texture	1,200 SF	F C1 C2 RACM	G D SD
7 – FP1 – 20	Basement area, north room center, by electrical junction box					
7 – FP1 – 21	Basement area, north room by the entrance, east side of door					
8 – PI4 – 22	Basement area, north room, west corner by heater	1905 Building, basement and 1st floor	Fiberglass pipe insulation and mastic – yellow fiberglass with white paper face and mastic	1,500 SF	F C1 C2 RACM	G D SD
8 – PI4 – 23	Basement area, north room by the entrance, east side of door					
8 – PI4 – 24	1st Floor boy's restroom, pipe chase					
9 – MA2 – 25	Basement area, north mechanical room, right side of door on corner	1905 Building, basement	8" x 16" CMU block and mortar – gray with light gray mortar	Throughout buildings	F C1 C2	G D SD
9 – MA2 – 26	1st Floor hallway entrance to the lower locker rooms, by main front hallway	1961 Building, 1st floor				
9 – MA2 – 27	Main lobby area, next to the front closet area, mid-wall	1978 Building, 1st floor				
10 – WP6 – 28	2nd Floor, above the main hallway on south side	1905 Building, 2nd and 3rd floor	Electrical wiring – single-strand, black woven sheath run through ceramic insulators	500 LF	F C1 C2	G D SD
10 – WP6 – 29	3rd Floor, above the ceiling tile in the main common area, south side					
10 – WP6 – 30	3rd Floor, above the ceiling tile in the main common area, north side					
11 – WP6 – 31	2nd Floor, room 2 under carpet and sub-floor	1905 Building, 2nd & 3rd floor	Electrical wiring – double-strand, black woven sheath with silver and gray coating	1,000 LF	F C1 C2	G D SD
11 – WP6 – 32	3rd Floor, room 20 under carpet and sub-floor					
11 – WP6 – 33	3rd Floor, room 23 under carpet and sub-floor					

Order ID: 042127713

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
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Asbestos Bulk Sample and Chain of Custody Form

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Lab Order ID: 0421273

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification			Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
HA	BS Code	Sample #						
12	MG7	34	Southeast entrance area, under carpet squares on marble circle design floor	1905 Building, 1st floor	Carpet adhesive – yellow, rough texture, sticky	6,000 SF	F C1 C2	G D SD
12	MG7	35	Main lobby area, southeast stairwell kickboards					
12	MG7	36	Main lobby area, on flooring next to southwest elevator entrance					
13	MA2	37	Lower level locker room lobby, between men's and women's locker rooms	1961 Building, basement	6" x 12" CMU and mortar – glaze-faced block, with light gray mortar	5,000 SF	F C1 C2	G D SD
13	MA2	38	Women's locker room by west wall, lower wall, center					
13	MA2	39	Men's locker room, south wall before pool entrance					
14	FC3	40	Lower locker room entrance in main front hallway, at top of stair landing	1961 Building, 1st floor	Cove base and mastic – black with brown and yellow mastic	500 LF	F C1 C2	G D SD
14	FC3	41	Main lobby area, down the west hallway	1978 Building, 1st floor				
14	FC3	42	Main lobby area, on south wall near the east doorway	1978 Building, 1st floor				
15	CA1	43	Room 18, exterior window caulk around window frame	1905 Building, 3rd floor	Caulk – gray, weathered, rough texture	4,700 SF	F C1 C2	G D SD
15	CA1	44	Southeast room, south wall, exterior window caulk around window frame	1905 Building, 1st floor				
15	CA1	45	Exterior north wall, center, around exhaust vent	1961 Building, Exhaust				
–	–						F C1 C2	G D SD
–	–							
–	–							
–	–						F C1 C2	G D SD
–	–							
–	–							

OrderID: 042127713

Christy, Sherry 042127713

From: Cinnaminson-Asbestos
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login
Subject: FW: Point Count Request

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Thursday, December 30, 2021 7:58:29 PM (UTC+00:00) Monrovia, Reykjavik
To: EMSL Lab - Cinnaminson Asbestos <CinnAsblab@EMSL.com>
Subject: Point Count Request

[EXTERNAL E-MAIL]

Hi Sherry. I am hoping you can help me, I have a request for 24 hour TAT, point count 400 with grav. prep point count for two past lab reports. The first is for Terracon PN# 07207086 / EMSL Order #042127746, dated November 4, 2021, and the other is Terracon PN# 07207086 / EMSL Order # 042127713, dated November 4, 2021.

Steven Mack
Field Supervisor
Environmental Services
Terracon Consultants Inc.
870 – 40th Avenue | Bettendorf, IA. 52722
Mobile: (309) 236-1461
Steven.Mack@terracon.com

Terracon provides environmental, facilities, geotechnical, and materials consulting engineering services delivered with responsiveness, resourcefulness, and reliability.

Private and confidential as detailed here (www.terracon.com/disclaimer). If you cannot access the hyperlink, please e-mail sender.

Christy, Sherry

From: Mack, Steve M <Steve.Mack@terracon.com>
Sent: Monday, January 3, 2022 7:49 AM
To: Christy, Sherry
Subject: Re: Point Count Request

[EXTERNAL E-MAIL]

Happy New Year! All positives 6% and below for both please. Thank you, Sherry.

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Christy, Sherry <schristy@EMSL.com>
Sent: Monday, January 3, 2022 6:05:25 AM
To: Mack, Steve M <Steve.Mack@terracon.com>
Subject: FW: Point Count Request

Good Morning Steve,

One more thing what samples do you want point counted? I see positives on there but not sure which ones you want? For both orders.

Thanks,

Sherry Christy | *Asbestos Sample and Logistics Coordinator*
EMSL Analytical, Inc. | 200 Route 130 North | Cinnaminson, NJ 08077
Phone: 856-303-2585 | Fax: 856-786-5973 | Toll Free: 800-220-3675

COVID-19 Update: *EMSL Analytical, Inc. remains open as an essential business. To view real-time status updates for each of our 46 laboratories in the US and Canada, download EMSL's free smart device application via the iTunes App Store - Apple or Google Play. APP updates are posted under Support / Lab Hours.*

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LABConnect | Order Products | Client Corner | Training | Additional Resources | Sampling Videos

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From: Cinnaminson-Asbestos <cinnasblabpublic@emsl.com>
Sent: Thursday, December 30, 2021 2:59 PM
To: Corporate - Asbestos Login <CorporateAsbestosLogin@emsl.com>
Subject: FW: Point Count Request

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200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042127713
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Attention: Kathy Toft
Terracon Consultants, Inc.
870 40th Avenue
Bettendorf, IA 52722

Phone: (563) 355-0702
Fax: (319) 355-4789
Received Date: 11/04/2021 9:40 AM
Analysis Date: 11/10/2021 - 11/11/2021
Collected Date: 11/01/2021

Project: 07207086 / YMCA - Additional HA Sampling / Former YMCA / 480 3rd Street, Clinton, Iowa

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
1-CA3-01 *042127713-0001*	North Room on the Northwest Side, Center Mid-Wall, behind Paneling - Caulk - Black, Rough Texture	Black Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
1-CA3-02 *042127713-0002*	North Room, North Wall Center of Room - Caulk - Black, Rough Texture	Black Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
1-CA3-03 *042127713-0003*	North Room, South Wall, Southeast Corner, Mid-Wall - Caulk - Black, Rough Texture	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
2-MG6-04 *042127713-0004*	East Stairwell, between 1st and 2nd Floor, above the Stairs - Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-MG6-05 *042127713-0005*	East Stairwell, between 1st and 2nd Floor, above the Stairs - Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2-MG6-06 *042127713-0006*	East Stairwell, between 1st and 2nd Floor, above the Stairs - Glue Pucks associated with 1'x1' Ceiling Tile - Light Brown, Smooth	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-07-Cove Base *042127713-0007*	Main Lobby Area on the Southeast Wall, Near the Entrance Stairs - Cove Base - Gray with Yellow Glue	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-07-Glue *042127713-0007A*	Main Lobby Area on the Southeast Wall, Near the Entrance Stairs - Cove Base - Gray with Yellow Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-08-Cove Base *042127713-0008*	Main Hallway on the West Wall, Near Restroom - Cove Base - Gray with Yellow Glue	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Report amended: 12/07/2021 09:42:00 Replaces initial report from: 11/11/2021 08:57:35 Reason Code: Client-Change to Project

EMSL Analytical, Inc.
200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order: 042127713
Customer ID: TEI93
Customer PO: 07207086
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
3-FC3-08-Glue *042127713-0008A*	Main Hallway on the West Wall, Near Restroom - Cove Base - Gray with Yellow Glue	Brown/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	<1% Chrysotile
3-FC3-09-Cove Base *042127713-0009*	Main Front Hallway on the West End, Near the Stairs to 1905 Building - Cove Base - Gray with Yellow Glue	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-FC3-09-Glue *042127713-0009A*	Main Front Hallway on the West End, Near the Stairs to 1905 Building - Cove Base - Gray with Yellow Glue	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-10-Brick *042127713-0010*	Basement Area, Near Bottom of East Stairwell, above the North Room Entrance - 2"x8" Brick Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-10-Mortar *042127713-0010A*	Basement Area, Near Bottom of East Stairwell, above the North Room Entrance - Gray Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-11-Brick *042127713-0011*	North Room on the East Wall, In Duct Chase about Mid-Wall - 2"x8" Brick Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-11-Mortar *042127713-0011A*	North Room on the East Wall, In Duct Chase about Mid-Wall - Gray Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-12-Brick *042127713-0012*	Main Front Hallway on the East Side, above the "1961" Granite Marker - 2"x8" Brick Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-MA1-12-Mortar *042127713-0012A*	Main Front Hallway on the East Side, above the "1961" Granite Marker - Gray Mortar	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-CA2-13 *042127713-0013*	Main Front Lobby Area, Southwest Door Frame (Painted Gray) - Caulk - Gray Rough Exterior, Smooth Inner Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-CA2-14 *042127713-0014*	Main Front Hallway, East Door Frame to the Lower Locker Rooms - Caulk - Gray Rough Exterior, Smooth Inner Material	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Report amended: 12/07/2021 09:42:00 Replaces initial report from: 11/11/2021 08:57:35 Reason Code: Client-Change to Project

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Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042127713
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
15-CA1-43 *042127713-0043*	Room 18, Exterior Window Caulk around Window Frame - Caulk- Gray Weathered, Rough Texture	Brown/Gray Fibrous Heterogeneous		94% Non-fibrous (Other)	6% Chrysotile
15-CA1-44 *042127713-0044*	Southeast Room, South Wall, Exterior Window Caulk around Window Frame - Caulk- Gray Weathered, Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-CA1-45 *042127713-0045*	Exterior North Wall, Center, around Exhaust Vent - Caulk- Gray Weathered, Rough Texture	Gray Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Analyst(s)
Alex Francois (52)
Nancy Stalter (26)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Report amended: 12/07/2021 09:42:00 Replaces initial report from: 11/11/2021 08:57:35 Reason Code: Client-Change to Project

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

EMSL Order:	042200836
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Attention:	James Baxter	**Phone:**	(563) 468-4271
	Terracon Consultants, Inc.	**Fax:**	(319) 355-4789
	870 40th Avenue	**Received Date:**	01/17/2022 8:45 AM
	Bettendorf, IA 52722	**Analysis Date:**	01/17/2022
		Collected Date:	01/13/2022

Project: 07207086 / Clinton - YMCA / 480 South 3rd Street Clinton, Iowa 52732 / Former YMCA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16-RF6-46-Tar Paper *042200836-0001*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	10% Cellulose 40% Glass	50% Non-fibrous (Other)	None Detected
16-RF6-46-Foam *042200836-0001A*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-46-Insulation *042200836-0001B*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	70% Cellulose	10% Perlite 20% Non-fibrous (Other)	None Detected
16-RF6-46-Rubber Membrane *042200836-0001C*	1905 Building, Roof 2 - Southeast End by East Wall, Between the two SE Windows - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-47-Tar Paper *042200836-0002*	1905 Building, Lower Roof 2, South End, SE Side between Exhaust Vent and Wall - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	15% Cellulose 40% Glass	45% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

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200 Route 130 North Cinnaminson, NJ 08077
Tel/Fax: (800) 220-3675 / (856) 786-5974
http://www.EMSL.com / cinnasblab@EMSL.com

EMSL Order:	042200836
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16-RF6-47-Foam *042200836-0002A*	1905 Building, Lower Roof 2, South End, SE Side between Exhaust Vent and Wall - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-47-Insulation *042200836-0002B*	1905 Building, Lower Roof 2, South End, SE Side between Exhaust Vent and Wall - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Brown Fibrous Homogeneous	70% Cellulose	15% Perlite 15% Non-fibrous (Other)	None Detected
16-RF6-48-Tar Paper *042200836-0003*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
16-RF6-48-Foam *042200836-0003A*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-RF6-48-Insulation *042200836-0003B*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	Brown Fibrous Homogeneous	80% Cellulose	10% Perlite 10% Non-fibrous (Other)	None Detected
16-RF6-48-Gypsum Board *042200836-0003C*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected

Initial report from: 01/17/2022 13:40:05

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EMSL Order:	042200836
Customer ID:	TEI93
Customer PO:	07207086
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
16-RF6-48-Backing *042200836-0003D*	1961 Building, Roof 3 - East Side Central Area, Next to the Access Wall-Ladder - Built-up Roof - Black Tar Paper w/ Felt Paper, Yellow Foam Insulation & White Gypsum Board	White Fibrous Homogeneous	70% Synthetic	30% Non-fibrous (Other)	None Detected
17-WP1-49 *042200836-0004*	1905 Basement Mechanical Room (Room B-7), South Elevated Unit - Vibration Cloth - White, Woven Canvas Type Material	White Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
17-WP1-50 *042200836-0005*	1905 Building Pool Mechanical Room, Central Elevated Duct Unit - Vibration Cloth - White, Woven Canvas Type Material	White Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
17-WP1-51 *042200836-0006*	2nd Floor Mechanical Room, South Air Handler Unit, South Wall Central Area - Vibration Cloth - White, Woven Canvas Type Material	White Fibrous Homogeneous	20% Cellulose	45% Non-fibrous (Other)	35% Chrysotile
18-MA5-52-Tile Slabs *042200836-0007*	1905 Building 1st Floor South Entryway, Top of Stair Landing, East Side Top of Slab - Marble Tile Slabs	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-52-Thin-Set *042200836-0007A*	1905 Building 1st Floor South Entryway, Top of Stair Landing, East Side Top of Slab - Thin-Set	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-53-Tile Slabs *042200836-0008*	1905 Building 1st Floor East Entryway, Lower Landing, South Side of Door, Centered - Marble Tile Slabs	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-53-Thin-Set *042200836-0008A*	1905 Building 1st Floor East Entryway, Lower Landing, South Side of Door, Centered - Thin-Set	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-54-Tile Slabs *042200836-0009*	1905 Building 1st Floor East Entryway, Lower Landing, South S ide of Door, Bottom - Marble Tile Slabs	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-MA5-54-Thin-Set *042200836-0009A*	1905 Building 1st Floor East Entryway, Lower Landing, South S ide of Door, Bottom - Thin-Set	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
19-MA5-55-Ceramic Block *042200836-0010*	1905 Sub-Level Women's Locker Room, NW Side Next to Steam Room, by Electrical Box - 5"x12" Ceramic Block - Off-White with Brown Specks	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-55-Grout *042200836-0010A*	1905 Sub-Level Women's Locker Room, NW Side Next to Steam Room, by Electrical Box - Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-56-Ceramic Block *042200836-0011*	1905 Sub-Level Women's Locker Room, NW Shower Room by South Drain Area - 5"x12" Ceramic Block - Off-White with Brown Specks	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-56-Grout *042200836-0011A*	1905 Sub-Level Women's Locker Room, NW Shower Room by South Drain Area - Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-57-Ceramic Block *042200836-0012*	1905 Sub-Level Women's Locker Room, North-Central Area above the West Sink - 5"x12" Ceramic Block - Off-White with Brown Specks	Brown/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-MA5-57-Grout *042200836-0012A*	1905 Sub-Level Women's Locker Room, North-Central Area above the West Sink - Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-58-Ceramic Block *042200836-0013*	1905 Sub-Level Women's Locker Room, South End by Central Entrance, by Sinks - 5"x12" Ceramic Block Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-58-Grout *042200836-0013A*	1905 Sub-Level Women's Locker Room, South End by Central Entrance, by Sinks - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-59-Ceramic Block *042200836-0014*	1961 Building, Large Pool Room, NW Corner by Entrance to Small Pool Room - 5"x12" Ceramic Block Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-59-Grout *042200836-0014A*	1961 Building, Large Pool Room, NW Corner by Entrance to Small Pool Room - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
20-MA5-60-Ceramic Block *042200836-0015*	1961 Building, 2nd Floor Gym, SW Corner Doorway, at Upper Right Door Jamb - 5"x12" Ceramic Block Tan	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-MA5-60-Grout *042200836-0015A*	1961 Building, 2nd Floor Gym, SW Corner Doorway, at Upper Right Door Jamb - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-61-Tile *042200836-0016*	Men's Locker Room, NE Corner of Men's Shower Room at the North End of Drain - 5"x12" Quarry Tile - Dark Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-61-Thin-Set *042200836-0016A*	Men's Locker Room, NE Corner of Men's Shower Room at the North End of Drain - Thin-Set	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-61-Grout *042200836-0016B*	Men's Locker Room, NE Corner of Men's Shower Room at the North End of Drain - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-62-Tile *042200836-0017*	Men's Locker Room, NW Corner of Men's Shower Room Exit to Pool, by the Drain - 5"x12" Quarry Tile - Dark Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-62-Thin-Set *042200836-0017A*	Men's Locker Room, NW Corner of Men's Shower Room Exit to Pool, by the Drain - Thin-Set	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-62-Grout *042200836-0017B*	Men's Locker Room, NW Corner of Men's Shower Room Exit to Pool, by the Drain - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-63-Tile *042200836-0018*	Men's Locker Room, SE Corner of the Shower Room, South End of the Drain - 5"x12" Quarry Tile - Dark Brown	Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-63-Thin-Set *042200836-0018A*	Men's Locker Room, SE Corner of the Shower Room, South End of the Drain - Thin-Set	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-MA3-63-Grout *042200836-0018B*	Men's Locker Room, SE Corner of the Shower Room, South End of the Drain - Gray Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Customer ID:	TEI93
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Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
22-CP1-64 *042200836-0019*	1961 Building, Large Pool Room, NW Corner of Ceiling Near Entrance to Small Pool Room - 2'x2' Ceramic Board - Gray Smooth and Peg Board Style Panels	Gray Fibrous Homogeneous		82% Non-fibrous (Other)	18% Chrysotile
22-CP1-65 *042200836-0020*	1961 Building, Large Pool Room, NE Corner of Ceiling Near Entry to Pool Storage Room - 2'x2' Ceramic Board - Gray Smooth and Peg Board Style Panels	Gray Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
22-CP1-66 *042200836-0021*	1961 Building, Large Pool Room, SE Corner of Ceiling Near Entry to Girl's Locker Room - 2'x2' Ceramic Board - Gray Smooth and Peg Board Style Panels	Gray Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
23-WP1-67 *042200836-0022*	3rd Floor Mechanical Room, West Side of Room on Exhaust Fan #3, East Side - Vibration Cloth - Green, Woven Canvas Type Material	Gray/Green Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
23-WP1-68 *042200836-0023*	3rd Floor Mechanical Room, East Side by Door, on Air Handler Unit for Handball Courts - Vibration Cloth - Green, Woven Canvas Type Material	Gray/Green Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
23-WP1-69 *042200836-0024*	3rd Floor Mechanical Room, South-Central Wall on Small, Elevated Tank - Vibration Cloth - Green, Woven Canvas Type Material	Gray/Green Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
24-MA5-70-Tile *042200836-0025*	1905 Building 1st Floor, Room 1-1, Lobby Area South Entry at Top South Stair Landing, Center Area - Marble Tile - White Round Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-70-Grout *042200836-0025A*	1905 Building 1st Floor, Room 1-1, Lobby Area South Entry at Top South Stair Landing, Center Area - Black Grout	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
24-MA5-71-Tile *042200836-0026*	1905 Building 1st Floor, Room 1-1, East Stairs Lower Landing, North End at Top of Steps - Marble Tile - White Round Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-71-Grout *042200836-0026A*	1905 Building 1st Floor, Room 1-1, East Stairs Lower Landing, North End at Top of Steps - Black Grout	Gray/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-72-Tile *042200836-0027*	1905 Building Basement, Elevator Room (B-9) at Doorway Threshold, Centered - Marble Tile - White Round Tile	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
24-MA5-72-Grout *042200836-0027A*	1905 Building Basement, Elevator Room (B-9) at Doorway Threshold, Centered - Black Grout	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-73-Skim Coat *042200836-0028*	1905 Building, Exterior North Wall, Under the Red Fire Escape Under the Yellow Brick - Concrete Skim Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-73-Texture *042200836-0028A*	1905 Building, Exterior North Wall, Under the Red Fire Escape Under the Yellow Brick - Gray Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-74-Skim Coat *042200836-0029*	1905 Building, Exterior North Wall, East Corner by Exposed Limestone Block - Concrete Skim Coat				Layer Not Present
25-MA5-74-Texture *042200836-0029A*	1905 Building, Exterior North Wall, East Corner by Exposed Limestone Block - Gray Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-75-Skim Coat *042200836-0030*	1905 Building, Exterior East Wall, at NE Corner of Building by Exposed Limestone Block - Concrete Skim Coat	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-MA5-75-Texture *042200836-0030A*	1905 Building, Exterior East Wall, at NE Corner of Building by Exposed Limestone Block - Gray Rough Texture	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
26-SC2-76 *042200836-0031*	1978 Building Exterior, South Wall Center, Where Sidewalk Meets Concrete Wall - Tar Sealant - Black, Smooth Texture	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-SC2-77 *042200836-0032*	1978 Building Exterior, South Wall SW Corner, Where Sidewalk Meets Concrete Wall - Tar Sealant - Black, Smooth Texture	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
26-SC2-78 *042200836-0033*	1978 Building Exterior, West Wall Center, Where Sidewalk Meets Concrete Wall - Tar Sealant - Black, Smooth Texture	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27-WP1-79 *042200836-0034*	1961 Building, 2nd Floor Mechanical Room, SW Corner of Room on Upper Air Handler Unit - Vibration Cloth - Red Woven Canvas Type Material	Red Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
27-WP1-80 *042200836-0035*	1961 Building, 2nd Floor Mechanical Room, NW Corner of Room on Copper Fan Duct - Vibration Cloth - Red Woven Canvas Type Material	Red Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
27-WP1-81 *042200836-0036*	1961 Building, 2nd Floor Mechanical Room, NW Corner on East Side, on Gray Duct by Wall - Vibration Cloth - Red Woven Canvas Type Material	Red Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
7-FP1-82 *042200836-0037*	1905 Building Basement, North Room (B-6), East Wall by Mech. Room, by 2nd Steel Column - Spray-on Fireproofing - White Thick, Rough Texture, Popcorn Style	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7-FP1-83 *042200836-0038*	1905 Building Basement, North Room (B-6), East Wall, NE Corner by End of Duct Work - Spray-on Fireproofing - White Thick, Rough Texture, Popcorn Style	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
7-FP1-84 *042200836-0039*	1905 Building Basement, North Room (B-6), South Wall, SW Corner of B-6 by Speaker - Spray-on Fireproofing - White Thick, Rough Texture, Popcorn Style	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Gabrielle DiDonato (37)
Michelle Quach (31)

Samantha Rundstrom, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NJ DEP 03036, PA ID# 68-00367, LA #04127

Initial report from: 01/17/2022 13:40:05

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 04220083 6

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Project Name:	Clinton - YMCA	**Project Number:**	07207086	**Project Manager:**	James Baxter DNU as SM contact
Project Address:	480 South 3rd Street	**City/State / Zip:**	Clinton, Iowa 52732	**Email Results/Invoice/Sample Confirmation To:**	Steve.Mack@terracon.com James.Baxter@terracon.com
Site/Building:	Former YMCA		Additional HA's (cont.)	**EMSL Login: Enter Customer Contact as:**	Kathy.Toft@terracon.com

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP Classification[1]	Notes/Physical Condition[2]
16 – RF6 – 46	1905 Building, roof 2 – southeast end by east wall, between the two SE windows	1905, 1961, and 1978 building roofs	Built-up roof – black tar paper w/felt paper, yellow foam insulation, & white gypsum board	26,000 SF	F **C1** C2	G **D** SD
16 – RF6 – 47	1905 Building, lower roof 2 – south end, SE side between exhaust vent and wall					
16 – RF6 – 48	1961 Building, roof 3 – east side central area, next to the access wall-ladder					
17 – WP1 – 49	1905 basement mechanical room (room B-7), south elevated unit	1905 and 1961 Buildings	Vibration cloth – white, woven canvas type material	13 Units	F C1 **C2**	G **D** SD
17 – WP1 – 50	1905 Building pool mechanical room, central elevated duct unit					
17 – WP1 – 51	2nd Floor mechanical room, south air handler unit, south wall central area					
18 – MA5 – 52	1905 Building 1st floor south entryway, top of stair landing, east side top of slab	1905 Building	Marble tile slabs and associated thin set -	400 SF	F C1 **C2**	**G** D SD
18 – MA5 – 53	1905 Building 1st floor east entryway, lower landing, south side of door, centered					
18 – MA5 – 54	1905 Building 1st floor east entryway, lower landing, south side of door, bottom					
19 – MA5 – 55	1905 Sub-level women's locker room, NW side next to steam room, by electrical box	1905 Building	5" x 12" Ceramic block and grout – off-white with brown specks	1,000 SF	F C1 **C2**	**G** D SD
19 – MA5 – 56	1905 Sub-level women's locker room, NW shower room by south drain area					
19 – MA5 – 57	1905 Sub-level women's locker room, North-central area above the west sink					
20 – MA5 – 58	1905 Sub-level women's locker room, south end by central entrance, by sinks	1905 and 1961 Buildings	5" x 12" Ceramic block and grout – tan w/gray grout	2,200 SF	F C1 **C2**	**G** D SD
20 – MA5 – 59	1961 Building, large pool room, NW corner by entrance to small pool room					
20 – MA5 – 60	1961 Building, 2nd floor gym, SW corner doorway, at upper right door jamb					

RECEIVED
22 JAN 17 AM 8:59
EMSL
CINNAMINSON NJ

Sampling Date: January 13, 2022 **Collected by (print):** Steven Mack **Inspector's Signature:** Steven Mack

Relinquished by: Steven Mack **Date/Time:** 1/13/2022 **Received by:** KD EMSL FX 8:45AM **Date/Time:** 1-17-2022

Analysis: PLM EPA 600/R-93/116 ☒ PLM 400 Point Count ☒ TEM ☐ Other _____

Turnaround Time: 3 Hrs. ☐ 24 Hrs ☐ 2 Days ☐ 3 Days ☐ 5 Days ☐ Other 6 Hr. TAT

Instructions:

Terracon ARMS: ☒ **Stop Positive:** ☐ **Number of samples:** _____

[1] F = Friable; C1 = Category I: packings, gaskets, asphaltic roofing products, resilient flooring; C2 = Category II Non-Friable; any materials other than Cat. I containing >1% asbestos

OrderID: 04220083 6

39

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042200836

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
21 – MA3 – 61	Men's locker room, NE corner of men's shower room at the north end of drain	1978 Building	5"x 12" Quarry tile and associated thin set, and grout – dark brown w/gray grout	500 SF	F C1 **C2**	**G** D SD
21 – MA3 – 62	Men's locker room, NW corner of men's shower room exit to pool, by the drain					
21 – MA3 – 63	Men's locker room, SE corner of the shower room, south end of the drain					
22 – CP1 – 64	1961 Building, large pool room, NW corner of ceiling near entrance to small pool room	1961 and 1978 Building	2' x 2' Cement board – gray smooth and peg board style panels	4,000 SF	F C1 **C2**	**G** D SD
22 – CP1 – 65	1961 Building, large pool room, NE corner of ceiling near entry to pool storage room					
22 – CP1 – 66	1961 Building, large pool room, SE corner of ceiling near entry to girl's locker room					
23 – WP1 – 67	3rd Floor mechanical room, west side of room on exhaust fan #3, east side	1978 Building, mechanical room	Vibration cloth – green, woven canvas type material	6 Units	F C1 **C2**	G D **SD**
23 – WP1 – 68	3rd Floor mechanical room, east side by door, on air handler unit for handball courts					
23 – WP1 – 69	3rd Floor mechanical room, south-central wall on small, elevated tank					
24 – MA5 – 70	1905 Building 1st floor, room 1-1, lobby area south entry at top south stair landing, center area	1905 Building, basement, and 1st floor	Marble tile and grout – white round tile with black grout	3,000 SF	F C1 **C2**	G **D** SD
24 – MA5 – 71	1905 Building 1st floor, room 1-1, east stairs lower landing, north end at top of steps					
24 – MA5 – 72	1905 Building basement, elevator room (B-9) at doorway threshold, centered					
25 – MA5 – 73	1905 Building, exterior north wall, under the red fire escape under the yellow brick	1905 Building, exterior foundation	Concrete skim coat – gray rough texture	300 SF	F C1 **C2**	G **D** SD
25 – MA5 – 74	1905 Building, exterior north wall, east corner by exposed limestone block					
25 – MA5 – 75	1905 Building, exterior east wall, at NE corner of building by exposed limestone block					
26 – SC2 – 76	1978 building exterior, south wall center, where sidewalk meets concrete wall	1978 Building, exterior	Tar sealant – black, smooth texture	75 SF	F C1 **C2**	G D **SD**
26 – SC2 – 77	1978 building exterior, south wall SW corner, where sidewalk meets concrete wall					
26 – SC2 – 78	1978 building exterior, west wall center, where sidewalk meets concrete wall					

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OrderID: 042200836

Terracon

Bettendorf: 870 40th Ave., Bettendorf, IA
52722 (563) 355 0702

Asbestos Bulk Sample and Chain of Custody Form

Lab Order ID: 042200836

Select a Laboratory:

Lab Location: HQ - Cinnaminson, NJ 101048-0

Sample Identification HA – BS Code – Sample #	Sample Location Description	HA General Location	Material Description (Type; Color/Texture)	Quantity (SF, LF, Cubic Ft, Units)	NESHAP[1] Classification	Notes/Physical Condition[2]
27 – WP1 – 79	1961 Building, 2nd floor mechanical room, SW corner of room on upper air handler unit	1961 Building	Vibration cloth – red woven canvas type material	4 Units	F C1 **C2**	G D **SD**
27 – WP1 – 80	1961 Building, 2nd floor mechanical room, NW corner of room on copper fan duct					
27 – WP1 – 81	1961 Building, 2nd floor mechanical room, NW corner on east side, on gray duct by wall					
7 – FP1 – 82	1905 Building basement, north room (B-6), east wall by mech. Room, by 2nd steel column	1905 Building, basement	Spray-on fireproofing – white thick, rough texture, popcorn style	3,000 SF	F C1 C2 **RACM**	G **D** SD
7 – FP1 – 83	1905 Building basement, north room (B-6), east wall, NE corner by end of duct work					
7 – FP1 – 84	1905 Building basement, north room (B-6), south wall, SW corner of B-6 by speaker					
– –					F C1 C2	G D SD
– –						
– –						
– –					F C1 C2	G D SD
– –						
– –						
– –					F C1 C2	G D SD
– –						
– –						
– –					F C1 C2	G D SD
– –						
– –						

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OrderID: 042200836

APPENDIX C

LICENSES

STEVEN MACK

DOB: 07-03-1970

Issued: 03-08-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5930	01-28-2022

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

May 20, 2021

James R Baxter Jr.
870 40th Avenue
Bettendorf, IA 52722

Dear James R Baxter Jr.

The department has reviewed the information you submitted and determined that you have met the requirements for certification in the state of Iowa as a Lead Inspector/Risk Assessor. Your certification number is: LEAD-INSP10101.

Your certification will expire on May 19, 2024. By that date, you must renew your certification in order to perform any lead professional certification activities. To renew your certification, you will need to have completed the appropriate refresher course. Refresher courses are valid if taken within 3-years from the date that you renew.

Please keep a copy of your certification on your person or in an easily retrievable area at the work site. If you submitted your application online or with a valid email address, the certification is being provided to you electronically. You may choose to either print these documents or have them available on your phone or other electronic device for display if requested.

You can find the certification requirements and work practice standards for all lead professionals in Iowa Administrative Code 641 - Chapter 70, which is at: http://www.idph.iowa.gov/LPP under "Resources". You **must** be currently certified to perform work that requires certification.

Bureau of Environmental Health Services
Lead Professional Certification
Phone: 800-972-2026
E-mail: Lead.Bureau@idph.iowa.gov



IOWA DEPARTMENT OF PUBLIC HEALTH

James R Baxter Jr.

Lead Inspector/Risk Assessor

Certification Number: LEAD-INSP10101

Expiration Date: May 19, 2024

APPENDIX D

PHOTO LOGS

Confirmed ACM Photo Log
Confirmed LBP Photo Log



Photo 1: View of 1905 Bldg. 1st floor, north room 2' x 2' ceiling tile (NC-01).



Photo 2: View of 1905 Bldg. 2nd floor, 9" x 9" floor tile, south restroom, beneath vinyl flooring (NC-04).



Photo 3: View of 1905 Bldg. 1st floor, 9" x 9" floor tile in main lobby, beneath underlayment (NC-16).



Photo 4: View of 1905 Bldg. Mag. Pipe insulation, basement landing of east stairwell (PC1-01).



Photo 5: View of 1905 Bldg. basement, mudded joint fitting with canvas wrap (PC2-04).



Photo 6: View of 1905 Bldg. basement, mudded joint fitting w/ canvas wrap on fiberglass pipe (PC3-07).

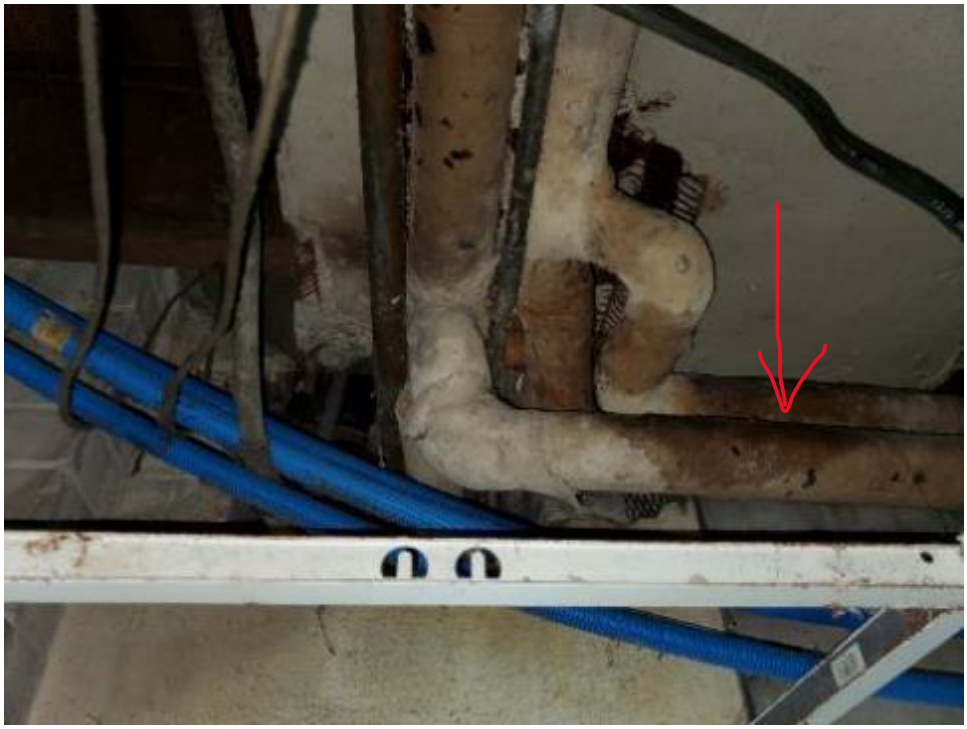


Photo 7: View of 1961 Bldg. 2nd floor gym, mudded fitting w/ canvas wrap on hard-wrap pipe (PC4-10).



Photo 8: View of 1905 Bldg. basement, 9" x 9" floor tile and mastic, southeast room, corner (PC5-13).



Photo 9: View of 1905 Bldg.1st floor, southeast room, 9" x 9" floor tile, (PC6-16).



Photo 10: View of 1905 Bldg.1st floor, storage room, 9" x 9" floor tile (PC7-19).



Photo 11: View of 1905 Bldg. 2nd floor, near the restrooms, 9" x 9" floor tile & mastic (PC8-22).



Photo 12: View of 1905 Bldg. 2nd floor, kitchen area, 9" x 9" floor tile (PC9-25).



Photo 13: View of Bldg. 1961 1st floor, main lobby, 12" x 12" floor tile & mastic (PC13-37).



Photo 14: View of 1905 Bldg. basement, 9" x 9" floor tile & mastic, southeast room, corner (PC14-40).



Photo 15: View of 1905 Bldg. basement, 9" x 9" floor tile, southeast room (PC15-43).



Photo 16: View of 1905 Bldg. 2nd floor north room, black caulk behind paneling walls (HA-1).



Photo 16: View of 1961 Bldg. exterior north wall, gray caulk on building exhaust (HA-15).



Photo 16: View of 1905 Bldg. exterior window caulk around window frames, gray (HA-15).



Photo 17: View of 1961 mezzanine mechanical room vibration cloth, white (HA-17).

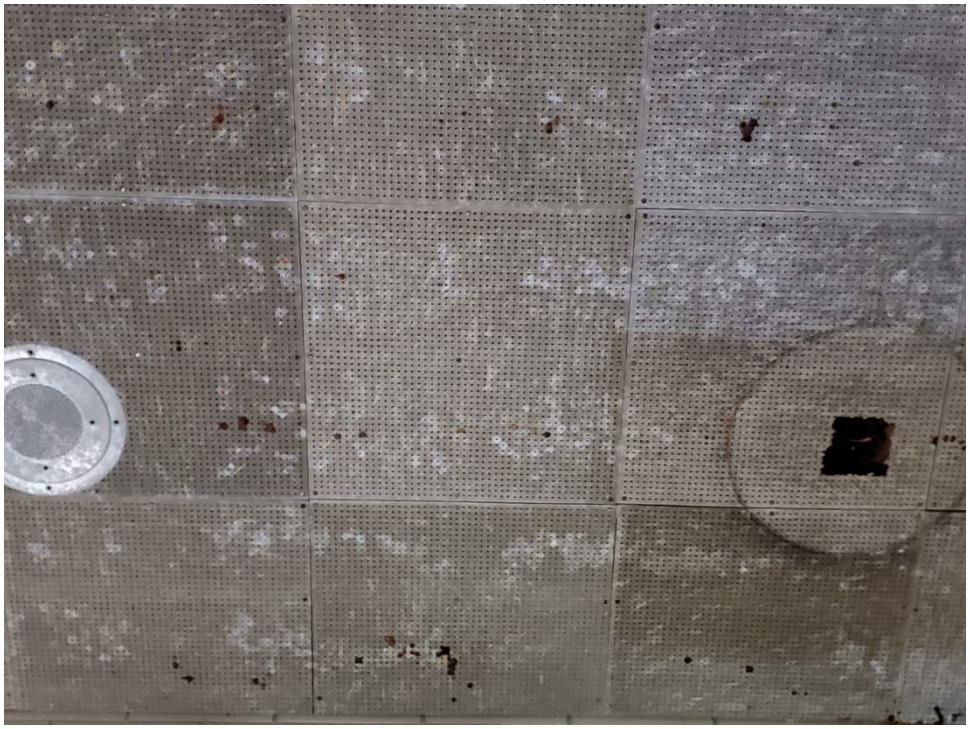


Photo 18: View of 1961 Bldg. 2" x 2" cement board pegboard panels, gray (HA-22).



Photo 1: View of LBP plaster in main entrance area of building



Photo 2: View of LBP on glazed ceramic block in locker rooms

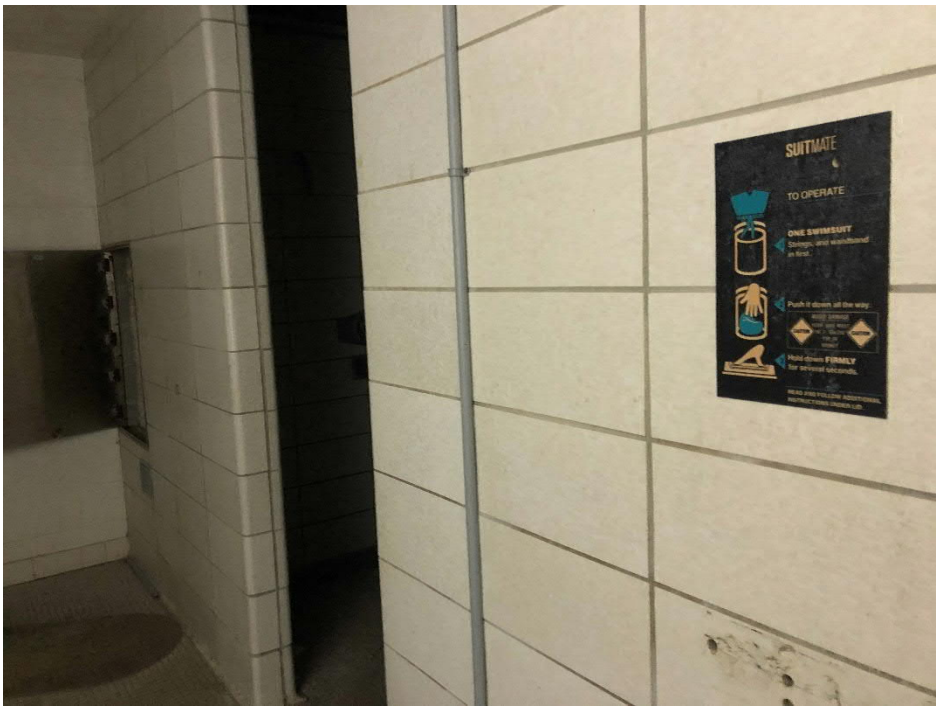


Photo 3: View of LBP on glazed ceramic block in locker rooms



Photo 4: View of LBP on glazed ceramic block in locker rooms



Photo 5: View of LBP on lockers



Photo 6: View of LBP on lockers



Photo 7: View of LBP on west wall of main lobby/entrance area



Photo 8: View of LBP on support poles in small gym

APPENDIX E

EXHIBITS

Asbestos Containing Materials Legend

- 9" x 9" Floor tile & mastic, beige with tan & brown spots (black mastic is < 1%)
  9" x 9" Floor tile & mastic, gray w/white specks (black mastic is < 1%)
  9" x 9" Floor tile & mastic, light tan (black mastic is < 1%)

- 12" x 12" Floor tile & mastic, white w/brown streaks

- 2' x 2' Ceiling tile, white , pinholes and slight texture

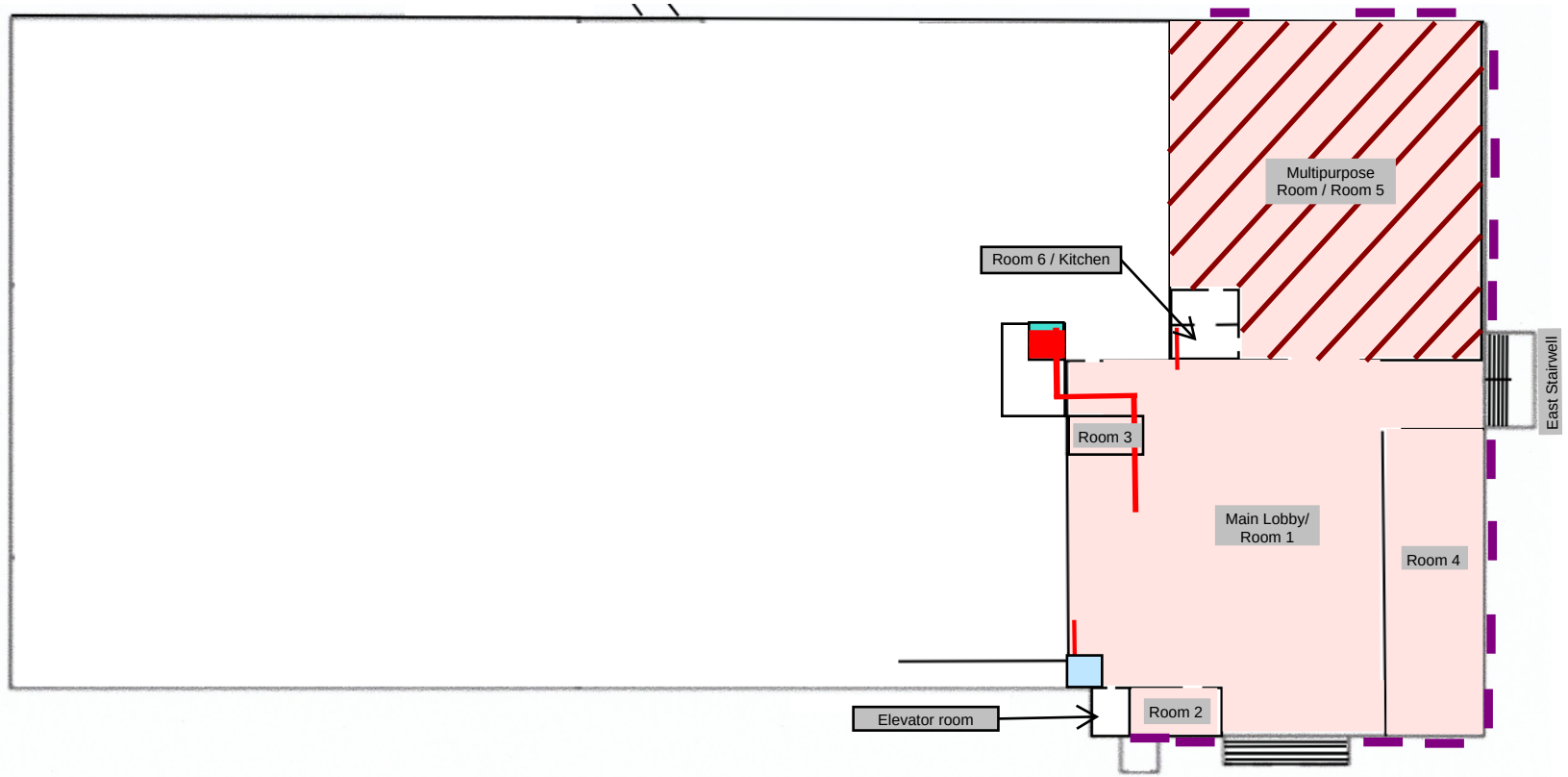
Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
Pipe insulation-layered paper with canvas wrap (hard-wrap)

- Vertical pipe chase

- Caulk, gray/white

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The ceiling tile encompass the entire area inside the dark red slash marks.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T18
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1905 Building Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 1

Asbestos Containing Materials Legend

- Mag pipe insulation, white with canvas wrap
- 9” x 9” Floor tile & mastic, red
- 9” x 9” Floor tile & mastic, brown
- 9” x 9” Floor tile & mastic, beige w/tan and brown spots (black mastic is < 1%)
- 9” x 9” Floor tile & mastic, beige w/streaks(black mastic is < 1%)
- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- Cement board ceiling panels, gray, thin, smooth
- Vibration cloth, white, woven material
- Gasket, boiler door

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The cement board ceiling panels encompass the entire area inside the purple slash cross marks.

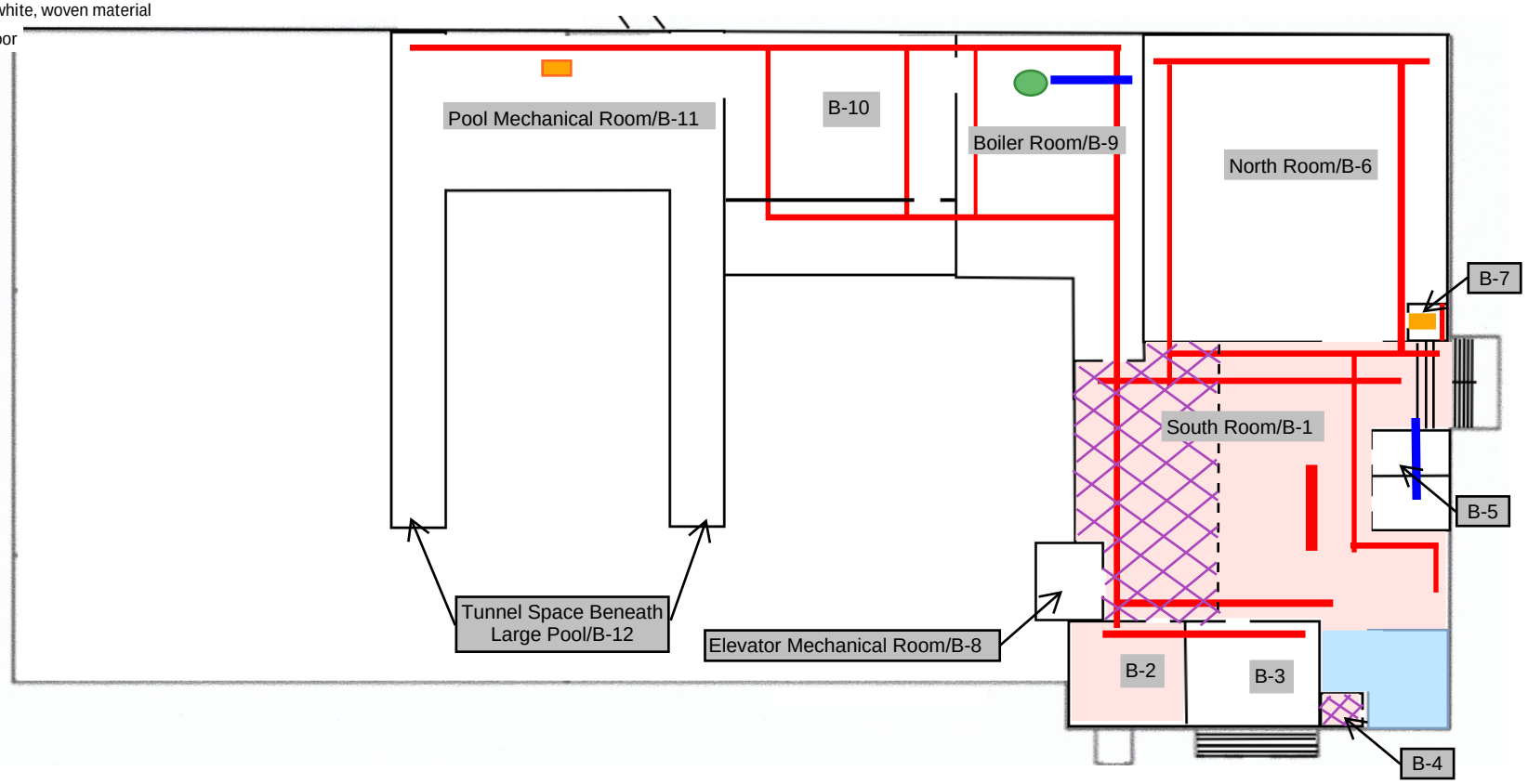


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1905/1961 Basement/Boiler Rooms
Former YMCA – 480 South 3rd Street
Clinton, Iowa

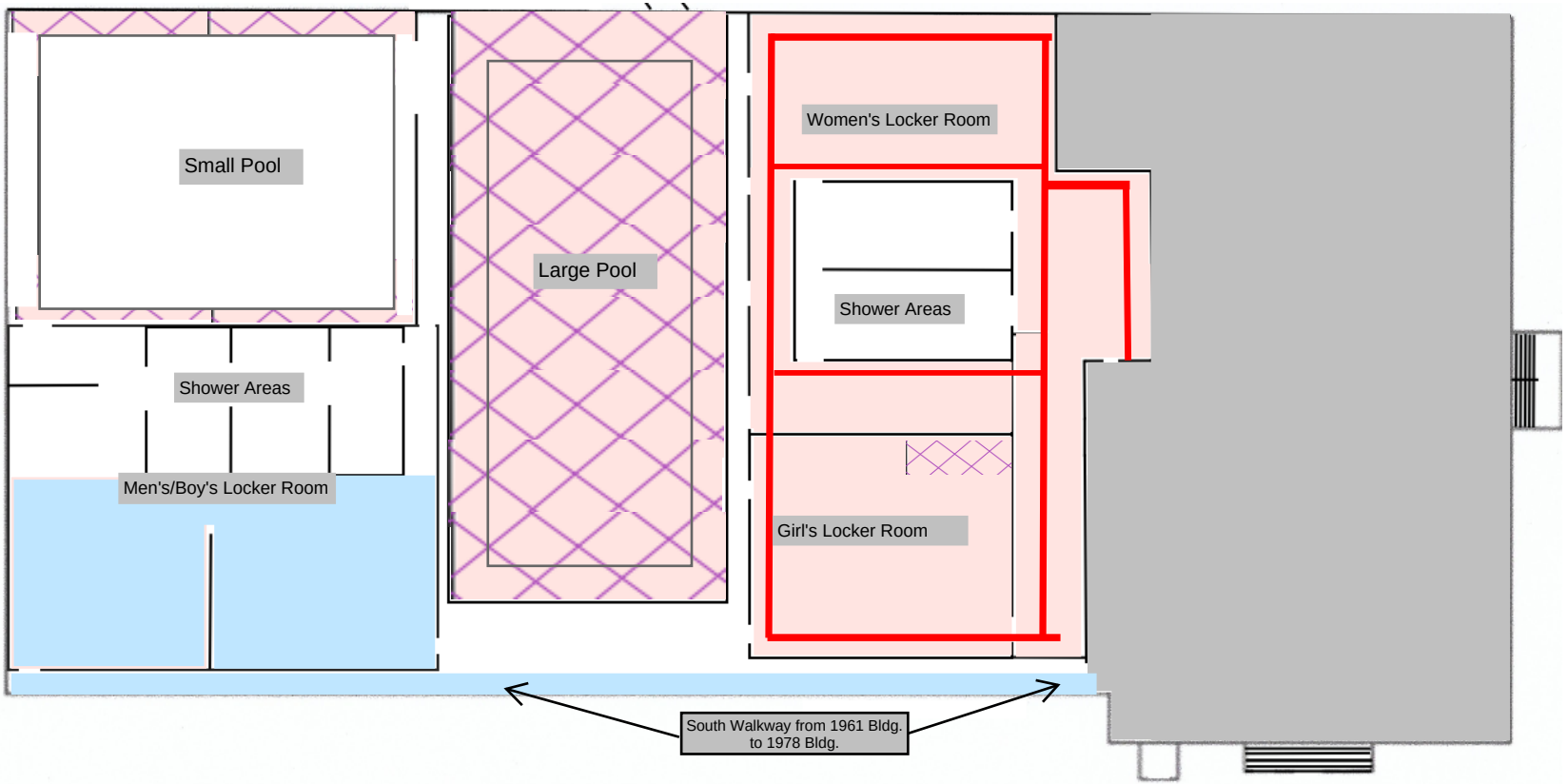
EXHIBIT 2

Asbestos Containing Materials Legend

- 9” x 9” Floor tile & mastic, beige w/tan and brown spots (black mastic is < 1%)
- 12" x 12" Floor tile & mastic, white w/brown streaks
- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- Cement board ceiling panels, gray, thin, smooth

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The cement board ceiling panels encompass the entire area inside the purple slash cross marks.



N

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Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
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File Name:	Former YMCA
Date:	January 2022

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CONFIRMED ACM LOCATION MAP

1961/1978 Sub-Level (Locker Rooms and Pools)
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 3

Asbestos Containing Materials Legend

- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- 9” x 9” Floor tile & mastic, red
- 9” x 9” Floor tile & mastic, brown
- 9” x 9” Floor tile & mastic, beige with brown & white streaks
- 12" x 12" Floor tile & mastic, white w/brown streaks
- 9” x 9” Floor tile, beige with tan & brown spots (black mastic is < 1%)
- 9” x 9” Floor tile, beige with streaks (black mastic is < 1%)
- Caulk, gray

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
5. The approximate location of exterior window caulk is indetified with purple lines.

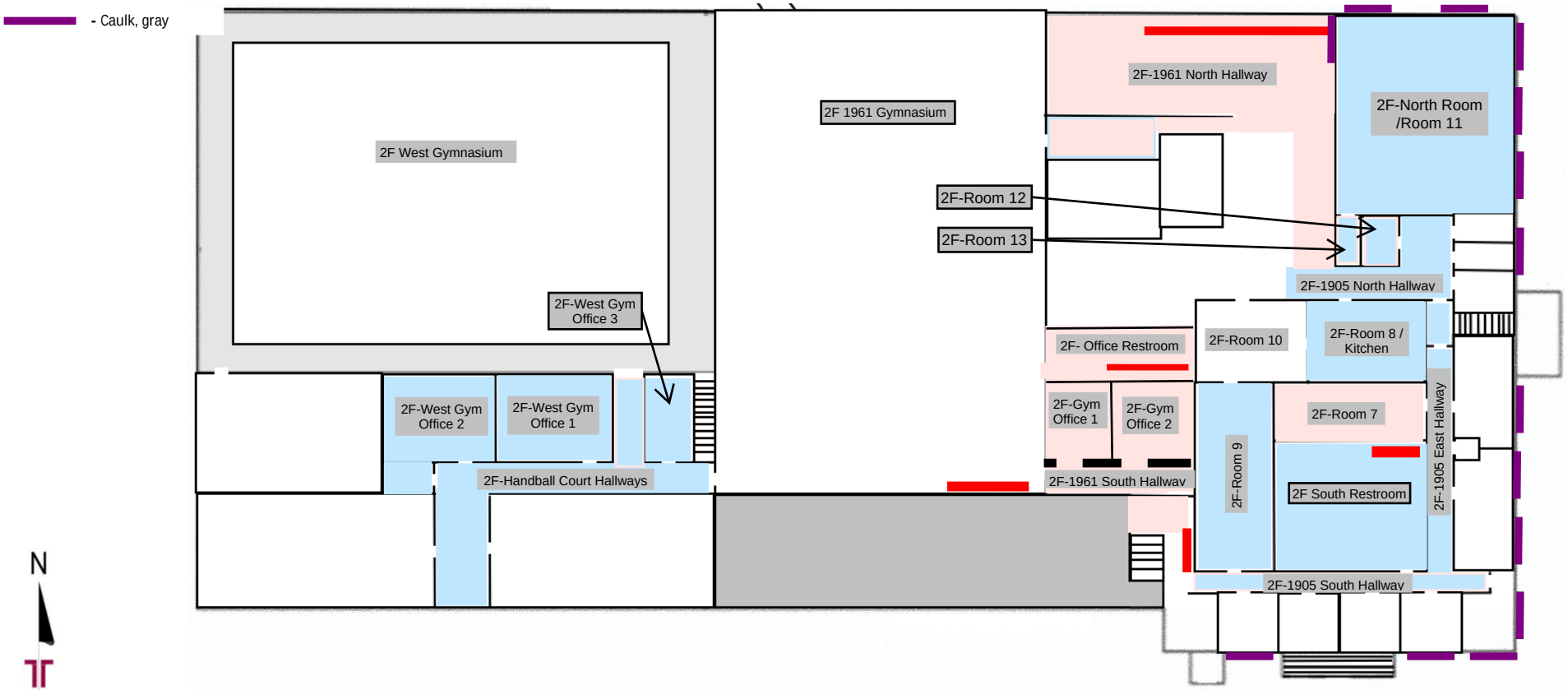


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Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1905/1961/1978 Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

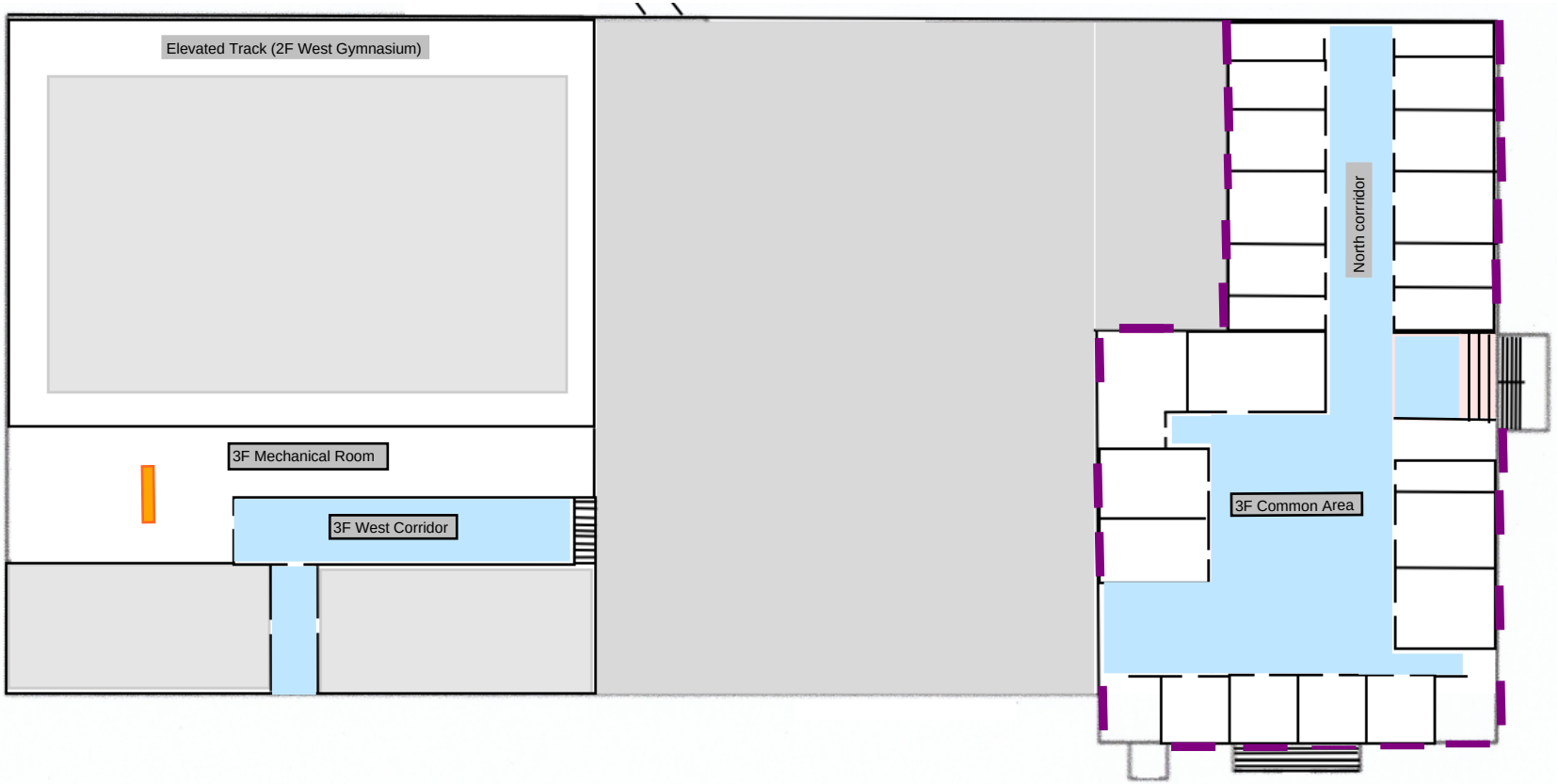
EXHIBIT 4

Asbestos Containing Materials Legend

- 9” x 9” Floor tile & mastic, beige with brown & white streaks
  12" x 12" Floor tile & mastic, white w/brown streaks
- 9” x 9” Floor tile, beige with streaks (black mastic is < 1%)
- Caulk, gray
- Vibration cloth, white, woven material

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.



N

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Project Manager:	JRB
Drawn by:	SMM
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Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1905/1978 Buildings, 3rd Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

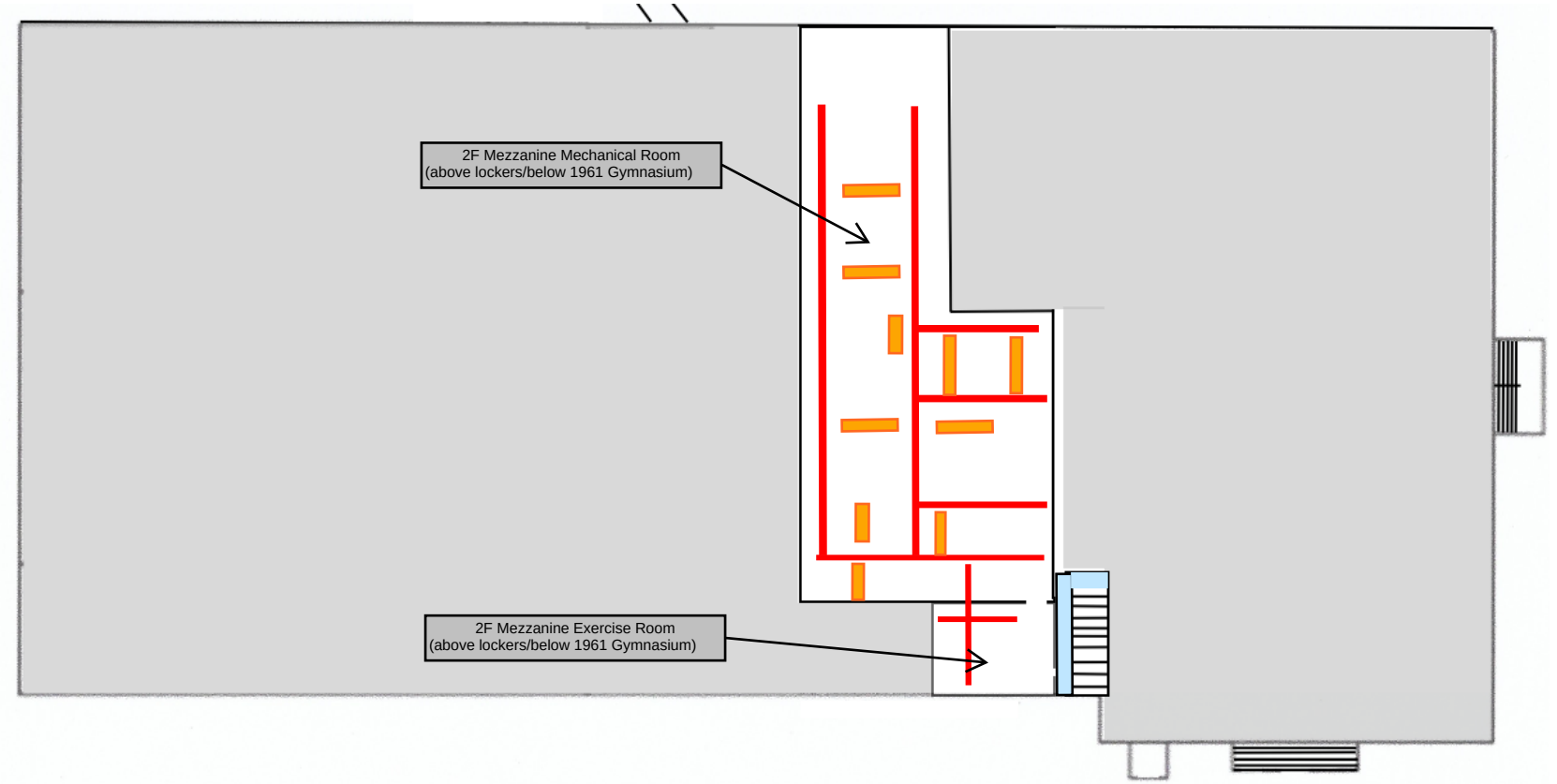
EXHIBIT 5

Asbestos Containing Materials Legend

- Mudded joint fitting with canvas wrap
- Mudded joint fitting with canvas wrap/fiber glass
- Pipe insulation-layered paper with canvas wrap (hard-wrap)
- Vibration cloth, white, woven material
- 9" x 9" Floor tile & mastic, beige with tan & brown spots (black mastic is negative)

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to the complexity of the piping system, not all TSI runs are shown; nor are all fittings. TSI pipe insulation may be located inside walls, ceilings, tunnels, and chases.
3. Demolition may be required to fully abate ACM materials. Due to the locations and multiply layers of resilient flooring and underlayment's, ACM flooring may be underneath existing walls that would require demolition to complete the abatement process. Flooring may extend under built-ins.
4. The approximate locations of vibration cloth are identified by orange hash marks.



N

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Project Manager: JRB	Project No. 07207086; T18
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: January 2022

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Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED ACM LOCATION MAP

1961 Building Mezzanine Mechanical Room

Former YMCA – 480 South 3rd Street

Clinton, Iowa

EXHIBIT

6

Asbestos Containing Materials Legend

- Built-up roof, under new vinyl sheet roofing (results from EMS report)

Notes

1. These locations are approximate and should be utilized for information purposes.The abatement contractor should confirm all locations and quantities.
2. Due to safety issues and inaccessability, not all roof elevations were sampled. Unsampled materials must be assumed to be asbestos-containing.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
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CONFIRMED ACM LOCATION MAP

Building Roof
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

7

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

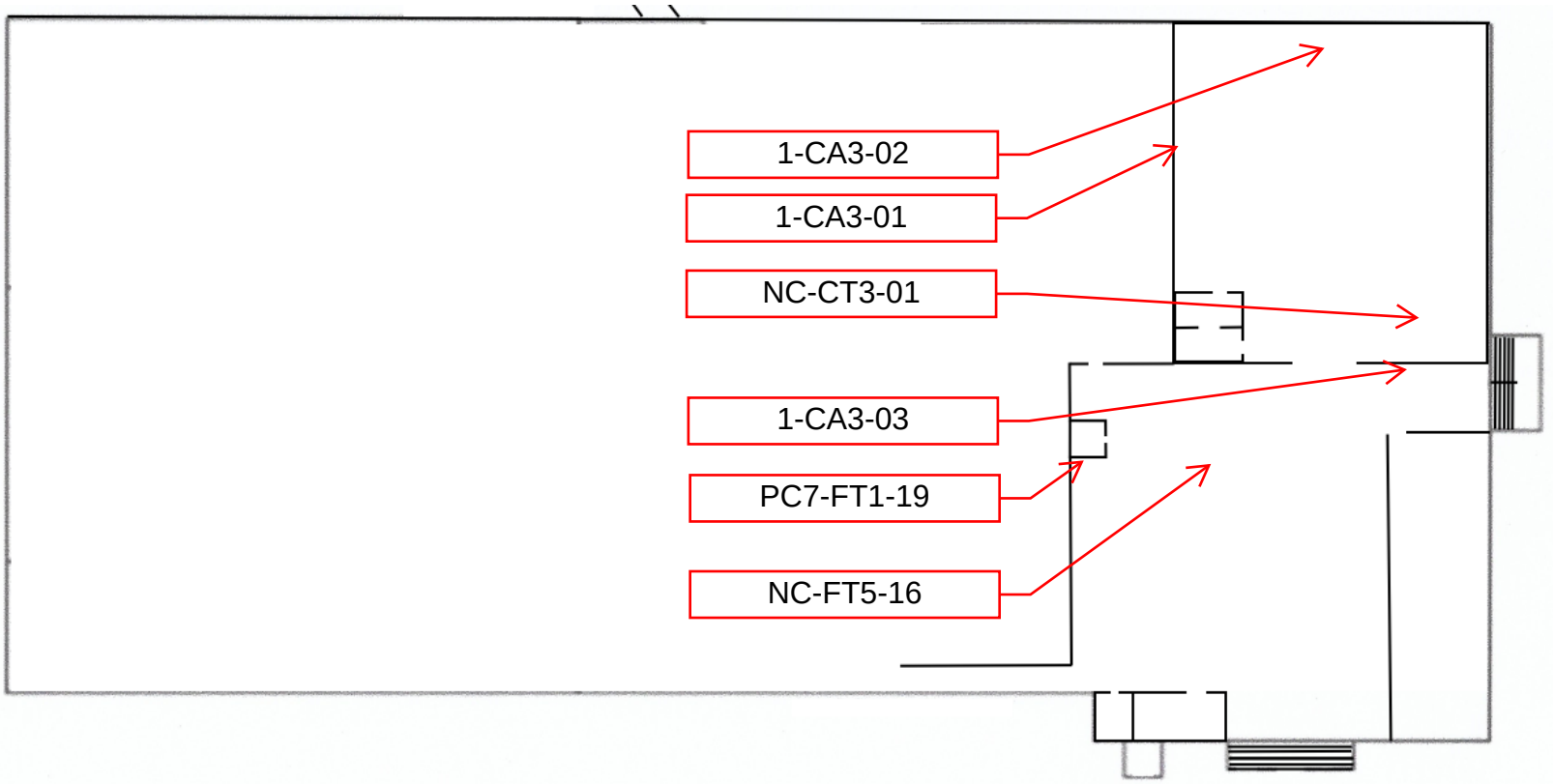


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Project Manager:	JRB
Drawn by:	SMM
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Project No.	07207086; T18
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File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1905 Building Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 8

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

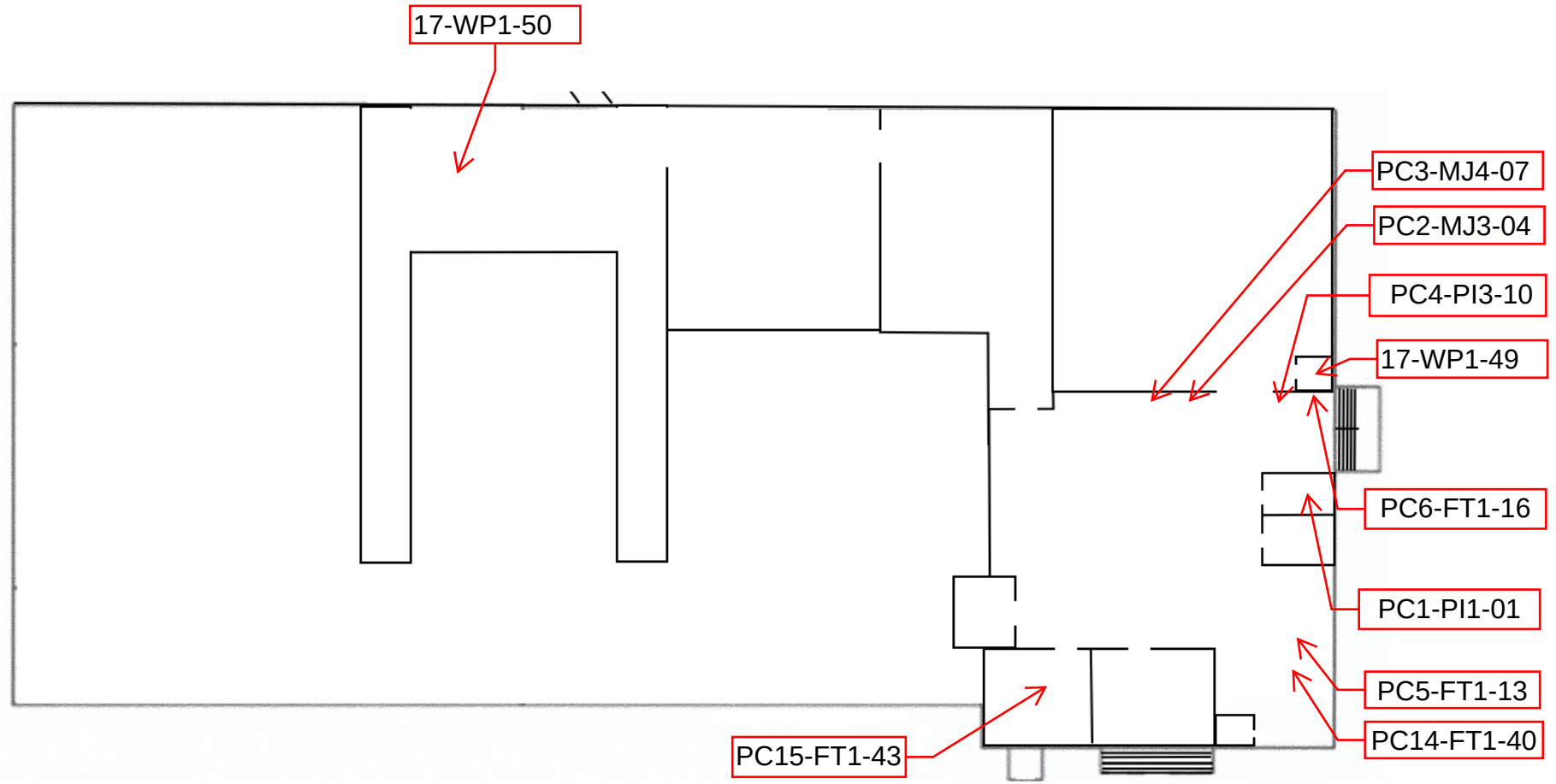


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Consulting Engineers & Scientists
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ACM SAMPLE LOCATION MAP

1905/1961 Basement/Boiler Rooms
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 9

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

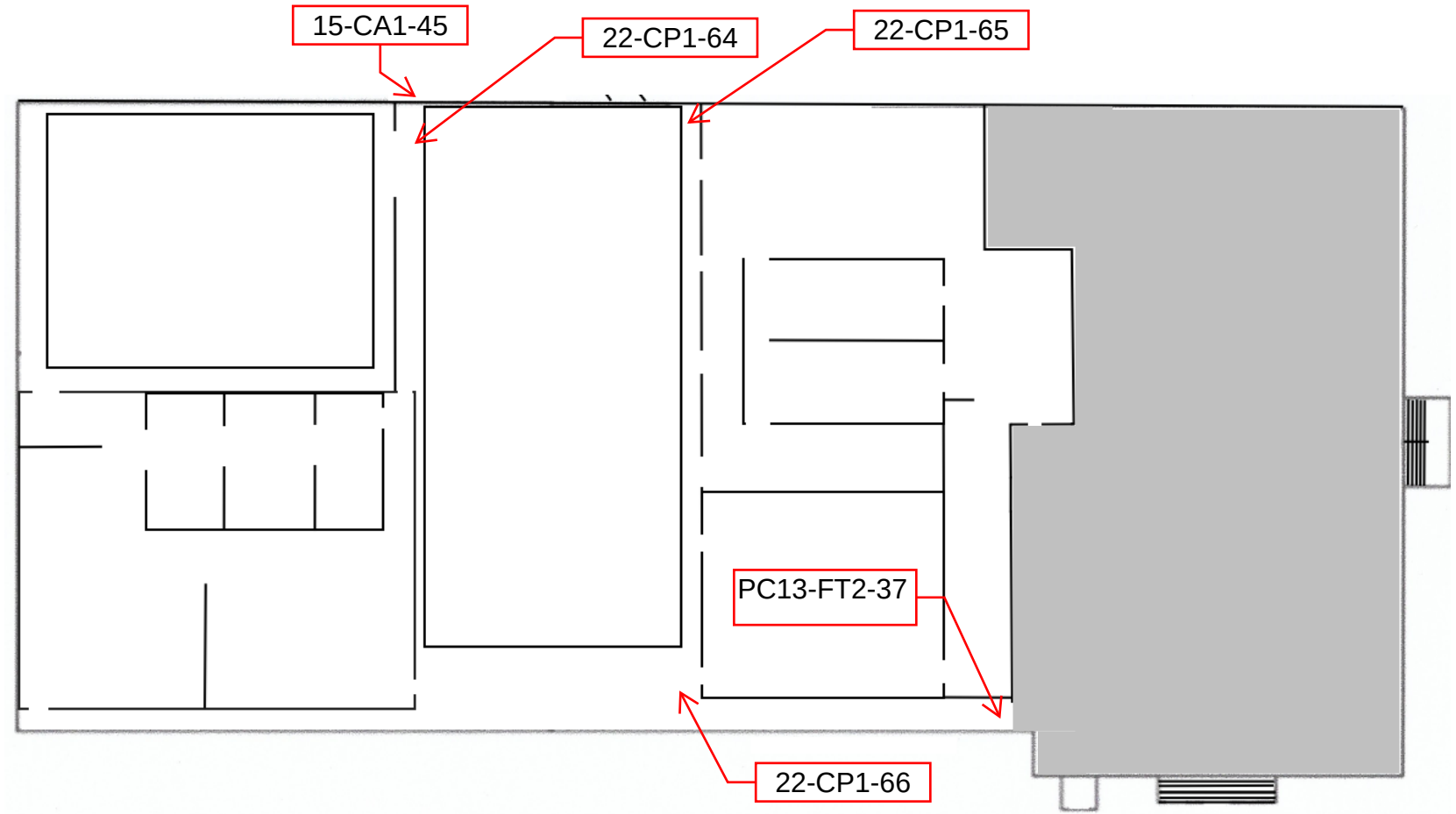


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File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1961/1978 Sub-Level (Locker Rooms and Pools)
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 10

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

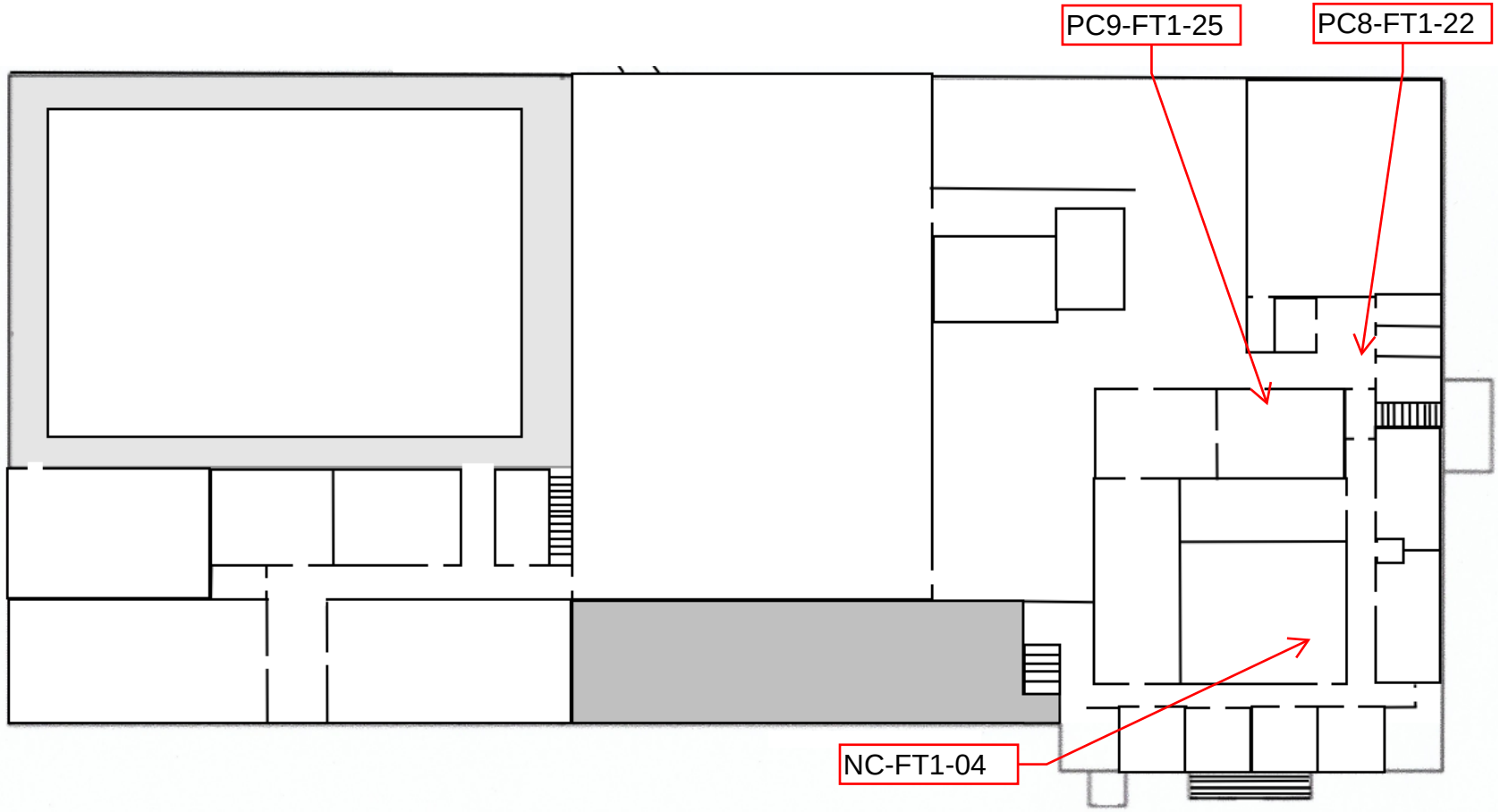


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

1905/1961/1978 Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 11

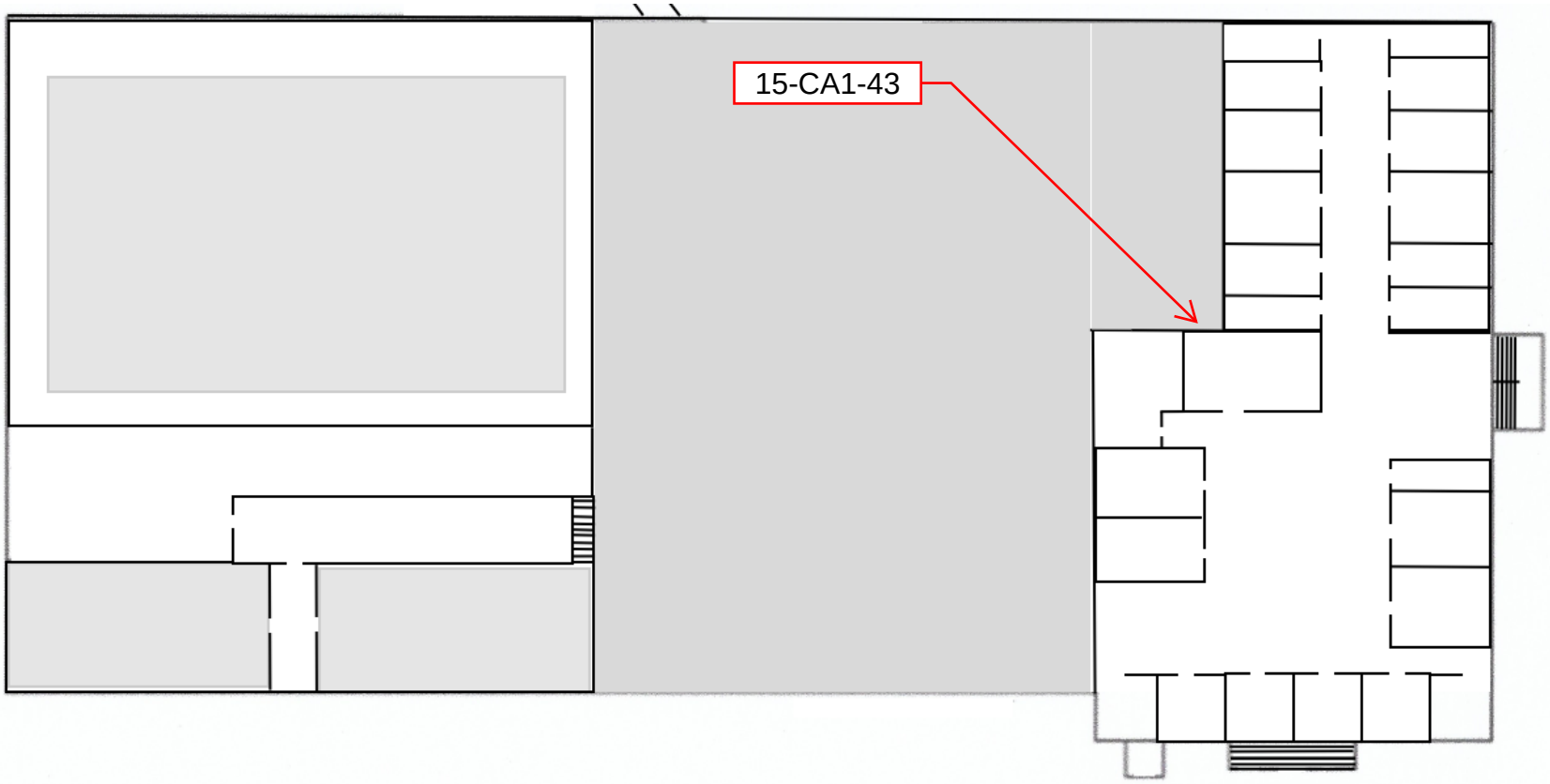
ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
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870 40th Avenue Bettendorf, Iowa 52722
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ACM SAMPLE LOCATION MAP

1905/1978 Buildings, 3rd Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

12

ACM Sample Locations Legend

XX-XXX-XX – Terracon sample numbers

→ – Approximate sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These locations are approximate and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.

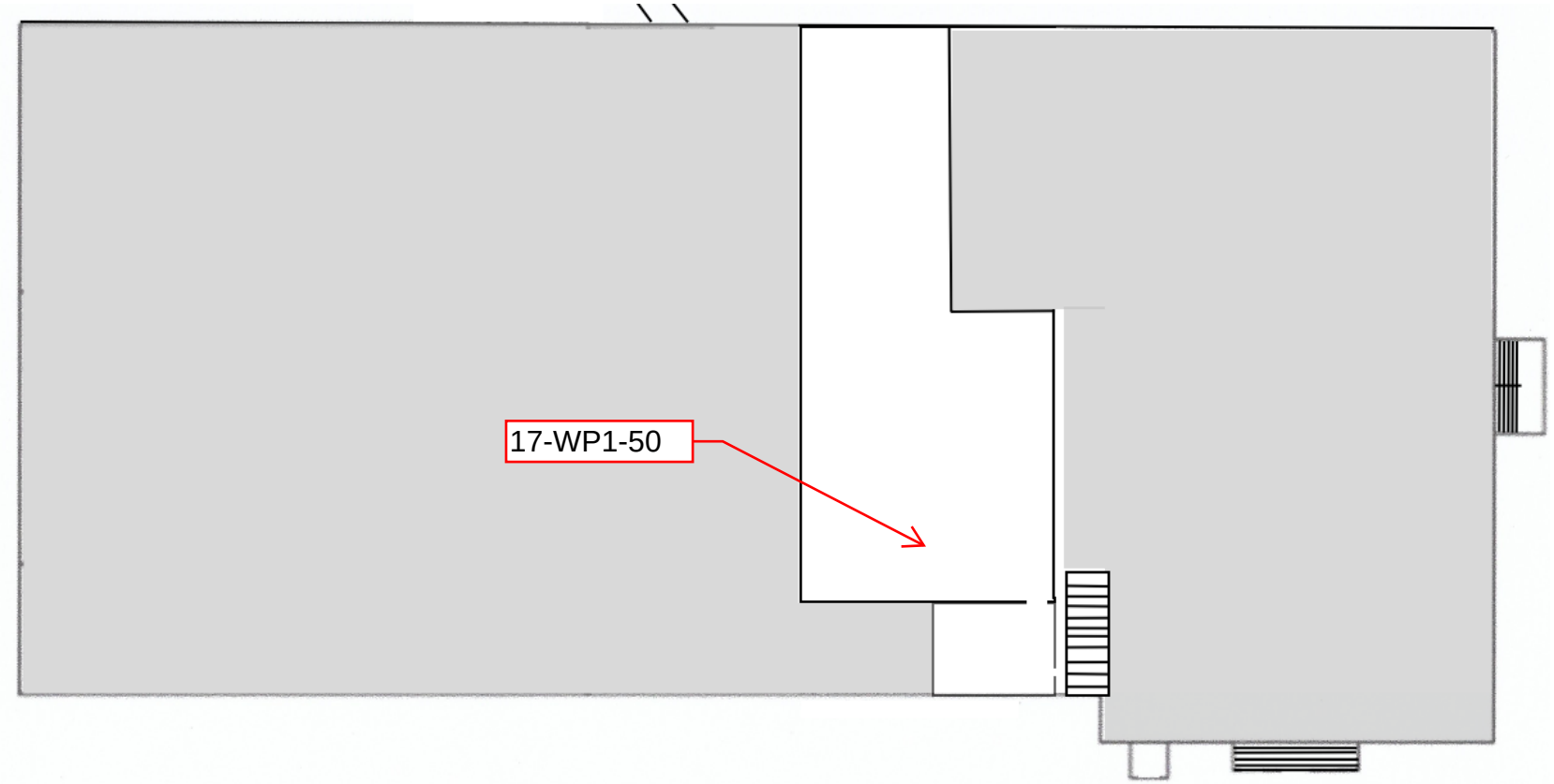


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
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ACM SAMPLE LOCATION MAP

1961 Building Mezzanine Mechanical Room
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 13

ACM Sample Locations Legend

– EMS general sample locations

Notes

1. These locations are Terracon sample locations only. Map does not include Samples from other reports.
2. These general locations are approximate to the EMS report, and should be utilized for information purposes. The abatement contractor should confirm all locations and quantities.



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB

Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

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PH. (563) 355-0702 FAX. (563) 355-4789

ACM SAMPLE LOCATION MAP

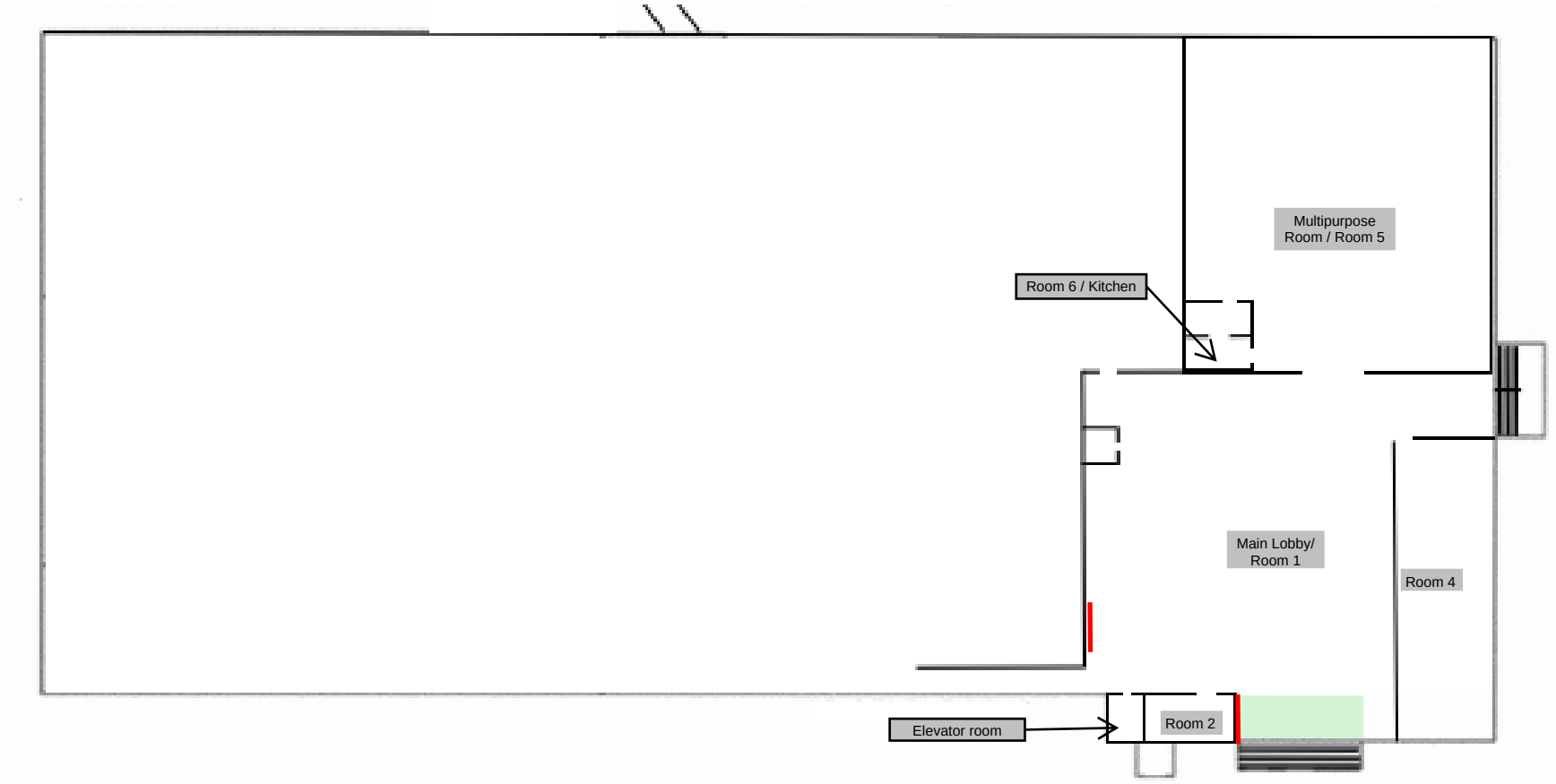
Building Roof
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

14

Approximate location of LBP on plaster ceiling in entryway

Approximate location/assumed extent of LBP on plaster/drywall in entryway/main lobby area



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB

Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED LBP LOCATION MAP

1905 Building Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

15

Approximate extent/location of LBP glazing on ceramic block walls. Block walls extend floor to ceiling throughout the majority of the locker room areas, and generally include pipe chases as well behind the shower areas

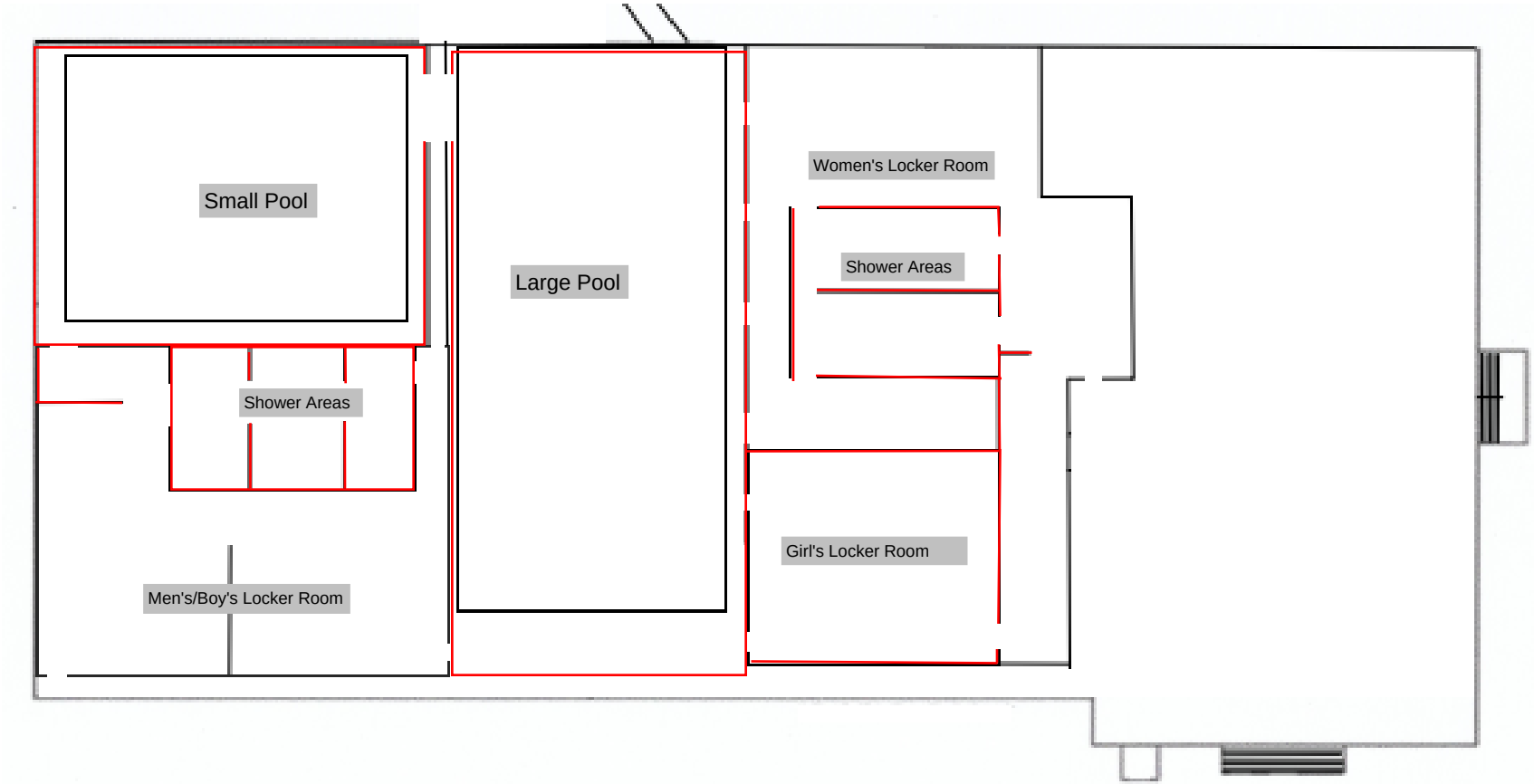


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T18	Terracon Consulting Engineers & Scientists	CONFIRMED LBP LOCATION MAP
Drawn by: SMM	Scale: N.T.S.	870 40th Avenue Bettendorf, Iowa 52722	1961/1978 Sub-Level (Locker Rooms and Pools) Former YMCA – 480 South 3rd Street Clinton, Iowa
Checked by: JRB	File Name: Former YMCA	PH. (563) 355-0702 FAX. (563) 355-4789	EXHIBIT 16
Approved by: JRB	Date: January 2022		

Approximate location of the four LBP support poles on the second floor of the 1905 building

Extent of LBP glazing on ceramic block walls in gymnasium; block walls extend approxiamtely 6 feet up from the floor.

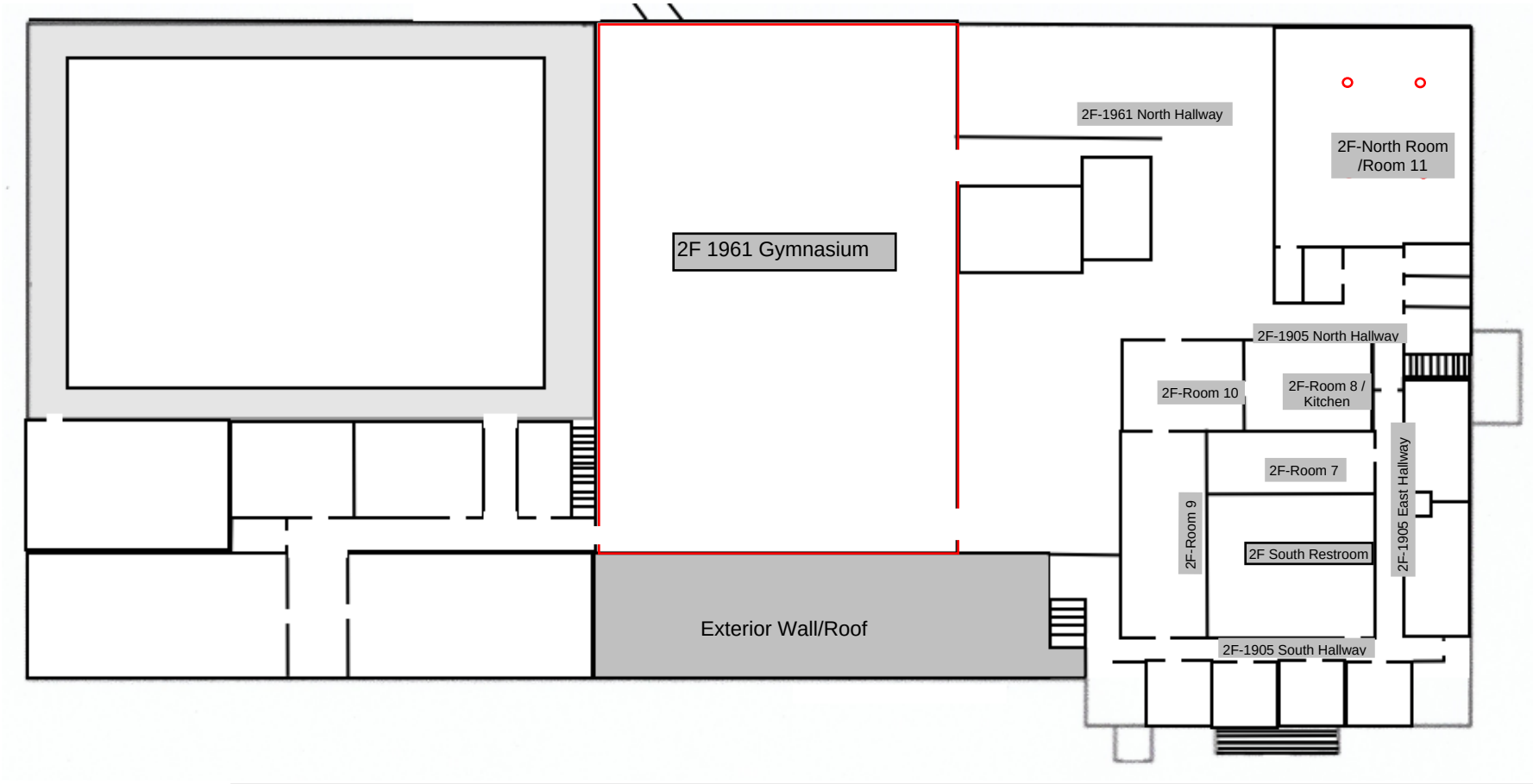


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T18
Scale:	N.T.S.
File Name:	Former YMCA
Date:	January 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

CONFIRMED LBP LOCATION MAP

1905/1961/1978 Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 17

APPENDIX E

PREVIOUS INSPECTION REPORT

Asbestos Inspection Report

SUBMITTED TO:

City of Clinton
P. O. Box 2958
Clinton, IA 52733-2958

Asbestos Inspection

LOCATION:

Former YMCA
480 South 3rd Street
Clinton, IA 52732

Prepared By:

Environmental Management Services of Iowa, Inc.
5170 Wolff Road, #2
Dubuque, IA 52002-2563
(563) 583-0808

Environmental Management Services of Iowa, Inc. - 5170 Wolff Road, #2 - Dubuque, IA 52002-2563 - (563) 583-0808

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
1905 Building							
Basement	Southeast Room	9" X 9" floor tile (red and brown) and mastic	378	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Basement	South Restroom	cement board wall panels	36	sq. ft.	Chrysotile	25%	Non-friable
Basement	South Restroom	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	5%	Friable
Basement	Southwest Room	9" X 9" floor tile (red and brown) (under carpet)	272	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Basement	Southwest Room	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	3%	Friable
Basement	South Main Room	9" X 9" floor tile (beige with tan and brown spots)	2,300	sq. ft.	Chrysotile	2%	Non-friable
Basement	South Main Room	cement board ceiling panels	1,340	sq. ft.	Chrysotile	25%	Non-friable
Basement	South Main Room	mudded joint fittings (on fiberglass insulation)	53	MJFs	Chrysotile	3%	Friable
Basement	South Main Room	woolsfelt pipe insulation	221	ln. ft.	Chrysotile	2%-3%	Friable
Basement	South Main Room	mudded joint fittings (on woolsfelt pipe insulation)	38	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Closet (by Tunnel)	mudded joint fittings (on woolsfelt pipe insulation)	2	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Closet (by Tunnel)	woolsfelt pipe insulation	12	ln. ft.	Chrysotile	2%-3%	Friable
Basement	Closet (by Tunnel)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable
Basement	Small Office	magnesia pipe insulation	7	ln. ft.	Chrysotile	2%	Friable
Basement	Small Office	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	East Stairs	magnesia pipe insulation	1	ln. ft.	Chrysotile	2%	Friable
Basement	East Stairs	woolsfelt pipe insulation	7	ln. ft.	Chrysotile	2%-3%	Friable
Basement	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	28	sq. ft.	Chrysotile	2%	Non-friable
Basement	North Room	mudded joint fittings (on fiberglass insulation)	50	MJFs	Chrysotile	3%	Friable
Basement	Mechanical Room	vibration dampener cloth	2	dampeners	Chrysotile	50%	Friable
Basement	Mechanical Room	mudded joint fittings (on fiberglass insulation)	5	MJFs	Chrysotile	3%	Friable
Basement	Tunnel (to Boiler Room)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable
Basement	Boiler Room	mudded joint fittings (on fiberglass insulation)	45	MJFs	Chrysotile	3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Basement	Boiler Room	woolsfelt pipe insulation	80	ln. ft.	Chrysotile	2%-3%	Friable
Basement	Boiler Room	mudded joint fittings (on woolsfelt pipe insulation)	30	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Boiler Room	breeching insulation	200	sq. ft.	Amosite	10%	Friable
Basement	Boiler Room	boiler door gaskets	2	gaskets	Chrysotile	40%	Friable
First Floor	Southeast Room	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	830	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Southwest Room	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	192	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Lobby Area	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	300	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Lobby Area Southwest	mudded joint fittings (on fiberglass insulation in small chase)	3	MJFs	Chrysotile	3%	Friable
First Floor	Lobby Area Northwest	woolsfelt pipe insulation	14	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Lobby Area Northwest	mudded joint fittings (on woolsfelt pipe insulation)	1	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Lobby Area Northwest	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
First Floor	Store Room (by counter)	9" X 9" floor tile (multiple colors)	108	sq. ft.	Chrysotile	2%-5%	Non-friable
First Floor	Store Room (by counter)	woolsfelt pipe insulation	6	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Store Room (by counter)	mudded joint fittings (on woolsfelt pipe insulation)	1	ln. ft.	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Restroom and Chase	woolsfelt pipe insulation	60	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Restroom and Chase	mudded joint fittings (on woolsfelt pipe insulation)	8	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Restroom and Chase	mudded joint fittings (on fiberglass insulation)	6	MJFs	Chrysotile	3%	Friable
First Floor	Kitchenette (behind wall)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
First Floor	East Stairs	9" X 9" floor tile (beige with brown streaks) (under non-asbestos floor tile and underlayment)	180	sq. ft.	Chrysotile	5%	Non-friable
First Floor	East Entry Exterior	white caulk (on wood)	20	ln. ft.	Chrysotile	2%	Non-friable
First Floor	North Entry Exterior	white caulk (on wood)	20	ln. ft.	Chrysotile	2%	Non-friable
Second Floor	North Room	9" X 9" floor tile (beige with streaks)	1,620	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	North Room Office Storage	9" X 9" floor tile (beige with streaks)	250	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	North Hallway	9" X 9" floor tile (beige with streaks)	270	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Landing Hall	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	80	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Stairs	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	150	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Halls and Janitor's Closets	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	450	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	South Restroom	9" X 9" floor tile (beige with streaks) (under non-asbestos linoleum)	100	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	South Restroom Chase	woolsfelt pipe insulation	20	ln. ft.	Chrysotile	2%-3%	Friable
Second Floor	South Restroom Chase	mudded joint fittings (on woolsfelt pipe insulation)	11	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Second Floor	Laundry Room	9" X 9" floor tile (beige with streaks) (under non-asbestos 12" X 12" floor tile and underlayment)	50	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Large West Apartment and Closet	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	330	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Old Kitchen	9" X 9" floor tile (white with brown streaks) (on underlayment)	320	sq. ft.	Chrysotile	3%	Non-friable
Second Floor	Old Kitchen	9" X 9" floor tile (red and brown) (under 9" X 9" floor tile and underlayment) and mastic	320	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Second Floor	Room 1	linoleum (tan) (under carpet and underlayment)	210	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 2	linoleum (green) (under carpet and underlayment)	210	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 3	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Second Floor	Room 4	linoleum (gray) (under carpet and underlayment)	170	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 5	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 6	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 7	linoleum (gray) (under carpet and underlayment)	170	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	North Hall	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	280	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Stairs	9" X 9" floor tile (beige with streaks) (under non-asbestos 12" X 12" floor tile and underlayment)	110	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Lobby and Halls	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	1,000	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Room 8	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 9	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 10	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 11	linoleum (tan) (under carpet and underlayment)	150	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 12	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 13	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 14	linoleum (gray) (under carpet and underlayment)	150	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 15	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 16	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 17	linoleum (gray) (under carpet and underlayment)	180	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 18	linoleum (gray) (under carpet and underlayment)	155	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 19	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 20	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 21	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 22	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 23	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 24	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.
# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Third Floor	Room 25	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 26	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 27	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 28	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
1961 Building							
Basement	Pool Mechanical Room	heat exchanger insulation	10	sq. ft.	Amosite, Chrysotile	5%, 2%	Friable
Basement	Pool Mechanical Room	woolsfelt pipe insulation debris	10	sq. ft.	Chrysotile	2%-3%	Friable
Basement	Pool Mechanical Room	mudded joint fittings (on fiberglass insulation)	10	MJFs	Chrysotile	3%	Friable
Basement	Pool Storage	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	Pool Storage Hall	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	Locker Room and Shower Area	9" X 9" floor tile (beige with tan and brown spots) (most under carpet)	2,240	sq. ft.	Chrysotile	2%	Non-friable
Basement	Locker Room and Shower Area	cement board panel (as ceiling repair)	8	sq. ft.	Chrysotile	25%	Non-friable
Basement	Locker Room and Shower Area	woolsfelt pipe insulation	300	sq. ft.	Chrysotile	2%-3%	Friable
Basement	Locker Room and Shower Area	mudded joint fittings (on woolsfelt pipe insulation)	120	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Locker Room and Shower Area	mudded joint fittings (on fiberglass insulation)	85	MJFs	Chrysotile	3%	Friable
First Floor	Pool	cement board panels (on ceiling)	3,700	sq. ft.	Chrysotile	25%	Non-friable
First Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
First Floor	Exercise Room	mudded joint fittings (on fiberglass insulation)	7	MJFs	Chrysotile	3%	Friable
First Floor	Mechanical Room	mudded joint fittings (on fiberglass insulation)	25	MJFs	Chrysotile	3%	Friable
First Floor	Mechanical Room	mudded joint fittings (on woolsfelt pipe insulation)	13	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Mechanical Room	woolsfelt pipe insulation	33	ln. ft.	Chrysotile	2%-3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
First Floor	Mechanical Room	vibration dampener cloth	9	dampeners	Chrysotile	50%	Friable
First Floor	Handball Hall	9" X 9" floor tile (beige with tan and brown spots)	420	sq. ft.	Chrysotile	2%	Non-friable
First Floor	North Stairs	9" X 9" floor tile (beige with tan and brown spots)	200	sq. ft.	Chrysotile	2%	Non-friable
First Floor	East Stairs	mudded joint fittings (on fiberglass insulation)	1	MJFs	Chrysotile	3%	Friable
Second Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Stairs	9" X 9" floor tile (beige with tan and brown spots)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Handball Balcony	9" X 9" floor tile (beige with tan and brown spots)	420	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Hall	9" X 9" floor tile (beige with tan and brown spots)	350	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Hall	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	5%	Friable
Second Floor	Gym Office and Entry	9" X 9" floor tile (beige with tan and brown spots)	153	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	South Hall	9" X 9" floor tile (beige with tan and brown spots)	90	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Gymnasium	mudded joint fittings (on fiberglass insulation)	11	MJFs	Chrysotile	3%	Non-friable
Third Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
Roof	Lower Roof	built up roof flashings (under newer roofing)	220	ln. ft.	Chrysotile	2%	Non-friable
Roof	Upper Roof	built up roof flashings (under newer roofing)	300	ln. ft.	Chrysotile	3%	Non-friable
1978 Building							
First Floor	Southeast Lobby and Hall	12" X 12" floor tile (white with brown streaks) and mastic	800	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	East Stairs	12" X 12" floor tile (white with brown streaks) and mastic	32	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	West Central Locker Room Area	12" X 12" floor tile (white with brown streaks) and mastic (most under carpet or ceramic tile)	1,530	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	Pool	cement board panels	132	sq. ft.	Chrysotile	25%	Non-friable
Second Floor	Handball Hall	12" X 12" floor tile (white with brown streaks) and mastic	120	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	Main Hall and Janitor's Closet	12" X 12" floor tile (white with brown streaks) and mastic	290	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Second Floor	West Office	12" X 12" floor tile (white with brown streaks) and mastic	165	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	East Office	12" X 12" floor tile (white with brown streaks) and mastic (under carpet)	155	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	Gymnasium Drinking Fountain	12" X 12" floor tile (white with brown streaks) and mastic	10	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Third Floor	Hallway	12" X 12" floor tile (white with brown streaks) and mastic	185	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Roof	Upper Roof	built up roof flashings (under newer roofing)	360	ln. ft.	Chrysotile	10%	Non-friable
Roof	Lower Roof	built up roof flashings (under newer roofing)	225	ln. ft.	Chrysotile	10%	Non-friable

DEFINITIONS:
Friable = easily crumbled / can be crumbled, pulverized, or reduced to powder by the pressure of an ordinary human hand
Non-friable = cannot be pulverized under hand pressure

All other discovered suspect materials not listed above were also sampled and analyzed, and do not contain asbestos.
Please see the Bulk Sample Results.



Jeff Stahr, Inspector

21-5440
State of Iowa
Asbestos Inspector License #

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.
# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE

NOTES:

To keep disturbance to building materials and damage to property minimum, a limited number of spot checks were done to visualize suspect asbestos materials and collect necessary samples for testing. Therefore, suspect asbestos materials may be hidden and may be uncovered during the renovation and/or demolition processes.

Local and State regulations may require asbestos containing materials to be removed by a licensed asbestos abatement contractor. An Asbestos Notification and fee may be required to be submitted to the appropriate government agencies either ten calendar days or ten working days (depending on the type and amount of asbestos being removed) prior to starting asbestos work.

A renovation project when there is still asbestos present in a structure, may require a Renovation Notification and fee to be submitted to the appropriate government agencies ten working days prior to starting renovation work.

A demolition project, which includes the removal of any load bearing walls and/or complete demolition of a structure, may require a Demolition Notification and fee to be submitted to the appropriate government agencies ten working days prior to starting demolition work.

Materials with less than 1% asbestos content are not required to be removed by a licensed asbestos abatement contractor. However, these materials are still to be handled by following proper regulations and safe work practices. The building owner may still opt to have a licensed asbestos abatement contractor remove this type of material.

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

OrderID: 162104126

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

04126

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-19-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 S. 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc. (317) 803-2997 FAX: (317) 803-3047
2001 East 52nd Street Main Office: 1-800-220-3675
Indianapolis, IN 46205

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-18-21	48053-01	Pool Filter Room	Heatexchanger Mag Ins.	5% Amosite 2% chrysotile
2-18-21	48053-02	Pool Filter Room	Mudded fitting	2% chrysotile (C)
2-18-21	48053-03	Pool Filter Room	Woolsfelt pipe ins.	2% C
2-18-21	48053-04	Boiler Room	Mud on breeching	10% Amosite
2-18-21	48053-05	Boiler Room	mudded fitting	3% C
2-18-21	48053-06	Boiler Room	Woolsfelt pipe ins.	3% C
2-18-21	48053-07	Basement Near S. Storage	mudded joint fitting	3% C
2-18-21	48053-08	Basement Stair landing	Woolsfelt pipe ins.	2%
2-18-21	48053-09	1st floor Restroom Chase	mudded joint fitting	<1% Amosite 2% chr
2-18-21	48053-10	1st floor Restroom Chase	Woolsfelt pipe ins.	2% C
2-18-21	48053-11	Basement Stair landing	Mag pipe ins.	2% C
2-18-21	48053-12	Basement SE Room	9x9 Floor tile	3% / 3%
2-18-21	48053-13	Basement SE Room	9x9 Floor tile	3% / 3%
2-18-21	48053-14	Main BSMT area - South	9x9 Floor tile	2% / ND
2-18-21	48053-15	Main BSMT area South-West Side	Cement board ceiling	25% C
2-18-21	48053-16	Basement near S. Storage	Ceiling Tile	<1%
2-18-21	48053-17	Basement near Coal room	Ceiling Tile	
2-18-21	48053-18	Basement SE Room	Dry wall, mud + pc Texture	
2-18-21	48053-19	Basement RR	Plaster	
2-18-21	48053-20	Basement RR	Linoleum	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air

OrderID: 162104126

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

04126

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-19-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 S. 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-18-21	48053-21	Bsmt Weight Room	Drywall mud pc Texture	
2-18-21	48053-22	Bsmt Elevator Lobby	popcorn ceiling Texture	
2-18-21	48053-23	Bsmt Elevator Lobby	Ceiling Tile	
2-18-21	48053-24	Bsmt Former Restroom	Ceramic wall Tile, Grout + Adh	
2-18-21	48053-25	Bsmt Stairs	Vinyl stair Tred	
2-18-21	48053-26	North Basement	popcorn ceiling Texture	
2-18-21	48053-27	North Basement	popcorn Ceiling Texture	
2-18-21	48053-28	North Basement	popcorn ceiling Texture	
2-18-21	48053-29	North Basement Air Handler	Vibration Cloth	50% c
2-18-21	48053-30	Bsmt Former Restroom	Quarry tile, Grout + Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day AM
Telephone

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Project: 480 South 3rd St Clinton IA

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 03/04/2021 10:15 AM
Analysis Date: 03/05/2021
Collected Date: 02/18/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
480S3-01 *162104126-0001*	Pool Filter Room - Heat Exchanger Mag Ins.	White Non-Fibrous Homogeneous		93% Non-fibrous (Other)	5% Amosite 2% Chrysotile
480S3-02 *162104126-0002*	Pool Filter Room - Mudded Fitting	Gray Fibrous Homogeneous	5% Synthetic 30% Min. Wool	63% Non-fibrous (Other)	2% Chrysotile
480S3-03-Insulation *162104126-0003*	Pool Filter Room - Woolsfelt Pipe Ins.	Gray Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile
480S3-03-Paper *162104126-0003A*	Pool Filter Room - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
480S3-04 *162104126-0004*	Boiler Room - Mud on Breeching	Gray/White Fibrous Homogeneous		90% Non-fibrous (Other)	10% Amosite
480S3-05 *162104126-0005*	Boiler Room - Mudded Fitting	Gray Fibrous Homogeneous	40% Min. Wool	57% Non-fibrous (Other)	3% Chrysotile
480S3-06-Insulation *162104126-0006*	Boiler Room - Woolsfelt Pipe Ins.	Brown/Gray Fibrous Homogeneous	95% Cellulose	2% Non-fibrous (Other)	3% Chrysotile
480S3-06-Paper *162104126-0006A*	Boiler Room - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
480S3-07 *162104126-0007*	Basement near S. Storage - Mudded Joint Fitting	Gray Fibrous Homogeneous	40% Min. Wool	57% Non-fibrous (Other)	3% Chrysotile
480S3-08-Wrap *162104126-0008*	Basement Stair Landing - Woolsfelt Pipe Ins.	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
480S3-08-Felt *162104126-0008A*	Basement Stair Landing - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-08-Insulation *162104126-0008B*	Basement Stair Landing - Woolsfelt Pipe Ins.	Gray/Black Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile
480S3-09 *162104126-0009*	1st Floor Restroom Chase - Mudded Joint Fitting	Gray Fibrous Homogeneous	30% Min. Wool	68% Non-fibrous (Other)	<1% Amosite 2% Chrysotile
480S3-10-Wrap *162104126-0010*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
480S3-10-Felt *162104126-0010A*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-10-Insulation *162104126-0010B*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Brown/Gray Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile

Initial report from: 03/05/2021 12:59:01

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480S3-10-Felt *162104126-0010C*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-11 *162104126-0011*	Basement Stair Landing - Mag Pipe Ins.	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
480S3-12-Floor Tile *162104126-0012*	Basement SE Room - 9x9 Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-12-Mastic *162104126-0012A*	Basement SE Room - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-13-Floor Tile *162104126-0013*	Basement SE Room - 9x9 Floor Tile	Red Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-13-Mastic *162104126-0013A*	Basement SE Room - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-14-Mastic *162104126-0014*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Yellow/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-14-Floor Tile *162104126-0014A*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
480S3-14-Mastic *162104126-0014B*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-15 *162104126-0015*	Main Bsmt Area South-side - Cementboard Ceiling	Gray Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
480S3-16 *162104126-0016*	Basement near S. Storage - Ceiling Tile	Gray/White Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (Other)	<1% Chrysotile
480S3-17 *162104126-0017*	Basement near Coat Room - Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 15% Min. Wool	20% Perlite 5% Non-fibrous (Other)	None Detected
480S3-18-Drywall *162104126-0018*	Basement SE Room - Drywall, Mud + PC Texture	Brown/White Fibrous Heterogeneous	20% Cellulose	70% Gypsum 10% Non-fibrous (Other)	None Detected
480S3-18-Joint Compound *162104126-0018A*	Basement SE Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-18-Texture *162104126-0018B*	Basement SE Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-19-Finish Coat *162104126-0019*	Basement RR - Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-19-Base Coat *162104126-0019A*	Basement RR - Plaster	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-20-Linoleum *162104126-0020*	Basement RR - Linoleum	Tan/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

Initial report from: 03/05/2021 12:59:01

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EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
480S3-20-Mastic *162104126-0020A*	Basement RR - Linoleum	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-21 *162104126-0021*	Bsmt Weight Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Drywall *162104126-0022*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	Brown/White Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Joint Compound *162104126-0022A*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Texture *162104126-0022B*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-23 *162104126-0023*	Bsmt Elevator Lobby - Ceiling Tile	White Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
480S3-24-Ceramic Tile *162104126-0024*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Grout *162104126-0024A*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Adhesive *162104126-0024B*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Bedding *162104126-0024C*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-25 *162104126-0025*	Bsmt Stairs - Vinyl Stair Tread	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-26 *162104126-0026*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-27 *162104126-0027*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-28 *162104126-0028*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-29 *162104126-0029*	North Basement Air Handler - Vibration Cloth	Gray Fibrous Homogeneous	40% Synthetic	10% Non-fibrous (Other)	50% Chrysotile
480S3-30-Ceramic Tile *162104126-0030*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-30-Grout *162104126-0030A*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected

Initial report from: 03/05/2021 12:59:01

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EMSL Order:	162104126
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480S3-30-Adhesive *162104126-0030B*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Amanda Straw (52)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 03/05/2021 12:59:01

OrderID: 162103526

...RONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-23-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-22-21	48053-31	3rd floor 78 Bldg Entry to Running Track	Ceiling Tile	
2-22-21	48053-32	Basement 1962 Locker Rooms (central)	Linoleum	
2-22-21	48053-33	South Locker Room	Floor tile	
2-22-21	48053-34	South Locker Room	Floor tile	
2-22-21	48053-35	South Locker Room	Floor tile	
2-22-21	48053-36	Stairs to N. Locker Room	Ceiling tile	
2-22-21	48053-37	North locker Room	Ceiling Tile	
2-22-21	48053-38	Central Locker Room	Ceiling Tile	
2-22-21	48053-39	Central Locker Room	Ceiling Tile	
2-22-21	48053-40	Shower Chase	mudded fitting	2% Anosite 3% chrysotile
2-22-21	48053-41	Shower Threshhold	Quarry tile, Grout & Adhesive	
2-22-21	48053-42	1st flor SE Room	Ceiling Tile	
2-22-21	48053-43	Lobby Area at SE Room	Drywall mud	
2-22-21	48053-44	South Lobby	Plaster	
2-22-21	48053-45	SE Room	Floor tile	5%/ND
2-22-21	48053-46	SE Room	Linoleum	
2-22-21	48053-47	East Stairs	Floor tile	
2-22-21	48053-48	East Stairs	Floor tile	
2-22-21	48053-49	East Stairs	Floor tile	
2-22-21	48053-50	East Stairs	Drywall with panel Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day Air
(circle one)

OrderID: 162103526

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

162103526

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-23-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

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Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-22-21	48053-51	1st Floor N. Lobby Area	Floor tile	
2-22-21	48053-52	N. Lobby Area	Floor tile	
2-22-21	48053-53	Storeroom behind counter	Floor tile	2%/ND
2-22-21	48053-54	Old Kitchen (Sprayed on)	Linoleum	
2-22-21	48053-55	North Room	Ceiling Tile	
2-22-21	48053-56	Room North of old Kitchen	Ceiling Tile	
2-22-21	48053-57	1st floor - 78 Bldg Locker Room Lobby	Floor tile	2%/2%
2-22-21	48053-58	SW Room under Carpet	Linoleum	
2-22-21	48053-59	SW Room	Ceiling Tile	
2-22-21	48053-60	Pool Area	Quarry Tile	
2-22-21	48053-61	2nd floor Gym - on conc.	Felt Layers	
2-22-21	48053-62	3rd floor Running Track	Linoleum	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air
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EMSL Analytical, Inc.
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http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103526
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/22/2021

Project: (OLD YMCA) 480 SOUTH 3RD ST. CLINTON IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-31 *162103526-0001*	3RD FLOOR 78 BUILDING ENTRY TO RUNNING TRACK - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-32-Linoleum *162103526-0002*	BASEMENT 1962 LOCKER ROOMS (CENTRAL) - LINOLEUM	Tan Fibrous Heterogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected
48053-32-Mastic *162103526-0002A*	BASEMENT 1962 LOCKER ROOMS (CENTRAL) - LINOLEUM	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-33-Floor Tile *162103526-0003*	SOUTH LOCKER ROOM - FLOOR TILE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-33-Mastic *162103526-0003A*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-34-Floor Tile *162103526-0004*	SOUTH LOCKER ROOM - FLOOR TILE	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-34-Mastic *162103526-0004A*	SOUTH LOCKER ROOM - FLOOR TILE	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Floor Tile *162103526-0005*	SOUTH LOCKER ROOM - FLOOR TILE	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Mastic *162103526-0005A*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Mastic *162103526-0005B*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-36 *162103526-0006*	STAIRS TO N LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-37 *162103526-0007*	NORTH LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-38 *162103526-0008*	CENTRAL LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-39 *162103526-0009*	CENTRAL LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	30% Cellulose 60% Min. Wool	10% Non-fibrous (Other)	None Detected
48053-40 *162103526-0010*	SHOWER CHASE - MUDDED FITTING	Gray Fibrous Homogeneous	50% Min. Wool	45% Non-fibrous (Other)	2% Amosite 3% Chrysotile

Initial report from: 02/26/2021 09:44:30

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EMSL Order:	162103526
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-41-Ceramic Tile *162103526-0011*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-41-Grout *162103526-0011A*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-41-Adhesive *162103526-0011B*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-42 *162103526-0012*	1ST FLOOR SE ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-43 *162103526-0013*	LOBBY AREA AT SE ROOM - DRYWALL MUD	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-44 *162103526-0014*	SOUTH LOBBY - PLASTER	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-45-Floor Tile *162103526-0015*	SE ROOM - FLOOR TILE	Brown Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
48053-45-Mastic *162103526-0015A*	SE ROOM - FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-46 *162103526-0016*	SE ROOM - LINOLEUM	Brown/Black Fibrous Heterogeneous	40% Cellulose 10% Synthetic	50% Non-fibrous (Other)	None Detected
48053-47-Floor Tile *162103526-0017*	EAST STAIRS - FLOOR TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-47-Mastic *162103526-0017A*	EAST STAIRS - FLOOR TILE	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-48-Floor Tile *162103526-0018*	EAST STAIRS - FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-48-Mastic *162103526-0018A*	EAST STAIRS - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-49-Floor Tile *162103526-0019*	EAST STAIRS - FLOOR TILE	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-49-Mastic *162103526-0019A*	EAST STAIRS - FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-50-Drywall *162103526-0020*	EAST STAIRS - DRYWALL WITH PANEL ADHESIVE	Brown/White Fibrous Heterogeneous	25% Cellulose	70% Gypsum 5% Non-fibrous (Other)	None Detected
48053-50-Adhesive *162103526-0020A*	EAST STAIRS - DRYWALL WITH PANEL ADHESIVE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	162103526
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-51-Floor Tile *162103526-0021*	1ST FLOOR N. LOBBY AREA - FLOOR TILE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-51-Mastic *162103526-0021A*	1ST FLOOR N. LOBBY AREA - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-52-Floor Tile *162103526-0022*	N. LOBBY AREA - FLOOR TILE	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-52-Mastic *162103526-0022A*	N. LOBBY AREA - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-53-Floor Tile *162103526-0023*	STORE ROOM BEHIND COUNTER - FLOOR TILE	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-53-Mastic *162103526-0023A*	STORE ROOM BEHIND COUNTER - FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-54 *162103526-0024*	OLD KITCHEN (SPRAYED ON) - LINOLEUM	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-55 *162103526-0025*	NORTH ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-56 *162103526-0026*	ROOM NORTH OF OLD KITCHEN - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-57-Floor Tile *162103526-0027*	1ST FLOOR - 78 BLDG LOCKER ROOM LOBBY - FLOOR TILE	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-57-Mastic *162103526-0027A*	1ST FLOOR - 78 BLDG LOCKER ROOM LOBBY - FLOOR TILE	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-58 *162103526-0028*	SW ROOM UNDER CARPET - LINOLEUM	Gray Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
48053-59 *162103526-0029*	SW ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-60-Ceramic Tile *162103526-0030*	POOL AREA - QUARRY TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-60-Mortar *162103526-0030A*	POOL AREA - QUARRY TILE	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-61 *162103526-0031*	2ND FLOOR GYM - ON CONR. - FELT LAYERS	Black Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-62-Linoleum *162103526-0032*	3RD FLOOR RUNNING TRACK - LINOLEUM	Tan/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
48053-62-Mastic *162103526-0032A*	3RD FLOOR RUNNING TRACK - LINOLEUM	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	162103526
Customer ID:	CFME50
Customer PO:	
Project ID:	

Analyst(s)
Craig Nixon (50)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 09:44:30

OrderID: 162103537

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

03537

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-24-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St. Clinton IA, PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-23-21	48053-63	Exterior NE Entry	Caulk-White with dirt	2% C
2-23-21	48053-64	East Bsmt Window	Gray Caulk	
2-23-21	48053-65	2nd floor - 1905 Stairs East	Floortile	
2-23-21	48053-66	Storage Room	Drywall mud	
2-23-21	48053-67	Restroom South	Linoleum	
2-23-21	48053-68	Restroom South	Plaster	
2-23-21	48053-69	Room 1	Linoleum	2% / NA
2-23-21	48053-76	Room 2	Linoleum	2%
2-23-21	48053-71	Room 3	Linoleum	2%
2-23-21	48053-72	North Hall	Ceiling Tile	
2-23-21	48053-73	Kitchen	Floortile	3% / NA
2-23-21	48053-74	North Restroom	Floortile	
2-23-21	48053-75	1905 - 2nd floor North Room	Floortile	3% / NA
2-23-21	48053-76	1905 2nd floor North Room	Ceiling tile	
2-23-21	48053-77	1905 3rd floor Room 16	Drywall mud	
2-23-21	48053-78	Room 18	Ceiling Tile	
2-23-21	48053-79	Room 13	Plaster / Texture?	<1% / NA
2-23-21	48053-80	Restroom	Ceiling Tile	
2-23-21	48053-81	Restroom	Quarry tile-Grout + Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day Air
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6340 CastlePlace Dr. Indianapolis, IN 46250
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http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103537
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/24/2021

Project: (Old YMCA) 480 South 3rd Street Clinton IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-63 *162103537-0001*	Exterior NE Entry - Caulk, White with Dirt	Gray/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-64 *162103537-0002*	East Bsmt Window - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-65-Floor Tile *162103537-0003*	2nd Floor - 1905 Stairs East - Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-65-Mastic *162103537-0003A*	2nd Floor - 1905 Stairs East - Floor Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-66 *162103537-0004*	Storage Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-67-Linoleum *162103537-0005*	Restroom South - Linoleum	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-67-Backing *162103537-0005A*	Restroom South - Linoleum	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-68-Finish Coat *162103537-0006*	Restroom South - Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-68-Base Coat *162103537-0006A*	Restroom South - Plaster	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-69-Linoleum *162103537-0007*	Room 1 - Linoleum	Gray/Black Fibrous Homogeneous	20% Cellulose	78% Non-fibrous (Other)	2% Chrysotile
48053-69-Backing *162103537-0007A*	Room 1 - Linoleum	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-70 *162103537-0008*	Room 2 - Linoleum	Black/Green Fibrous Homogeneous	15% Cellulose	83% Non-fibrous (Other)	2% Chrysotile
48053-71 *162103537-0009*	Room 3 - Linoleum	Gray/Black Fibrous Homogeneous	20% Cellulose	78% Non-fibrous (Other)	2% Chrysotile
48053-72 *162103537-0010*	North Hall - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-73-Floor Tile *162103537-0011*	Kitchen - Floor Tile	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
48053-73-Mastic *162103537-0011A*	Kitchen - Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/26/2021 12:25:41

EMSL Analytical, Inc.
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EMSL Order:	162103537
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-74-Floor Tile *162103537-0012*	North Restroom - Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-74-Mastic *162103537-0012A*	North Restroom - Floor Tile	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-75-Floor Tile *162103537-0013*	1905 2nd Floor North Room - Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
48053-75-Mastic *162103537-0013A*	1905 2nd Floor North Room - Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-76 *162103537-0014*	1905 2nd Floor North Room - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-77 *162103537-0015*	1905 3rd Floor Room 16 - Drywall Mud	White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
48053-78 *162103537-0016*	Room 18 - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-79-Texture *162103537-0017*	Room 13 - Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
48053-79-Plaster *162103537-0017A*	Room 13 - Plaster	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
48053-80 *162103537-0018*	Restroom - Ceiling Tile	Brown/White Fibrous Heterogeneous	30% Cellulose	60% Gypsum 10% Non-fibrous (Other)	None Detected
48053-81-Tile *162103537-0019*	Restroom - Quarry Tile - Grout + Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-81-Grout *162103537-0019A*	Restroom - Quarry Tile - Grout + Adhesive	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
48053-81-Adhesive *162103537-0019B*	Restroom - Quarry Tile - Grout + Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Shannon Clegg (29)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 12:25:41

OrderID: 162103520

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-24-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-24-21	48053-82	Tilt up Conc. joints	Gray Caulk	
2-24-21	48053-83	Base of Tilt up Conc.	Black Tar	
2-24-21	48053-84	Brick joints	white Caulk	
2-24-21	48053-85	Boiler Room Alum. Wind.	Glazing	
2-24-21	48053-86	1905 Building Window open.	Aggregate Panels	
2-24-21	48053-87	1962 Roof Field	Built up roof layers	
2-24-21	48053-88	1962 Roof Flashings	Built up roof layers	3%
2-24-21	48053-89	1978 Roof Field	Built up roof layers	
2-24-21	48053-90	1978 Roof Flashings	Built up roof layers	10%
2-24-21	48053-91	1978 Lower Roof Field	Built up roof layers	
2-24-21	48053-92	1978 Lower Roof Flashings	Built up roof layers	2%
2-24-21	48053-93	1978 Lower Roof New Flashings	Black Tar	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air
circle one

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103520
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Project: 480 S 3RD ST CLINTON IA

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/24/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-82 *162103520-0001*	TILT UP CONC. JOINTS - GRAY CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-83 *162103520-0002*	BASE OF TILT UP CONC. - BLACK TAR	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-84 *162103520-0003*	BRICK JOINTS - WHITE CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-85 *162103520-0004*	BOILER ROOM ALUM. WIND. - GLAZING	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-86 *162103520-0005*	1905 BUILDING WINDOW OPEN. - AGGREGATE PANELS	Gray Non-Fibrous Homogeneous	<1% Glass	15% Quartz 85% Non-fibrous (Other)	None Detected
48053-87 *162103520-0006*	1962 ROOF FIELD - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
48053-88 *162103520-0007*	1962 ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	72% Non-fibrous (Other)	3% Chrysotile
48053-89 *162103520-0008*	1978 ROOF FIELD - BUILT UP ROOF LAYERS	Black/Yellow Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
48053-90 *162103520-0009*	1978 ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	20% Cellulose	70% Non-fibrous (Other)	10% Chrysotile
48053-91 *162103520-0010*	1978 LOWER ROOF FIELD - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
48053-92 *162103520-0011*	1978 LOWER ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	73% Non-fibrous (Other)	2% Chrysotile
48053-93 *162103520-0012*	1978 LOWER ROOF NEW FLASHINGS - BLACK TAR	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/26/2021 08:11:52

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order:	162103520
Customer ID:	CFME50
Customer PO:	
Project ID:	

Analyst(s)
Craig Nixon (12)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 08:11:52

OrderID: 162104263

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

04263

BULK SAMPLE ANALYSIS REQUEST

DATE: 3-3-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
3-2-21	48053-94	Boiler Room T6	mudded fitting	5% chry
3-2-21	48053-95	Boiler Room-Boiler 1	Door gasket	40% chy.
3-2-21	48053-96	Boiler Room Boiler door - refractory cement		ND
3-2-21	48053-97	1905 Basement-SE Chase T6	mudded fittings	5% Am. 10% chry
3-2-21	48053-98	1905 1st floor Restroom T6	mudded fittings	2% amo 5% chry

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING Ground Next Day Air
(circle one)

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104263
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 03/05/2021 10:40 AM
Analysis Date: 03/05/2021
Collected Date: 03/02/2021

Project: (Old YMCA) 480 South 3rd St., Clinton, IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
480S3-94 *162104263-0001*	Boiler Room T6 - Mudded Fitting	Gray Fibrous Homogeneous	60% Min. Wool	35% Non-fibrous (Other)	5% Chrysotile
480S3-95 *162104263-0002*	Boiler Room-Boiler 1 - Door Gasket	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Non-fibrous (Other)	40% Chrysotile
480S3-96 *162104263-0003*	Boiler Room Boiler Door - Refractory Cement	Tan Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-97 *162104263-0004*	1905 Basement SE Chase T6 - Mudded Fittings	Gray Fibrous Homogeneous	30% Min. Wool	55% Non-fibrous (Other)	5% Amosite 10% Chrysotile
480S3-98 *162104263-0005*	1905 1st Floor Restroom T6 - Mudded Fittings	Gray Fibrous Homogeneous	80% Min. Wool	13% Non-fibrous (Other)	2% Amosite 5% Chrysotile

Analyst(s)
Ross Matlock (5)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

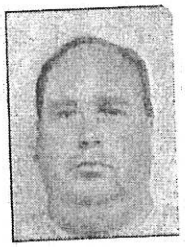
Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 03/05/2021 12:42:29

JEFF STAHR

DOB: 01-02-1965

Issued: 01-06-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5440	12-29-2021
SUPERVISOR	20-3852	01-27-2021

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

APPENDIX D

Environmental Management Services of Iowa, Inc. Asbestos Inspection Report

Asbestos Inspection Report

SUBMITTED TO:

City of Clinton
P. O. Box 2958
Clinton, IA 52733-2958

Asbestos Inspection

LOCATION:

Former YMCA
480 South 3rd Street
Clinton, IA 52732

Prepared By:

Environmental Management Services of Iowa, Inc.
5170 Wolff Road, #2
Dubuque, IA 52002-2563
(563) 583-0808

Environmental Management Services of Iowa, Inc. - 5170 Wolff Road, #2 - Dubuque, IA 52002-2563 - (563) 583-0808

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
1905 Building							
Basement	Southeast Room	9" X 9" floor tile (red and brown) and mastic	378	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Basement	South Restroom	cement board wall panels	36	sq. ft.	Chrysotile	25%	Non-friable
Basement	South Restroom	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	5%	Friable
Basement	Southwest Room	9" X 9" floor tile (red and brown) (under carpet)	272	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Basement	Southwest Room	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	3%	Friable
Basement	South Main Room	9" X 9" floor tile (beige with tan and brown spots)	2,300	sq. ft.	Chrysotile	2%	Non-friable
Basement	South Main Room	cement board ceiling panels	1,340	sq. ft.	Chrysotile	25%	Non-friable
Basement	South Main Room	mudded joint fittings (on fiberglass insulation)	53	MJFs	Chrysotile	3%	Friable
Basement	South Main Room	woolsfelt pipe insulation	221	ln. ft.	Chrysotile	2%-3%	Friable
Basement	South Main Room	mudded joint fittings (on woolsfelt pipe insulation)	38	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Closet (by Tunnel)	mudded joint fittings (on woolsfelt pipe insulation)	2	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Closet (by Tunnel)	woolsfelt pipe insulation	12	ln. ft.	Chrysotile	2%-3%	Friable
Basement	Closet (by Tunnel)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable
Basement	Small Office	magnesia pipe insulation	7	ln. ft.	Chrysotile	2%	Friable
Basement	Small Office	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	East Stairs	magnesia pipe insulation	1	ln. ft.	Chrysotile	2%	Friable
Basement	East Stairs	woolsfelt pipe insulation	7	ln. ft.	Chrysotile	2%-3%	Friable
Basement	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	28	sq. ft.	Chrysotile	2%	Non-friable
Basement	North Room	mudded joint fittings (on fiberglass insulation)	50	MJFs	Chrysotile	3%	Friable
Basement	Mechanical Room	vibration dampener cloth	2	dampeners	Chrysotile	50%	Friable
Basement	Mechanical Room	mudded joint fittings (on fiberglass insulation)	5	MJFs	Chrysotile	3%	Friable
Basement	Tunnel (to Boiler Room)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable
Basement	Boiler Room	mudded joint fittings (on fiberglass insulation)	45	MJFs	Chrysotile	3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Basement	Boiler Room	woolsfelt pipe insulation	80	ln. ft.	Chrysotile	2%-3%	Friable
Basement	Boiler Room	mudded joint fittings (on woolsfelt pipe insulation)	30	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Boiler Room	breeching insulation	200	sq. ft.	Amosite	10%	Friable
Basement	Boiler Room	boiler door gaskets	2	gaskets	Chrysotile	40%	Friable
First Floor	Southeast Room	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	830	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Southwest Room	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	192	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Lobby Area	9" X 9" floor tile (beige with tan and brown streaks) (under carpet and underlayment)	300	sq. ft.	Chrysotile	5%	Non-friable
First Floor	Lobby Area Southwest	mudded joint fittings (on fiberglass insulation in small chase)	3	MJFs	Chrysotile	3%	Friable
First Floor	Lobby Area Northwest	woolsfelt pipe insulation	14	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Lobby Area Northwest	mudded joint fittings (on woolsfelt pipe insulation)	1	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Lobby Area Northwest	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
First Floor	Store Room (by counter)	9" X 9" floor tile (multiple colors)	108	sq. ft.	Chrysotile	2%-5%	Non-friable
First Floor	Store Room (by counter)	woolsfelt pipe insulation	6	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Store Room (by counter)	mudded joint fittings (on woolsfelt pipe insulation)	1	ln. ft.	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Restroom and Chase	woolsfelt pipe insulation	60	ln. ft.	Chrysotile	2%-3%	Friable
First Floor	Restroom and Chase	mudded joint fittings (on woolsfelt pipe insulation)	8	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Restroom and Chase	mudded joint fittings (on fiberglass insulation)	6	MJFs	Chrysotile	3%	Friable
First Floor	Kitchenette (behind wall)	mudded joint fittings (on fiberglass insulation)	3	MJFs	Chrysotile	3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
First Floor	East Stairs	9" X 9" floor tile (beige with brown streaks) (under non-asbestos floor tile and underlayment)	180	sq. ft.	Chrysotile	5%	Non-friable
First Floor	East Entry Exterior	white caulk (on wood)	20	ln. ft.	Chrysotile	2%	Non-friable
First Floor	North Entry Exterior	white caulk (on wood)	20	ln. ft.	Chrysotile	2%	Non-friable
Second Floor	North Room	9" X 9" floor tile (beige with streaks)	1,620	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	North Room Office Storage	9" X 9" floor tile (beige with streaks)	250	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	North Hallway	9" X 9" floor tile (beige with streaks)	270	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Landing Hall	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	80	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Stairs	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	150	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Halls and Janitor's Closets	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	450	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	South Restroom	9" X 9" floor tile (beige with streaks) (under non-asbestos linoleum)	100	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	South Restroom Chase	woolsfelt pipe insulation	20	ln. ft.	Chrysotile	2%-3%	Friable
Second Floor	South Restroom Chase	mudded joint fittings (on woolsfelt pipe insulation)	11	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Second Floor	Laundry Room	9" X 9" floor tile (beige with streaks) (under non-asbestos 12" X 12" floor tile and underlayment)	50	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Large West Apartment and Closet	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	330	sq. ft.	Chrysotile	5%	Non-friable
Second Floor	Old Kitchen	9" X 9" floor tile (white with brown streaks) (on underlayment)	320	sq. ft.	Chrysotile	3%	Non-friable
Second Floor	Old Kitchen	9" X 9" floor tile (red and brown) (under 9" X 9" floor tile and underlayment) and mastic	320	sq. ft.	Chrysotile	Floor Tile=3%, Mastic=3%	Non-friable
Second Floor	Room 1	linoleum (tan) (under carpet and underlayment)	210	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 2	linoleum (green) (under carpet and underlayment)	210	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 3	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Second Floor	Room 4	linoleum (gray) (under carpet and underlayment)	170	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 5	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 6	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Room 7	linoleum (gray) (under carpet and underlayment)	170	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	North Hall	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	280	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Stairs	9" X 9" floor tile (beige with streaks) (under non-asbestos 12" X 12" floor tile and underlayment)	110	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Lobby and Halls	9" X 9" floor tile (beige with streaks) (under carpet and underlayment)	1,000	sq. ft.	Chrysotile	5%	Non-friable
Third Floor	Room 8	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 9	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 10	linoleum (tan) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 11	linoleum (tan) (under carpet and underlayment)	150	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 12	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 13	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 14	linoleum (gray) (under carpet and underlayment)	150	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 15	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 16	linoleum (gray) (under carpet and underlayment)	200	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 17	linoleum (gray) (under carpet and underlayment)	180	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 18	linoleum (gray) (under carpet and underlayment)	155	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 19	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 20	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 21	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 22	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 23	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 24	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.
# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Third Floor	Room 25	linoleum (gray) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 26	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 27	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
Third Floor	Room 28	linoleum (green) (under carpet and underlayment)	160	sq. ft.	Chrysotile	2%	Non-friable
1961 Building							
Basement	Pool Mechanical Room	heat exchanger insulation	10	sq. ft.	Amosite, Chrysotile	5%, 2%	Friable
Basement	Pool Mechanical Room	woolsfelt pipe insulation debris	10	sq. ft.	Chrysotile	2%-3%	Friable
Basement	Pool Mechanical Room	mudded joint fittings (on fiberglass insulation)	10	MJFs	Chrysotile	3%	Friable
Basement	Pool Storage	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	Pool Storage Hall	mudded joint fittings (on fiberglass insulation)	2	MJFs	Chrysotile	3%	Friable
Basement	Locker Room and Shower Area	9" X 9" floor tile (beige with tan and brown spots) (most under carpet)	2,240	sq. ft.	Chrysotile	2%	Non-friable
Basement	Locker Room and Shower Area	cement board panel (as ceiling repair)	8	sq. ft.	Chrysotile	25%	Non-friable
Basement	Locker Room and Shower Area	woolsfelt pipe insulation	300	sq. ft.	Chrysotile	2%-3%	Friable
Basement	Locker Room and Shower Area	mudded joint fittings (on woolsfelt pipe insulation)	120	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
Basement	Locker Room and Shower Area	mudded joint fittings (on fiberglass insulation)	85	MJFs	Chrysotile	3%	Friable
First Floor	Pool	cement board panels (on ceiling)	3,700	sq. ft.	Chrysotile	25%	Non-friable
First Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
First Floor	Exercise Room	mudded joint fittings (on fiberglass insulation)	7	MJFs	Chrysotile	3%	Friable
First Floor	Mechanical Room	mudded joint fittings (on fiberglass insulation)	25	MJFs	Chrysotile	3%	Friable
First Floor	Mechanical Room	mudded joint fittings (on woolsfelt pipe insulation)	13	MJFs	Amosite, Chrysotile	2%-5%, 5%-10%	Friable
First Floor	Mechanical Room	woolsfelt pipe insulation	33	ln. ft.	Chrysotile	2%-3%	Friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
First Floor	Mechanical Room	vibration dampener cloth	9	dampeners	Chrysotile	50%	Friable
First Floor	Handball Hall	9" X 9" floor tile (beige with tan and brown spots)	420	sq. ft.	Chrysotile	2%	Non-friable
First Floor	North Stairs	9" X 9" floor tile (beige with tan and brown spots)	200	sq. ft.	Chrysotile	2%	Non-friable
First Floor	East Stairs	mudded joint fittings (on fiberglass insulation)	1	MJFs	Chrysotile	3%	Friable
Second Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Stairs	9" X 9" floor tile (beige with tan and brown spots)	200	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Handball Balcony	9" X 9" floor tile (beige with tan and brown spots)	420	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Hall	9" X 9" floor tile (beige with tan and brown spots)	350	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	North Hall	mudded joint fittings (on fiberglass insulation)	1	MJF	Chrysotile	5%	Friable
Second Floor	Gym Office and Entry	9" X 9" floor tile (beige with tan and brown spots)	153	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	South Hall	9" X 9" floor tile (beige with tan and brown spots)	90	sq. ft.	Chrysotile	2%	Non-friable
Second Floor	Gymnasium	mudded joint fittings (on fiberglass insulation)	11	MJFs	Chrysotile	3%	Non-friable
Third Floor	East Stairs	9" X 9" floor tile (beige with tan and brown spots)	150	sq. ft.	Chrysotile	2%	Non-friable
Roof	Lower Roof	built up roof flashings (under newer roofing)	220	ln. ft.	Chrysotile	2%	Non-friable
Roof	Upper Roof	built up roof flashings (under newer roofing)	300	ln. ft.	Chrysotile	3%	Non-friable
1978 Building							
First Floor	Southeast Lobby and Hall	12" X 12" floor tile (white with brown streaks) and mastic	800	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	East Stairs	12" X 12" floor tile (white with brown streaks) and mastic	32	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	West Central Locker Room Area	12" X 12" floor tile (white with brown streaks) and mastic (most under carpet or ceramic tile)	1,530	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
First Floor	Pool	cement board panels	132	sq. ft.	Chrysotile	25%	Non-friable
Second Floor	Handball Hall	12" X 12" floor tile (white with brown streaks) and mastic	120	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	Main Hall and Janitor's Closet	12" X 12" floor tile (white with brown streaks) and mastic	290	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.

# of Floors: 4

BUILDING INSPECTED: Former YMCA, 480 South 3rd Street, Clinton, IA 52732

Year Constructed: 1905, 1961, 1978

INSPECTOR: Jeff Stahr

DATE INSPECTED: 02/18/2021, 02/22/2021 - 02/24/2021, 03/02/2021

Inspection Comments:

An asbestos inspection was performed to identify potentially friable and non-friable asbestos containing materials.

The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE
Second Floor	West Office	12" X 12" floor tile (white with brown streaks) and mastic	165	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	East Office	12" X 12" floor tile (white with brown streaks) and mastic (under carpet)	155	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Second Floor	Gymnasium Drinking Fountain	12" X 12" floor tile (white with brown streaks) and mastic	10	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Third Floor	Hallway	12" X 12" floor tile (white with brown streaks) and mastic	185	sq. ft.	Chrysotile	Floor Tile=2%, Mastic=2%	Non-friable
Roof	Upper Roof	built up roof flashings (under newer roofing)	360	ln. ft.	Chrysotile	10%	Non-friable
Roof	Lower Roof	built up roof flashings (under newer roofing)	225	ln. ft.	Chrysotile	10%	Non-friable

DEFINITIONS:
Friable = easily crumbled / can be crumbled, pulverized, or reduced to powder by the pressure of an ordinary human hand
Non-friable = cannot be pulverized under hand pressure

All other discovered suspect materials not listed above were also sampled and analyzed, and do not contain asbestos.
Please see the Bulk Sample Results.



Jeff Stahr, Inspector

21-5440
State of Iowa
Asbestos Inspector License #

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

ASBESTOS CONTAINING MATERIALS INSPECTION SUMMARY

CLIENT: City of Clinton, P. O. Box 2958, Clinton, IA 52733-2958

Building Size: 81,000 sq. ft.
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Inspection Comments:

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The following asbestos materials were identified:

SECTION	ROOM(S)/LOCATION	DESCRIPTION OF ASBESTOS MATERIAL	AMOUNT	UNIT OF MEASUREMENT	TYPE OF ASBESTOS	% OF ASBESTOS	FRIABLE OR NON-FRIABLE

NOTES:

To keep disturbance to building materials and damage to property minimum, a limited number of spot checks were done to visualize suspect asbestos materials and collect necessary samples for testing. Therefore, suspect asbestos materials may be hidden and may be uncovered during the renovation and/or demolition processes.

Local and State regulations may require asbestos containing materials to be removed by a licensed asbestos abatement contractor. An Asbestos Notification and fee may be required to be submitted to the appropriate government agencies either ten calendar days or ten working days (depending on the type and amount of asbestos being removed) prior to starting asbestos work.

A renovation project when there is still asbestos present in a structure, may require a Renovation Notification and fee to be submitted to the appropriate government agencies ten working days prior to starting renovation work.

A demolition project, which includes the removal of any load bearing walls and/or complete demolition of a structure, may require a Demolition Notification and fee to be submitted to the appropriate government agencies ten working days prior to starting demolition work.

Materials with less than 1% asbestos content are not required to be removed by a licensed asbestos abatement contractor. However, these materials are still to be handled by following proper regulations and safe work practices. The building owner may still opt to have a licensed asbestos abatement contractor remove this type of material.

*** Amounts of material are approximations. Contractors are responsible for verifying measurements.**

OrderID: 162104126

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

04126

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-19-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 S. 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc. (317) 803-2997 FAX: (317) 803-3047
2001 East 52nd Street Main Office: 1-800-220-3675
Indianapolis, IN 46205

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-18-21	48053-01	Pool Filter Room	Heatexchanger Mag Ins.	5% Amosite 2% chrysotile
2-18-21	48053-02	Pool Filter Room	Mudded fitting	2% chrysotile (C)
2-18-21	48053-03	Pool Filter Room	Woolsfelt pipe ins.	2% C
2-18-21	48053-04	Boiler Room	Mud on breeching	10% Amosite
2-18-21	48053-05	Boiler Room	mudded fitting	3% C
2-18-21	48053-06	Boiler Room	Woolsfelt pipe ins.	3% C
2-18-21	48053-07	Basement Near S. Storage	mudded joint fitting	3% C
2-18-21	48053-08	Basement Stair landing	Woolsfelt pipe ins.	2%
2-18-21	48053-09	1st floor Restroom Chase	mudded joint fitting	<1% Amosite 2% chr
2-18-21	48053-10	1st floor Restroom Chase	Woolsfelt pipe ins.	2% C
2-18-21	48053-11	Basement Stair landing	Mag pipe ins.	2% C
2-18-21	48053-12	Basement SE Room	9x9 Floor tile	3% / 3%
2-18-21	48053-13	Basement SE Room	9x9 Floor tile	3% / 3%
2-18-21	48053-14	Main BSMT area - South	9x9 Floor tile	2% / ND
2-18-21	48053-15	Main BSMT area South-West Side	Cement board ceiling	25% C
2-18-21	48053-16	Basement near S. Storage	Ceiling Tile	<1%
2-18-21	48053-17	Basement near Coal room	Ceiling Tile	
2-18-21	48053-18	Basement SE Room	Dry wall, mud + pc Texture	
2-18-21	48053-19	Basement RR	Plaster	
2-18-21	48053-20	Basement RR	Linoleum	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air

OrderID: 162104126

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

04126

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-19-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 S. 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-18-21	48053-21	Bsmt Weight Room	Drywall mud pc Texture	
2-18-21	48053-22	Bsmt Elevator Lobby	popcorn ceiling Texture	
2-18-21	48053-23	Bsmt Elevator Lobby	Ceiling Tile	
2-18-21	48053-24	Bsmt Former Restroom	Ceramic wall Tile, Grout + Adh	
2-18-21	48053-25	Bsmt Stairs	Vinyl stair Tred	
2-18-21	48053-26	North Basement	popcorn ceiling Texture	
2-18-21	48053-27	North Basement	popcorn Ceiling Texture	
2-18-21	48053-28	North Basement	popcorn ceiling Texture	
2-18-21	48053-29	North Basement Air Handler	Vibration Cloth	50% c
2-18-21	48053-30	Bsmt Former Restroom	Quarry tile, Grout + Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day AM
Telephone

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Project: 480 South 3rd St Clinton IA

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 03/04/2021 10:15 AM
Analysis Date: 03/05/2021
Collected Date: 02/18/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
480S3-01 *162104126-0001*	Pool Filter Room - Heat Exchanger Mag Ins.	White Non-Fibrous Homogeneous		93% Non-fibrous (Other)	5% Amosite 2% Chrysotile
480S3-02 *162104126-0002*	Pool Filter Room - Mudded Fitting	Gray Fibrous Homogeneous	5% Synthetic 30% Min. Wool	63% Non-fibrous (Other)	2% Chrysotile
480S3-03-Insulation *162104126-0003*	Pool Filter Room - Woolsfelt Pipe Ins.	Gray Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile
480S3-03-Paper *162104126-0003A*	Pool Filter Room - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
480S3-04 *162104126-0004*	Boiler Room - Mud on Breeching	Gray/White Fibrous Homogeneous		90% Non-fibrous (Other)	10% Amosite
480S3-05 *162104126-0005*	Boiler Room - Mudded Fitting	Gray Fibrous Homogeneous	40% Min. Wool	57% Non-fibrous (Other)	3% Chrysotile
480S3-06-Insulation *162104126-0006*	Boiler Room - Woolsfelt Pipe Ins.	Brown/Gray Fibrous Homogeneous	95% Cellulose	2% Non-fibrous (Other)	3% Chrysotile
480S3-06-Paper *162104126-0006A*	Boiler Room - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
480S3-07 *162104126-0007*	Basement near S. Storage - Mudded Joint Fitting	Gray Fibrous Homogeneous	40% Min. Wool	57% Non-fibrous (Other)	3% Chrysotile
480S3-08-Wrap *162104126-0008*	Basement Stair Landing - Woolsfelt Pipe Ins.	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
480S3-08-Felt *162104126-0008A*	Basement Stair Landing - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-08-Insulation *162104126-0008B*	Basement Stair Landing - Woolsfelt Pipe Ins.	Gray/Black Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile
480S3-09 *162104126-0009*	1st Floor Restroom Chase - Mudded Joint Fitting	Gray Fibrous Homogeneous	30% Min. Wool	68% Non-fibrous (Other)	<1% Amosite 2% Chrysotile
480S3-10-Wrap *162104126-0010*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Tan Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
480S3-10-Felt *162104126-0010A*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-10-Insulation *162104126-0010B*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Brown/Gray Fibrous Homogeneous	95% Cellulose	3% Non-fibrous (Other)	2% Chrysotile

Initial report from: 03/05/2021 12:59:01

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480S3-10-Felt *162104126-0010C*	1st Floor Restroom Chase - Woolsfelt Pipe Ins.	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
480S3-11 *162104126-0011*	Basement Stair Landing - Mag Pipe Ins.	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
480S3-12-Floor Tile *162104126-0012*	Basement SE Room - 9x9 Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-12-Mastic *162104126-0012A*	Basement SE Room - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-13-Floor Tile *162104126-0013*	Basement SE Room - 9x9 Floor Tile	Red Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-13-Mastic *162104126-0013A*	Basement SE Room - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
480S3-14-Mastic *162104126-0014*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Yellow/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-14-Floor Tile *162104126-0014A*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Tan Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
480S3-14-Mastic *162104126-0014B*	Main Bsmt Area-Southwest - 9x9 Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-15 *162104126-0015*	Main Bsmt Area South-side - Cementboard Ceiling	Gray Fibrous Homogeneous		75% Non-fibrous (Other)	25% Chrysotile
480S3-16 *162104126-0016*	Basement near S. Storage - Ceiling Tile	Gray/White Fibrous Homogeneous	95% Min. Wool	5% Non-fibrous (Other)	<1% Chrysotile
480S3-17 *162104126-0017*	Basement near Coat Room - Ceiling Tile	Gray/White Fibrous Homogeneous	60% Cellulose 15% Min. Wool	20% Perlite 5% Non-fibrous (Other)	None Detected
480S3-18-Drywall *162104126-0018*	Basement SE Room - Drywall, Mud + PC Texture	Brown/White Fibrous Heterogeneous	20% Cellulose	70% Gypsum 10% Non-fibrous (Other)	None Detected
480S3-18-Joint Compound *162104126-0018A*	Basement SE Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-18-Texture *162104126-0018B*	Basement SE Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-19-Finish Coat *162104126-0019*	Basement RR - Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-19-Base Coat *162104126-0019A*	Basement RR - Plaster	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-20-Linoleum *162104126-0020*	Basement RR - Linoleum	Tan/White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

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EMSL Order: 162104126
Customer ID: CFME50
Customer PO:
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
480S3-20-Mastic *162104126-0020A*	Basement RR - Linoleum	Tan/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-21 *162104126-0021*	Bsmt Weight Room - Drywall, Mud + PC Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Drywall *162104126-0022*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	Brown/White Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Joint Compound *162104126-0022A*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-22-Texture *162104126-0022B*	Bsmt Elevator Lobby - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-23 *162104126-0023*	Bsmt Elevator Lobby - Ceiling Tile	White Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
480S3-24-Ceramic Tile *162104126-0024*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Grout *162104126-0024A*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Adhesive *162104126-0024B*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-24-Bedding *162104126-0024C*	Bsmt Former Restroom - Ceramic Wall Tile, Grout + Adh.	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-25 *162104126-0025*	Bsmt Stairs - Vinyl Stair Tread	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-26 *162104126-0026*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-27 *162104126-0027*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-28 *162104126-0028*	North Basement - Popcorn Ceiling Texture	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-29 *162104126-0029*	North Basement Air Handler - Vibration Cloth	Gray Fibrous Homogeneous	40% Synthetic	10% Non-fibrous (Other)	50% Chrysotile
480S3-30-Ceramic Tile *162104126-0030*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
480S3-30-Grout *162104126-0030A*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected

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EMSL Order:	162104126
Customer ID:	CFME50
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Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
480S3-30-Adhesive *162104126-0030B*	Bsmt Former Restroom - Quarry Tile, Grout + Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Amanda Straw (52)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 03/05/2021 12:59:01

OrderID: 162103526

...RONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-23-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-22-21	48053-31	3rd floor 78 Bldg Entry to Running Track	Ceiling Tile	
2-22-21	48053-32	Basement 1962 Locker Rooms (central)	Linoleum	
2-22-21	48053-33	South Locker Room	Floor tile	
2-22-21	48053-34	South Locker Room	Floor tile	
2-22-21	48053-35	South Locker Room	Floor tile	
2-22-21	48053-36	Stairs to N. Locker Room	Ceiling tile	
2-22-21	48053-37	North locker Room	Ceiling Tile	
2-22-21	48053-38	Central Locker Room	Ceiling Tile	
2-22-21	48053-39	Central Locker Room	Ceiling Tile	
2-22-21	48053-40	Shower Chase	mudded fitting	2% Anosite 3% chrysotile
2-22-21	48053-41	Shower Threshhold	Quarry tile, Grout & Adhesive	
2-22-21	48053-42	1st flor SE Room	Ceiling Tile	
2-22-21	48053-43	Lobby Area at SE Room	Drywall mud	
2-22-21	48053-44	South Lobby	Plaster	
2-22-21	48053-45	SE Room	Floor tile	5%/ND
2-22-21	48053-46	SE Room	Linoleum	
2-22-21	48053-47	East Stairs	Floor tile	
2-22-21	48053-48	East Stairs	Floor tile	
2-22-21	48053-49	East Stairs	Floor tile	
2-22-21	48053-50	East Stairs	Drywall with panel Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day Air
(circle one)

OrderID: 162103526

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

162103526

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-23-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-22-21	48053-51	1st Floor N. Lobby Area	Floor tile	
2-22-21	48053-52	N. Lobby Area	Floor tile	
2-22-21	48053-53	Storeroom behind counter	Floor tile	2%/ND
2-22-21	48053-54	Old Kitchen (Sprayed on)	Linoleum	
2-22-21	48053-55	North Room	Ceiling Tile	
2-22-21	48053-56	Room North of old Kitchen	Ceiling Tile	
2-22-21	48053-57	1st floor - 78 Bldg Locker Room Lobby	Floor tile	2%/2%
2-22-21	48053-58	SW Room under Carpet	Linoleum	
2-22-21	48053-59	SW Room	Ceiling Tile	
2-22-21	48053-60	Pool Area	Quarry Tile	
2-22-21	48053-61	2nd floor Gym - on conc.	Felt Layers	
2-22-21	48053-62	3rd floor Running Track	Linoleum	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

SHIPPING: Ground Next Day Air
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EMSL Order: 162103526
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/22/2021

Project: (OLD YMCA) 480 SOUTH 3RD ST. CLINTON IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-31 *162103526-0001*	3RD FLOOR 78 BUILDING ENTRY TO RUNNING TRACK - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-32-Linoleum *162103526-0002*	BASEMENT 1962 LOCKER ROOMS (CENTRAL) - LINOLEUM	Tan Fibrous Heterogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected
48053-32-Mastic *162103526-0002A*	BASEMENT 1962 LOCKER ROOMS (CENTRAL) - LINOLEUM	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-33-Floor Tile *162103526-0003*	SOUTH LOCKER ROOM - FLOOR TILE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-33-Mastic *162103526-0003A*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-34-Floor Tile *162103526-0004*	SOUTH LOCKER ROOM - FLOOR TILE	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-34-Mastic *162103526-0004A*	SOUTH LOCKER ROOM - FLOOR TILE	Black/Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Floor Tile *162103526-0005*	SOUTH LOCKER ROOM - FLOOR TILE	Green Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Mastic *162103526-0005A*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-35-Mastic *162103526-0005B*	SOUTH LOCKER ROOM - FLOOR TILE	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-36 *162103526-0006*	STAIRS TO N LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	50% Cellulose 30% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-37 *162103526-0007*	NORTH LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-38 *162103526-0008*	CENTRAL LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-39 *162103526-0009*	CENTRAL LOCKER ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	30% Cellulose 60% Min. Wool	10% Non-fibrous (Other)	None Detected
48053-40 *162103526-0010*	SHOWER CHASE - MUDDED FITTING	Gray Fibrous Homogeneous	50% Min. Wool	45% Non-fibrous (Other)	2% Amosite 3% Chrysotile

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EMSL Order:	162103526
Customer ID:	CFME50
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Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-41-Ceramic Tile *162103526-0011*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-41-Grout *162103526-0011A*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-41-Adhesive *162103526-0011B*	SHOWER THRESHOLD - QUARRY TILE, GROUT AND ADHESIVE	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-42 *162103526-0012*	1ST FLOOR SE ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	60% Cellulose 20% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-43 *162103526-0013*	LOBBY AREA AT SE ROOM - DRYWALL MUD	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-44 *162103526-0014*	SOUTH LOBBY - PLASTER	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-45-Floor Tile *162103526-0015*	SE ROOM - FLOOR TILE	Brown Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
48053-45-Mastic *162103526-0015A*	SE ROOM - FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-46 *162103526-0016*	SE ROOM - LINOLEUM	Brown/Black Fibrous Heterogeneous	40% Cellulose 10% Synthetic	50% Non-fibrous (Other)	None Detected
48053-47-Floor Tile *162103526-0017*	EAST STAIRS - FLOOR TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-47-Mastic *162103526-0017A*	EAST STAIRS - FLOOR TILE	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-48-Floor Tile *162103526-0018*	EAST STAIRS - FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-48-Mastic *162103526-0018A*	EAST STAIRS - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-49-Floor Tile *162103526-0019*	EAST STAIRS - FLOOR TILE	Pink Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-49-Mastic *162103526-0019A*	EAST STAIRS - FLOOR TILE	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-50-Drywall *162103526-0020*	EAST STAIRS - DRYWALL WITH PANEL ADHESIVE	Brown/White Fibrous Heterogeneous	25% Cellulose	70% Gypsum 5% Non-fibrous (Other)	None Detected
48053-50-Adhesive *162103526-0020A*	EAST STAIRS - DRYWALL WITH PANEL ADHESIVE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	162103526
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-51-Floor Tile *162103526-0021*	1ST FLOOR N. LOBBY AREA - FLOOR TILE	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-51-Mastic *162103526-0021A*	1ST FLOOR N. LOBBY AREA - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-52-Floor Tile *162103526-0022*	N. LOBBY AREA - FLOOR TILE	Blue Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-52-Mastic *162103526-0022A*	N. LOBBY AREA - FLOOR TILE	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-53-Floor Tile *162103526-0023*	STORE ROOM BEHIND COUNTER - FLOOR TILE	Gray Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-53-Mastic *162103526-0023A*	STORE ROOM BEHIND COUNTER - FLOOR TILE	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-54 *162103526-0024*	OLD KITCHEN (SPRAYED ON) - LINOLEUM	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-55 *162103526-0025*	NORTH ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-56 *162103526-0026*	ROOM NORTH OF OLD KITCHEN - CEILING TILE	Gray/White Fibrous Homogeneous	40% Cellulose 40% Min. Wool	15% Perlite 5% Non-fibrous (Other)	None Detected
48053-57-Floor Tile *162103526-0027*	1ST FLOOR - 78 BLDG LOCKER ROOM LOBBY - FLOOR TILE	White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-57-Mastic *162103526-0027A*	1ST FLOOR - 78 BLDG LOCKER ROOM LOBBY - FLOOR TILE	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-58 *162103526-0028*	SW ROOM UNDER CARPET - LINOLEUM	Gray Fibrous Heterogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
48053-59 *162103526-0029*	SW ROOM - CEILING TILE	Gray/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-60-Ceramic Tile *162103526-0030*	POOL AREA - QUARRY TILE	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-60-Mortar *162103526-0030A*	POOL AREA - QUARRY TILE	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-61 *162103526-0031*	2ND FLOOR GYM - ON CONR. - FELT LAYERS	Black Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-62-Linoleum *162103526-0032*	3RD FLOOR RUNNING TRACK - LINOLEUM	Tan/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
48053-62-Mastic *162103526-0032A*	3RD FLOOR RUNNING TRACK - LINOLEUM	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	162103526
Customer ID:	CFME50
Customer PO:	
Project ID:	

Analyst(s)
Craig Nixon (50)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 09:44:30

OrderID: 162103537

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.
5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

03537

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-24-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St. Clinton IA, PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-23-21	48053-63	Exterior NE Entry	Caulk-White with dirt	2% C
2-23-21	48053-64	East Bsmt Window	Gray Caulk	
2-23-21	48053-65	2nd floor - 1905 Stairs East	Floortile	
2-23-21	48053-66	Storage Room	Drywall mud	
2-23-21	48053-67	Restroom South	Linoleum	
2-23-21	48053-68	Restroom South	Plaster	
2-23-21	48053-69	Room 1	Linoleum	2% / NA
2-23-21	48053-76	Room 2	Linoleum	2%
2-23-21	48053-71	Room 3	Linoleum	2%
2-23-21	48053-72	North Hall	Ceiling Tile	
2-23-21	48053-73	Kitchen	Floortile	3% / NA
2-23-21	48053-74	North Restroom	Floortile	
2-23-21	48053-75	1905 - 2nd floor North Room	Floortile	3% / NA
2-23-21	48053-76	1905 2nd floor North Room	Ceiling tile	
2-23-21	48053-77	1905 3rd floor Room 16	Drywall mud	
2-23-21	48053-78	Room 18	Ceiling Tile	
2-23-21	48053-79	Room 13	Plaster / Texture?	<1% / NA
2-23-21	48053-80	Restroom	Ceiling Tile	
2-23-21	48053-81	Restroom	Quarry tile-Grout + Adhesive	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

(OVER)

SHIPPING: Ground Next Day Air
(circle one)

EMSL Analytical, Inc.
6340 CastlePlace Dr. Indianapolis, IN 46250
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103537
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/24/2021

Project: (Old YMCA) 480 South 3rd Street Clinton IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-63 *162103537-0001*	Exterior NE Entry - Caulk, White with Dirt	Gray/White Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
48053-64 *162103537-0002*	East Bsmt Window - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-65-Floor Tile *162103537-0003*	2nd Floor - 1905 Stairs East - Floor Tile	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-65-Mastic *162103537-0003A*	2nd Floor - 1905 Stairs East - Floor Tile	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-66 *162103537-0004*	Storage Room - Drywall Mud	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-67-Linoleum *162103537-0005*	Restroom South - Linoleum	Tan/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-67-Backing *162103537-0005A*	Restroom South - Linoleum	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-68-Finish Coat *162103537-0006*	Restroom South - Plaster	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-68-Base Coat *162103537-0006A*	Restroom South - Plaster	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
48053-69-Linoleum *162103537-0007*	Room 1 - Linoleum	Gray/Black Fibrous Homogeneous	20% Cellulose	78% Non-fibrous (Other)	2% Chrysotile
48053-69-Backing *162103537-0007A*	Room 1 - Linoleum	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-70 *162103537-0008*	Room 2 - Linoleum	Black/Green Fibrous Homogeneous	15% Cellulose	83% Non-fibrous (Other)	2% Chrysotile
48053-71 *162103537-0009*	Room 3 - Linoleum	Gray/Black Fibrous Homogeneous	20% Cellulose	78% Non-fibrous (Other)	2% Chrysotile
48053-72 *162103537-0010*	North Hall - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-73-Floor Tile *162103537-0011*	Kitchen - Floor Tile	White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
48053-73-Mastic *162103537-0011A*	Kitchen - Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/26/2021 12:25:41

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Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order:	162103537
Customer ID:	CFME50
Customer PO:	
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
48053-74-Floor Tile *162103537-0012*	North Restroom - Floor Tile	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-74-Mastic *162103537-0012A*	North Restroom - Floor Tile	Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-75-Floor Tile *162103537-0013*	1905 2nd Floor North Room - Floor Tile	Brown Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
48053-75-Mastic *162103537-0013A*	1905 2nd Floor North Room - Floor Tile	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-76 *162103537-0014*	1905 2nd Floor North Room - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-77 *162103537-0015*	1905 3rd Floor Room 16 - Drywall Mud	White Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
48053-78 *162103537-0016*	Room 18 - Ceiling Tile	Brown/White Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
48053-79-Texture *162103537-0017*	Room 13 - Plaster	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
48053-79-Plaster *162103537-0017A*	Room 13 - Plaster	Gray Non-Fibrous Homogeneous	<1% Hair	20% Quartz 80% Non-fibrous (Other)	None Detected
48053-80 *162103537-0018*	Restroom - Ceiling Tile	Brown/White Fibrous Heterogeneous	30% Cellulose	60% Gypsum 10% Non-fibrous (Other)	None Detected
48053-81-Tile *162103537-0019*	Restroom - Quarry Tile - Grout + Adhesive	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-81-Grout *162103537-0019A*	Restroom - Quarry Tile - Grout + Adhesive	Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
48053-81-Adhesive *162103537-0019B*	Restroom - Quarry Tile - Grout + Adhesive	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)
Shannon Clegg (29)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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

Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 12:25:41

OrderID: 162103520

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

BULK SAMPLE ANALYSIS REQUEST

DATE: 2-24-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
2-24-21	48053-82	Tilt up Conc. joints	Gray Caulk	
2-24-21	48053-83	Base of Tilt up Conc.	Black Tar	
2-24-21	48053-84	Brick joints	white Caulk	
2-24-21	48053-85	Boiler Room Alum. Wind.	Glazing	
2-24-21	48053-86	1905 Building Window open.	Aggregate Panels	
2-24-21	48053-87	1962 Roof Field	Built up roof layers	
2-24-21	48053-88	1962 Roof Flashings	Built up roof layers	3%
2-24-21	48053-89	1978 Roof Field	Built up roof layers	
2-24-21	48053-90	1978 Roof Flashings	Built up roof layers	10%
2-24-21	48053-91	1978 Lower Roof Field	Built up roof layers	
2-24-21	48053-92	1978 Lower Roof Flashings	Built up roof layers	2%
2-24-21	48053-93	1978 Lower Roof New Flashings	Black Tar	

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com (OVER)

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6340 CastlePlace Dr. Indianapolis, IN 46250
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http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162103520
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Project: 480 S 3RD ST CLINTON IA

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 02/25/2021 12:10 PM
Analysis Date: 02/26/2021
Collected Date: 02/24/2021

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
48053-82 *162103520-0001*	TILT UP CONC. JOINTS - GRAY CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-83 *162103520-0002*	BASE OF TILT UP CONC. - BLACK TAR	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-84 *162103520-0003*	BRICK JOINTS - WHITE CAULK	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-85 *162103520-0004*	BOILER ROOM ALUM. WIND. - GLAZING	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
48053-86 *162103520-0005*	1905 BUILDING WINDOW OPEN. - AGGREGATE PANELS	Gray Non-Fibrous Homogeneous	<1% Glass	15% Quartz 85% Non-fibrous (Other)	None Detected
48053-87 *162103520-0006*	1962 ROOF FIELD - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
48053-88 *162103520-0007*	1962 ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	72% Non-fibrous (Other)	3% Chrysotile
48053-89 *162103520-0008*	1978 ROOF FIELD - BUILT UP ROOF LAYERS	Black/Yellow Fibrous Heterogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected
48053-90 *162103520-0009*	1978 ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	20% Cellulose	70% Non-fibrous (Other)	10% Chrysotile
48053-91 *162103520-0010*	1978 LOWER ROOF FIELD - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	75% Non-fibrous (Other)	None Detected
48053-92 *162103520-0011*	1978 LOWER ROOF FLASHINGS - BUILT UP ROOF LAYERS	Black Fibrous Heterogeneous	25% Cellulose	73% Non-fibrous (Other)	2% Chrysotile
48053-93 *162103520-0012*	1978 LOWER ROOF NEW FLASHINGS - BLACK TAR	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Initial report from: 02/26/2021 08:11:52

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EMSL Order:	162103520
Customer ID:	CFME50
Customer PO:	
Project ID:	

Analyst(s)
Craig Nixon (12)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 02/26/2021 08:11:52

OrderID: 162104263

ENVIRONMENTAL MANAGEMENT SERVICES OF IOWA, INC.

5170 Wolff Road, #2
Dubuque, IA 52002
(563) 583-0808 FAX: (563) 583-2206

04263

BULK SAMPLE ANALYSIS REQUEST

DATE: 3-3-21 INSPECTOR: Jeff Stahr

FACILITY: City of Clinton BUILDING #:

BUILDING: 480 South 3rd St Clinton IA PROJECT #:

LABORATORY: EMSL Analytical, Inc.
2001 East 52nd Street
Indianapolis, IN 46205
(317) 803-2997 FAX: (317) 803-3047
Main Office: 1-800-220-3675

DATE SAMPLE TAKEN	SAMPLE NUMBER	LOCATION	SAMPLE DESCRIPTION	
3-2-21	48053-94	Boiler Room T6	mudded fitting	5% chry
3-2-21	48053-95	Boiler Room-Boiler 1	Door gasket	40% chy.
3-2-21	48053-96	Boiler Room Boiler door - refractory cement		ND
3-2-21	48053-97	1905 Basement-SE Chase T6	mudded fittings	5% Am. 10% chry
3-2-21	48053-98	1905 1st floor Restroom T6	mudded fittings	2% amo 5% chry

RESULTS AND INVOICES to be E-mailed to: markemsi@aol.com

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6340 CastlePlace Dr. Indianapolis, IN 46250
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http://www.EMSL.com / indianapolislab@emsl.com

EMSL Order: 162104263
Customer ID: CFME50
Customer PO:
Project ID:

Attention: Mark Hogan
Environmental Management Svs. of Iowa
5170 Wolff Rd. #2
Dubuque, IA 52002

Phone: (563) 583-0808
Fax: (563) 583-2206
Received Date: 03/05/2021 10:40 AM
Analysis Date: 03/05/2021
Collected Date: 03/02/2021

Project: (Old YMCA) 480 South 3rd St., Clinton, IA

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
480S3-94 *162104263-0001*	Boiler Room T6 - Mudded Fitting	Gray Fibrous Homogeneous	60% Min. Wool	35% Non-fibrous (Other)	5% Chrysotile
480S3-95 *162104263-0002*	Boiler Room-Boiler 1 - Door Gasket	Brown/Gray Fibrous Homogeneous	20% Cellulose	40% Non-fibrous (Other)	40% Chrysotile
480S3-96 *162104263-0003*	Boiler Room Boiler Door - Refractory Cement	Tan Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
480S3-97 *162104263-0004*	1905 Basement SE Chase T6 - Mudded Fittings	Gray Fibrous Homogeneous	30% Min. Wool	55% Non-fibrous (Other)	5% Amosite 10% Chrysotile
480S3-98 *162104263-0005*	1905 1st Floor Restroom T6 - Mudded Fittings	Gray Fibrous Homogeneous	80% Min. Wool	13% Non-fibrous (Other)	2% Amosite 5% Chrysotile

Analyst(s)
Ross Matlock (5)

Richard Harding, Laboratory Manager
or Other Approved Signatory

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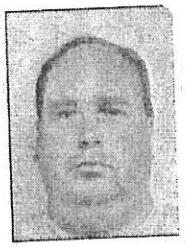
Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 03/05/2021 12:42:29

JEFF STAHR

DOB: 01-02-1965

Issued: 01-06-2021



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	21-5440	12-29-2021
SUPERVISOR	20-3852	01-27-2021

DIVISION OF IOWA LABOR

Asbestos

Rod A. Roberts

Rod A. Roberts
Labor Commissioner

APPENDIX E

Terracon Consultants, Inc. Moisture and Microbial Investigation Report

Moisture and Microbial Investigation Report

Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa

September 29, 2022

Terracon Project No. 07207086; Task 32



Prepared for:

East Central Intergovernmental Association (ECIA)
7600 Commerce Drive
Dubuque, Iowa
&
The City of Clinton, Iowa
611 South 3rd Street
Clinton, Iowa

Prepared by:

Terracon Consultants, Inc.
Bettendorf, Iowa

September 29, 2022

East Central Intergovernmental Association
7600 Commerce Park
Dubuque, Iowa 52002-9673

Attn: Ms. Dawn Danielson
P: (563) 690-5772
E: ddanielson@ecia.org

Re: Moisture and Microbial Investigation Report
Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa 52732
Terracon Project No. 07207086; Task 32
Brownfields Assessment Grant: BF97782001

Dear Ms. Danielson:

Terracon Consultants, Inc. (Terracon) is pleased to submit the attached report for the above-referenced site to East Central Intergovernmental Association (ECIA). The purpose of this report is to present the results of the moisture and microbial investigation conducted on August 18, 2022 and August 22, 2022. The assessment was conducted in general accordance with the Standard Consultant Contract *For Qualified Environmental Professional (QEP) Consultant Contract, ECIA Brownfield Coalition* (The Agreement) dated December 3, 2020, the Microbial Assessment Sampling and Analysis Plan – Revision 1 dated July 15, 2022 (the PSAP), and the email Notice to Proceed dated August 13, 2022.

These services were requested to identify moisture and microbial growth in the original site building (constructed circa 1905) of the Former YMCA structure located at 480 South 3rd Street Clinton, Iowa. Please refer to the attached report for additional information.

Terracon appreciates the opportunity to provide this service to the ECIA and the City of Clinton, Iowa. If you have questions regarding this report, please contact James at 563-468-4271.

Sincerely,
Terracon Consultants, Inc.

James R. Baxter
Environmental Group Manager

Dennis R. Sensenbrenner, PG
Senior Associate

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MOISTURE SAMPLING WORKSHEETS

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MOISTURE AND MICROBIAL INVESTIGATION REPORT
Former YMCA Building
480 South 3rd Street
Clinton, Clinton County, Iowa 52732
Terracon Project No. 07207086; Task T32
September 29, 2022

1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted a moisture and microbial investigation of the former Young Men's Christian Association (YMCA) building located at 480 South 3rd Street, Clinton, Clinton County, Iowa for East Central Intergovernmental Association (ECIA). The survey was conducted on August 18, 2022 and August 22, 2022, in general accordance with the Standard Consultant Contract *For Qualified Environmental Professional (QEP) Consultant Contract, ECIA Brownfield Coalition* (The Agreement) dated December 3, 2020, the Microbial Assessment Sampling and Analysis Plan – Revision 1 dated July 15, 2022 (the PSAP), and the email Notice to Proceed dated August 13, 2022.

1.1 Project Objectives

We understand the moisture and microbial investigation was requested in support of the future use of the site. The demolition/renovation plans of the onsite structure are not yet determined; however, these services were based on the following assumptions:

- The 1905 (original) building will be renovated (assuming gut-renovated).
- The 1961 and 1978 building additions will be demolished.

Terracon also understands that the intent of the assessment is to assist the client with communicating the presence and location of moisture and microbes to employees, vendors, and contractors that may be associated with future plans for the site. The purpose of this survey was to evaluate the original site building (constructed circa 1905) for moisture intrusion and determine the location(s) of apparent microbial growth, if any.

In support of the project, Terracon's services included the following:

- Physical inspection of the interior of the project area to determine potential moisture intrusion locations and to identify areas of potential microbial growth;
- Measurements of air temperature and relative humidity;
- Determination of moisture content in accessible building materials based on the physical inspection;
- Fungal spore trap air testing;
- Tape lift samples of suspect microbial growth; and
- Preparation of this report.

1.2 Reliance

This report is for the exclusive use of ECIA and the City of Clinton, Iowa for the project being discussed. Reliance by other parties on this report is prohibited without written authorization of Terracon and ECIA. Reliance on this report by ECIA, the City of Clinton, Iowa, and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and the Standard Consultant Contract. The limitations of liability defined in The Agreement is the aggregate limit of Terracon's liability to ECIA.

1.3 Standard of Care

This investigation was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our investigation. Many factors, such as weather conditions, building occupancy, ventilation patterns, and seasonal variations in fungal concentrations, can affect the conditions observed. The information contained in this report should not be relied upon to represent conditions that existed prior to or after this investigation. Terracon does not warrant the services of regulatory agencies, laboratories, or other third parties supplying information that may have been used in the preparation of this report.

2.0 SITE DESCRIPTION

Based on information obtained from the Clinton County Assessor's Office[1], the original multi-story site building was constructed circa 1905, with reported additions in 1960 and 1978. The following table provides a summary of pertinent building information and construction information such as structure and finishes used within the building(s). As indicated above, Terracon's scope for this portion of the project was focused only on the 1905 portion of the structure.

[1] Posted at: https://clintoncity.iowaassessors.com/parcel.php?gid=260951.

Table 1. YMCA Building Description and Information

Building Description and Information			
Building Use	Former YMCA, currently unoccupied		
Owned/Leased	Owned by the City of Clinton, Iowa		
Building Square Footage	Approximately 70,000 square feet (SF)	Number of Floors	3
Construction Date	Circa 1905, additions in 1961 and 1978	Renovation Date(s)	Unknown
Basement:	Partial basement: 8,000 SF	Tunnels: Yes	Attic: No

*HVAC – Heating, Ventilation and Air Conditioning

The building is currently unoccupied and is in poor condition. Trash and debris were observed throughout the building including furniture, appliances, and miscellaneous building materials. Significant water and structural damage were observed throughout the building at the time of the site reconnaissance. During Terracon's visit to the site in January 2022, City personnel were on-site and indicated that the building had been broken into several times and that numerous copper pipes had been cut/removed from the site; Terracon personnel observed sections of copper pipe on the main level of the 1905 building and in the tunnel spaces around the large pool during the January 2022 field services, some of which still remained as observed during the August 2022 services.

3.0 MICROBIAL INVESTIGATION CRITERIA AND METHODS

3.1 Physical Inspection

The physical inspection was conducted to evaluate general indoor hygiene, building maintenance practices, areas of moisture intrusion, uncontrolled condensate formation, odors, and the presence of visible fungal growth. The inspection focused primarily on collecting observational data (i.e., information obtained by physical inspection of the building and interviews with the building management, owners, and occupants).

The physical inspection included:

- An examination of the physical structure and potential point sources of moisture intrusion;
- The identification of any discoloration or odor that could indicate moisture intrusion, water damage and microbial growth;
- Using a moisture meter and infrared (IR) imaging camera to detect moisture impacted materials;

3.2 Moisture Content in Building Materials

Excess moisture in building materials may result in the growth of fungi or bacteria. There are no regulations or standards for moisture content in installed building materials. Moisture content will vary building-to-building and across geography, depending largely on relative humidity and indoor environmental conditions. Terracon applied industry best practices and equipment manufacturer guidelines to determine the moisture content of materials in the project area.

A moisture meter and infrared (IR) camera were used to identify suspect water-impacted materials in the project area. Building materials have different absorptive and moisture retention properties and will come into equilibrium with environmental moisture (as indicated by relative humidity levels) or become wet by contact with water.

Our investigation was limited to accessible surfaces in the project area. Terracon did not perform intrusive investigation to inspect interior wall cavity spaces in the building. Terracon did not attempt to identify every potential source of potential moisture intrusion.

3.2.1 Infrared Camera

Some moisture-impacted materials, such as those inside wall cavities or interstitial spaces, or materials that show no visible signs of impact may not be detected by a physical inspection or by using a moisture meter. Infrared (IR) imaging allows the user to visualize temperature gradients in building materials, and moist areas are typically cooler than adjacent dry areas as a result of evaporative cooling. Terracon attempted to utilize a FLIR C2 IR camera (S/N 720097608) to scan the project areas to identify potential areas of moisture intrusion.

During Terracon's field services, the IR camera did not appear to be operating as expected as the aperture was not opening and closing properly during attempts to take photographs. Additional information on this deviation is included in Section 7.1.3. To compensate for the deviation, Terracon collected additional moisture meter measurements as detailed in the following section.

3.2.2 Moisture Meter Measurements

Following the visual inspection and Terracon's limited utilization of the IR camera, Terracon used a General® MMD900 moisture meter to assess the majority of the 1905 building for moisture intrusion. A calibration check was conducted onsite prior to the assessment. This instrument has two modes of operation:

- Search mode is used to measure relative moisture beneath the surface of materials by means of radio frequency, and
- Measure mode uses electrical conductivity to measure the moisture level of building materials between two electrodes. The moisture level value is reported as percent wood moisture equivalent (%WME).

The search mode was utilized at the base of walls and carpets to locate potential areas of moisture in each general area of the 1905 Building. Terracon also used the measure mode to assess materials and a majority of the walls at varying heights and locations throughout the building. The general locations of moisture meter readings exceeding 17% WME are shown in Exhibits 5-7 in Appendix A and copies of the moisture reading worksheets are included in Appendix B.

3.3 Temperature and Relative Humidity Monitoring

Indoor air temperature and relative humidity are physical conditions important to the perception of comfort. American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Standard 55-2017 *Thermal Environmental Conditions for Human Occupancy* identifies six primary factors that affect comfort: metabolic rate (affected by the activity being conducted), clothing insulation, air temperature, radiant temperature, air speed, and humidity. The relationships are complex, but to summarize, a temperature range between 68- and 79-degrees Fahrenheit (°F) with relative humidity below 60 percent (%) is recommended for persons working at sedentary to moderately elevated physical activity levels. To avoid conditions sufficiently moist to promote the growth of molds or other bio growth, relative humidity should not exceed 60%.

Terracon measured temperature and relative humidity (RH) using an EXTECH Instruments Humidity/Temperature Pen (Model 445580), an electronic monitoring instrument. The instrument provides direct-reading measurements of temperature within the range of 14 to 122 degrees Fahrenheit (°F) and RH within the range of 10% to 90%. Measurements were conducted in the ambient environment outside the building and in various areas of the building interior during the site walkthrough.

3.4 Microbial Sampling

No state or federal exposure limits have been established for fungal bioaerosols, and regulatory standards or medically based threshold limit or dose-response relationships do not currently exist for exposure to airborne or surface concentrations of fungal spores. Terracon relies upon experience, professional judgment, current scientific literature, guidelines, and recommendations made by professional organizations and experts, and statistical methods in interpreting microbial sampling results.

High variability in airborne fungal spore concentrations can exist in different geographic locations, during different seasons, and weather patterns, and over the course of a given day. Generally, indoor air fungal spore concentrations in an HVAC-supplied building are typically less than, but qualitatively similar to, fungal spore concentrations found in the outside environment. To help interpret the sampling results, we compared indoor air and outdoor air measurements.

Terracon collected fungal spore trap samples using Air-O-Cell™ sampling cassettes and Zefon Bio-Pump® Plus Model ZDP-200 (S/N 6034) at a flow rate of 15 liters per minute for five minutes per

sample. As indicated in the Sampling and Analysis Plan for the site, a second pump (S/N 3974) was used to collect duplicate (side-by-side) samples at select locations. The locations of the spore trap sample locations are shown on Exhibits 1-4 in Appendix A. Spore trap air samples were collected at representative indoor and outdoor sample locations including:

1. Outside main entrance to 1905 building
2. Main level, southwest area near hallway to 1961 building[2]
3. Main level, approximate center of main lobby/Room 1
4. Main level, south-center portion of Room 5, near entrance to Room 6
5. Main level, northwest portion of Room 6 near wall staining
6. Lower stairwell landing between main level and basement
7. Basement, approximate center of Room B1
8. Basement, entrance of Room B3[2]
9. Basement, southwest corner of Room B2
10. Basement, approximate center of Room B8
11. Basement, approximate center of Room B6
12. Stairwell landing between Main Level and second floor
13. Second floor, approximate center of Room 11
14. Second floor, approximate center of north hallway, near entrance to Room 8 (kitchen)
15. Second floor, south-center portion of Room 8 (former kitchen)
16. Second floor, Room 10, near the doorway to Room 9
17. Second floor, inside Unit 207
18. Second floor, inside Unit 205
19. Second floor, south portion of east hallway
20. Second floor, south portion of east hallway[2]
21. Second floor, just inside entrance to south restroom
22. Second floor, inside Unit 201
23. Second floor, just inside north restroom
24. Stairwell between second floor and third floor
25. Third floor, inside Unit 328
26. Third floor, inside Unit 324
27. Third floor, inside Unit 320
28. Third floor, inside Unit 318
29. Third floor, southwest corner of open/common area
30. Third floor, north-center portion of open/common area
31. Third floor, inside Unit 313
32. Third floor, inside Unit 309
33. Outside main entrance to 1905 building

[2] Duplicate sample collected from this location

Utilizing laboratory-provided tape lift samplers, Terracon also collected six tape lift samples (tape lift sample locations are noted on Exhibits 1-4 in Appendix A) from the following surfaces that exhibited suspect microbial growth:

1. Main level, east side counter, water damaged/stained area
2. Basement, ceiling tile located immediately at bottom of steps
3. Basement, southeast portion from lower water damaged brick wall
4. Second floor, east lower portion of north hallway wall
5. Third floor, wall-mounted shelf on north side of open common area
6. Stairwell between first floor and second floor, on south side handrail near the lower set of steps

After the microbial sample collection, the sample cassettes and tape lift samples were shipped under chain-of-custody (COC) protocol to Eurofins EMLab P&K (EMLab), Marlton, New Jersey. EMLab is accredited by the AIHA® Laboratory Accreditation Programs, LLC under the Environmental Microbiology Laboratory Accreditation Program (EMLAP). Copies of the sampling worksheets, including pump calibration data are provided in Appendix B.

4.0 FINDINGS

This section includes the findings and a discussion of our physical inspection and sampling results. Appendix D includes photos of notable features and/or findings associated with this inspection.

4.1 Physical Inspection

Table 2 contains an overview of findings from the physical inspection. Significant findings are discussed in the section that follows.

Table 2. Physical Inspection Findings

Inspection Parameter	Observation Comments
Type of Occupancy	Former YMCA and living space; currently unoccupied
Type of Enclosure	Brick and concrete
Types of Finishes ■ Walls ■ Ceilings ■ Floors ■ Exterior	 ■ Plaster, drywall, glazed block ■ Plaster, acoustical ceiling tile, or cement ■ Terrazzo, vinyl floor tile, concrete, carpeting ■ Brick and concrete
Discoloration / Water Staining / Suspect Microbial Growth	Apparent water staining or suspect microbial growth was observed in the following areas: ■ Countertops in the main room of the first floor of the 1905 structure ■ Northwest lower wall in Room 4 on the first floor ■ Countertops in Room 6 on the first floor ■ Ceiling tiles throughout the basement ■ Exterior walls and flooring throughout the basement ■ Handrails and horizontal surfaces throughout the stairwells ■ Flooring in Room 11 and the second-floor north hallway ■ Counters in Room 8 on the second floor ■ Select west side walls on the second and third floors that are adjoining (and in some cases, generally open to) the 1961 portion of the building

Following a brief walkthrough, Terracon performed a physical inspection of the interior of the 1905 portion of the structure. Terracon did not perform an intrusive investigation in the building.

Based on our observations, “musty” odors were generally present throughout the building and were noted to be strongest in the basement and first floor areas, as well as the west side of the second floor (second floor north hallway area). As previously indicated, the building has not been occupied or utilized for an extended period of time and is not fully enclosed or tempered. Terracon observed suspect visible fungal growth as indicated in the above table. Miscellaneous materials, debris, and other trash throughout the building appeared to be impacted by either microbial growth or moisture; Terracon also observed that field paperwork utilized during the survey became damp after a short period of time within the building indicating elevated air moisture.

During Terracon's walkthrough and physical inspection Terracon noted the following observations. Please refer to Appendix B for detailed findings of the moisture evaluation.

First floor:

Terracon observed water staining on the ceiling and in corresponding spots on the floor near the center of the of the main room on the first floor. The spots and stains that were observed appear to be related to a reported previous leak from the restroom on the second floor (south restroom) as noted by City personnel during Terracon's previous site investigation activities. Additional moisture impacts were noted in Room 3 (water staining on walls), heavy microbial growth along the northwest portion of the wall in Room 4, and water staining along the lower walls throughout Room 5.

Second floor:

Terracon noted visible suspect microbial growth and water staining in the stairwells leading from the first floor the second floor. The majority of the former rooms/units on the second floor were observed to have moisture-impacted or water-stained ceiling tiles and light oxidation of the ceiling tile gridwork, and the flooring in the south restroom was observed to have heavy water staining (presumably related to the former leak as indicated above). Rooms 8-10 had noticeable water staining and suspect microbial growth along the walls, and the north hallway (which is generally open the 1961 portion of the building) had a significant amount of water-damaged materials (including ceiling tiles) on the floor of the hallway and the surface coatings were observed to have significant delamination from the substrate. Additional water damage was observed on the floors and ceilings in the northeast portion of the floor (Room 11, the north restroom, and the storage rooms).

Third floor:

Terracon noted visible suspect microbial growth and water staining in the stairwells leading from the second floor to the third floor. The majority of the former rooms/units on the third floor were observed to have moisture-impacted or water-stained ceiling tiles and light oxidation of the ceiling tile gridwork, and corresponding water staining on the carpeting and flooring. The emergency exit door at the north end of the third floor has broken into several times, and large gaps along the side and bottom of the door were observed, which could contribute to moisture intrusion issues.

Basement:

The basement and associated rooms/areas were generally observed to be heavily impacted by both moisture and microbial growth. The ceiling tiles in the main room (B1) were almost completely black with observed microbial growth and the majority of the outer walls (generally observed to be brick) and the flooring materials throughout the basement rooms had significant water damage and observed microbial growth from excess moisture exposure. It should be noted

that Terracon also conducted limited visual observations in the tunnel space in the northwest corner of the basement which leads further down into the sub-grade area that is part of the 1961 portion of the Site Building.

4.2 Moisture Content in Building Materials

Following Terracon's limited use of the IR camera, Terracon used a moisture meter throughout the building to confirm materials that may have been impacted by moisture intrusion. It should be noted that brick and concrete may not retain moisture the same way as wood or sheetrock and moisture meter measurements may not adequately detect moisture in these materials. Moisture reading measurements can be used to directly establish if materials are in a Dry (below 17% WME), At Risk (17%-20% WME), or Wet (above 20% WME) condition. The locations of the moisture content readings recorded above 17% are presented in Exhibits 5-7 Appendix A in, and a full summary of all the moisture readings collected are included in Appendix B.

A summary of key moisture readings for each floor is included below.

First floor:

The west wall of Room 3 and each of the four walls in Room 6 had moisture content readings in excess of 20% WME and are interpreted as Wet. At Risk moisture readings above 17% WME but below 20% WME were noted along the west and north walls and the northeast wall in Room 1, the northwest wall in Room 4, the south wall of Room 5 and the lower stairwell wall leading to the basement.

Second floor:

The west wall of Room 10 had a moisture content reading in excess of 20% WME and is interpreted as Wet. At Risk moisture readings above 17% WME but below 20% WME were recorded along the south wall and the northeast portion of the north wall in the south restroom, the south wall of Room 10, and the north wall of Room 11.

Third floor:

The third floor did not have moisture content readings above 17% WME. The highest reported moisture content was 12% WME and was located along the north wall of Room 3-318, and several locations with 11.9% WME located in Rooms 3-312 (east, south, and west walls) and 3-326 (west wall).

Basement:

As indicated on Exhibit 6 in Appendix A, the majority of the basement walls had moisture content readings exceeding 20% WME, with several locations including the east and west walls of Room

B1, the west wall of B3, the east and south walls of both B2 and B8, and the north wall of B6 at 87.6% WME, which is the maximum reading on the meter used for the survey. At Risk moisture readings above 17% WME but below 20% WME were recorded along the west wall in B7, the north, east, and west walls in B5, the east and west walls in B4, and the northeast and southeast walls in B3.

4.3 Temperature and Relative Humidity Measurements

The National Weather Service Forecast Office website[3] for the Davenport, Iowa, station indicated the following weather conditions on August 22, 2022: high temperature of 81°F, an average of 69°F; clear skies; an average wind speed of 4.7 miles per hour from the northwest; and a relative humidity average of 72%.

Temperature and relative humidity readings were collected at the indoor and outdoor spore trap sampling locations. A summary of indoor temperature and humidity levels obtained during this assessment is provided in Table 3 below.

Table 3. Temperature and Relative Humidity Levels

Location	Temperature	Relative Humidity
Outside main entrance to 1905 building	96.9°F	28.0%
Main level, southwest area near hallway to 1961 building[4]	84.0°F	48.9%
Main level, approximate center of main lobby/Room 1	82.9°F	59.2%
Main level, south-center portion of Room 5, near entrance to Room 6	75.9°F	68.7%
Main level, northwest portion of Room 6 near wall staining	75.3°F	73.4%
Lower stairwell landing between main level and basement	82.0°F	57.4%
Basement, approximate center of Room B1	75.9°F	66.9%
Basement, entrance of Room B3[6]	70.8°F	84.7%
Basement, southwest corner of Room B2	71.2°F	84.6%
Basement, approximate center of Room B8	70.7°F	83.4%
Basement, approximate center of Room B6	74.4°F	71.3%
Stairwell landing between Main Level and second floor	78.8°F	66.6%
Second floor, approximate center of Room 11	77.0°F	73.8%
Second floor, approximate center of north hallway, near entrance to Room 8 (kitchen)	78.0°F	67.5%
Second floor, south-center portion of Room 8 (former kitchen)	83.4°F	59.5%

[3] Posted at: https://w2.weather.gov/climate/index.php?wfo=dvn; accessed August 24, 2022.
[4] Indicates duplicate sample collected at this location

Location	Temperature	Relative Humidity
Second floor, Room 10, near the doorway to Room 9	80.4°F	65.9%
Second floor, inside Unit 207	76.8°F	77.0%
Second floor, inside Unit 205	77.5°F	70.5%
Second floor, south portion of east hallway[5]	84.9°F	66.6%
Second floor, just inside entrance to south restroom	82.0°F	61.2%
Second floor, inside Unit 201	80.2°F	66.1%
Second floor, just inside north restroom	80.4°F	68.3%
Stairwell between second floor and third floor	81.8°F	61.7%
Third floor, inside Unit 328	80.4°F	59.8%
Third floor, inside Unit 324	80.9°F	64.0%
Third floor, inside Unit 320	80.7°F	61.9%
Third floor, inside Unit 318	78.0°F	64.6%
Third floor, southwest corner of open/common area	78.4°F	73.4%
Third floor, north-center portion of open/common area	78.6°F	73.1%
Third floor, inside Unit 313	81.3°F	64.6%
Third floor, inside Unit 309	82.5°F	62.0%
Outside main entrance to 1905 building	84.2°F	47.4%

4.4 Tape-Lift Sample Results

Terracon collected tape-lift samples of suspect microbial growth on six surfaces to determine if fungal contamination was present. Terracon did not observe heavy dust accumulations on visible surfaces. Sampling locations are indicated on Exhibits 1-4 in Appendix A. Table 4 summarizes the results of the tape-lift sampling. The results of the tape-lift sampling confirmed that microbial growth was present.

[5] Indicates duplicate sample collected at this location

Table 4. Tape-Lift Sample Results

Sample #	Location	Substrate	Results[6]	Comments
TL1	Main level, east side counter, water damaged/stained area	Countertop	None	Normal trapping
TL2	Basement, ceiling tile located immediately at bottom of steps	Ceiling tile	4+ *Ascotricha* species (ascospores, ascomata, hyphae)	Mold growth
TL3	Basement, southeast portion from lower water damaged brick wall	Brick	None	Normal trapping
TL4	Second floor, east lower portion of north hallway wall	Drywall	None	Normal trapping
TL5	Third floor, wall-mounted shelf on north side of open common area	Countertop	None	Normal trapping
TL6	Stairwell between first floor and second floor, on south side handrail near the lower set of steps	Wood handrail	4+ *Aspergillus* species (spores, hyphae, conidiophores)	Mold growth

Laboratory analytical results of the tape-lift samples are provided in Appendix C. Photographic documentation of select sample locations is provided in Appendix D.

4.5 Fungal Spore Trap Sample Results

Terracon collected fungal spore trap air samples at 30 locations inside the building and two locations outside of the building. Duplicate samples were also collected at three of the aforementioned sample locations. Table 5 summarizes the results of the spore trap sampling. The results are reported in spores per cubic meter (spores/m^3).

[6] Quantities of molds graded <1+ to 4+, with 4+ denoting the highest numbers.

Table 5. Spore Trap Air Sampling Results

Laboratory Sample ID #	Terracon Sample ID	Sample Location	Total Concentration (spores/m^3)	Fungal Spore Types and Concentrations (spores/m^3)
3483 3307	ST-1	Outside main entrance to 1905 building	6,000	*Alternaria* (110) Ascospores (850) Basidiospores (2,800) *Cercospora* (27) *Cladosporium* (2,200) *Epicoccum* (13) Smuts, *Periconia*, Myxomycetes (27)
3483 3298	ST-2	Main level, southwest area near hallway to 1961 building	<13	NA
3483 3293	ST-3		210	Basidiospores (210)
3483 3293	ST-4	Main level, approximate center of main lobby/Room 1	530	Basidiospores (110) *Cladosporium* (53) *Penicillium/Aspergillus* types (210) *Stachybotrys* (160)
3483 3281	ST-5	Main level, south-center portion of Room 5, near entrance to Room 6	690	Ascospores (110) Basidiospores (430) *Cladosporium* (53) *Penicillium/Aspergillus* types (110)
3483 3302	ST-6	Main level, northwest portion of Room 6 near wall staining	1,800	Basidiospores (210) *Penicillium/Aspergillus* types (1,500)
3483 3301	ST-7	Lower stairwell landing between main level and basement	110	Basidiospores (53) *Penicillium/Aspergillus* types (53)
3483 3287	ST-8	Basement, approximate center of Room B1	1,300	Ascospores (110) Basidiospores (370) *Penicillium/Aspergillus* types (850)
3483 3289	ST-9	Basement, entrance of Room B3	3,300	Ascospores (110) Basidiospores (430) *Cladosporium* (160) *Penicillium/Aspergillus* types (2,600)
3483 3284	ST-10		6,700	Ascospores (110) Basidiospores (110) *Penicillium/Aspergillus* types (6,500) Smuts, *Periconia*, Myxomycetes (13)

Laboratory Sample ID #	Terracon Sample ID	Sample Location	Total Concentration (spores/m^3)	Fungal Spore Types and Concentrations (spores/m^3)
3483 3303	ST-11	Basement, southwest corner of Room B2	320	Basidiospores (210) *Penicillium/Aspergillus* types (110)
3483 3309	ST-12	Basement, approximate center of Room B8	210,000	*Chrysosporium*-like (31,000) *Penicillium/Aspergillus* types (180,000)
3483 3294	ST-13	Basement, approximate center of Room B6	960	Basidiospores (270) *Penicillium/Aspergillus* types (690)
3483 3291	ST-14	Stairwell landing between Main Level and second floor	4,700	Ascospores (110) Basidiospores (210) *Penicillium/Aspergillus* types (4,400)
3483 3574	ST-15	Second floor, approximate center of Room 11	850	Basidiospores (110) *Penicillium/Aspergillus* types (750)
3483 3308	ST-16	Second floor, approximate center of north hallway, near entrance to Room 8 (kitchen)	11,000	Ascospores (53) Basidiospores (320) *Epicoccum* (13) *Penicillium/Aspergillus* types (10,000) Smuts, *Periconia*, Myxomycetes (13)
3483 3313	ST-17	Second floor, south-center portion of Room 8 (former kitchen)	23,000	*Penicillium/Aspergillus* types (23,000)
3483 3310	ST-18	Second floor, Room 10, near the doorway to Room 9	1,200	Basidiospores (110) *Penicillium/Aspergillus* types (1,100)
3483 3685	ST-19	Second floor, inside Unit 207	41,000	Basidiospores (110) *Cladosporium* (110) *Penicillium/Aspergillus* types (40,000)
3483 3278	ST-20	Second floor, inside Unit 205	14,000	Basidiospores (110) *Penicillium/Aspergillus* types (14,000)
3483 3306	ST-21	Second floor, south portion of east hallway	3,700	Basidiospores (110) *Penicillium/Aspergillus* types (3,600)
3483 3296	ST-22		3,600	*Penicillium/Aspergillus* types (3,600)
3483 3300	ST-23	Second floor, just inside entrance to south restroom	3,300	Ascospores (53) Basidiospores (110) *Penicillium/Aspergillus* types (3,100)

Laboratory Sample ID #	Terracon Sample ID	Sample Location	Total Concentration (spores/m^3)	Fungal Spore Types and Concentrations (spores/m^3)
3483 3600	ST-24	Second floor, inside Unit 201	6,600	Ascospores (110) Basidiospores (160) *Penicillium/Aspergillus* types (6,300) *Pithomyces* (13) Smuts, *Periconia*, Myxomycetes (13)
3483 3658	ST-25	Second floor, just inside north restroom	2,000	Basidiospores (370) *Penicillium/Aspergillus* types (1,600)
3483 3359	ST-26	Stairwell between second floor and third floor	11,000	Ascospores (110) Basidiospores (110) *Nigrospora* (13) *Penicillium/Aspergillus* types (11,000) Smuts, *Periconia*, Myxomycetes (13)
3483 3323	ST-27	Third floor, inside Unit 328	6,300	*Alternaria* (13) *Epicoccum* (13) *Penicillium/Aspergillus* types (6,300) Smuts, *Periconia*, Myxomycetes (13)
3483 3326	ST-28	Third floor, inside Unit 324	1,000	Ascospores (53) Basidiospores (53) *Cladosporium* (53) *Penicillium/Aspergillus* types (850)
3483 3299	ST-29	Third floor, inside Unit 320	1,300	*Alternaria* (13) Ascospores (110) Basidiospores (110) *Penicillium/Aspergillus* types (1,000) Smuts, *Periconia*, Myxomycetes (13)
3483 3311	ST-30	Third floor, inside Unit 318	170	Basidiospores (53) *Penicillium/Aspergillus* types (110) Smuts, *Periconia*, Myxomycetes (13)
3483 3593	ST-31	Third floor, southwest corner of open/common area	1,500	Basidiospores (110) *Penicillium/Aspergillus* types (1,400)
3482 3327	ST-32	Third floor, north-center portion of open/common area	1,400	Ascospores (53) Basidiospores (270) *Penicillium/Aspergillus* types (1,100)
3483 3325	ST-33	Third floor, inside Unit 313	270	Basidiospores (160) *Penicillium/Aspergillus* types (110)
3483 3292	ST-34	Third floor, inside Unit 309	3,800	Ascospores (110) Basidiospores (160) *Penicillium/Aspergillus* types (3,500)

Laboratory Sample ID #	Terracon Sample ID	Sample Location	Total Concentration (spores/m^3)	Fungal Spore Types and Concentrations (spores/m^3)
3483 3312	ST-35	Outside main entrance to 1905 building	5,800	*Alternaria* (150) Ascospores (1,100) Basidiospores (2,800) *Cercospora* (150) *Cladosporium* (1,600) *Oidium* (13) *Pithomyces* (27) Rusts (13) Smuts, *Periconia*, Myxomycetes (13)

Sampling results from the interior areas were compared to those collected outside the building. A comparison of the sampling results yielded the following findings:

1. Total airborne fungal spore concentrations inside of the building ranged from <13 spores/m^3 to 210,000 spores/m^3.

2. The total outdoor fungal spore concentrations were 5,800 spores/m^3 and 6,000 spores/m^3. The types of outdoor fungal spores identified were considered by the analytical laboratory as typical for the outdoor environment and were in the low to high concentration ranges for August in Iowa climate code.

3. Although fungal spore concentrations indoors were generally lower than those found outdoors, certain fungal spore types were present in higher percentages compared to the outdoor samples; this indicates indoor amplification.

4. The types of fungal spore types identified inside the building were generally similar to those found outdoors, except for *Penicillium/Aspergillus* type of spores, *Stachybotrys* spores, *Chrysosporium*-like spores, and *Nigrospora* spores.

5. In 31 of the 33 indoor samples *Penicillium/Aspergillus* types of spores were identified. Of those samples, 26 spaces had concentrations of *Penicillium/Aspergillus* types of spores that dominated the total sample concentration and had elevated concentrations compared to outdoor samples, indicating the presence of fungal growth. Note: *Penicillium/Aspergillus* types can grow on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture levels and type of materials, in addition to other factors.

6. Total airborne fungal spore concentrations for the duplicate sample sets ranged from: <13 spores/m^3 to 210 spores/m^3 for set 1; 3,700 spores/m^3 to 6,700 spores/m^3 for set 2; and 3,600 spores/m^3 to 3,700 spores/m^3 for set three. Generally, the same types of spores were identified in the duplicate sample sets, although *Cladosporium* (160 spores/m^3) was

detected in one of the samples from the second set and the reported concentration of the *Penicillium/Aspergillus* strain was lower (basement, Room B1), and *Basidiospores* (110 spores/m^3) were reported in one of the samples from the third set (located in the south hallway on the second floor).

The locations of the fungal spore trap air samples can be found in Exhibits 1-4 in Appendix A. Air sampling worksheets, pump calibration records are included in Appendix B. The laboratory analytical results for the spore trap sampling are included in Appendix C. Photographic documentation is provided in Appendix D.

5.0 CONCLUSIONS

Based on our investigation, our conclusions are presented below:

- Although many fungal spore concentrations indoors were lower than those found outdoors, certain fungi were present in higher percentages compared to the outdoor samples; this indicates indoor amplification.
- Thirty one of the 33 indoor samples *Penicillium/Aspergillus* types of spores were identified. Of those samples, 26 samples had concentrations of *Penicillium/Aspergillus* types of spores that dominated the total sample concentration and had elevated concentrations compared to outdoor samples, indicating the presence of fungal growth.
- Two tape lift samples confirmed fungal growth in the following spaces:
  - Basement, ceiling tile located immediately at bottom of steps
  - Stairwell between first floor and second floor, on south side handrail near the lower set of steps
- Visual observations consistent with fungal growth were noted in Rooms 4 and 5 on the first floor, in the stairwells, in the north hallway of the second floor, and throughout the drywall and ceiling tiles in the basement.
- Water staining and apparent water damage was noted in several areas of the building, including the ceiling and floors throughout the first floor, the ceiling tiles and ceiling tile grid on the second and third floors, the flooring in the south restroom and in the north hallway area of the second floor, and the generally throughout the basement.
- While Terracon's scope of services for this portion of the project were focused on the 1905 Building, it should be noted that significant moisture intrusion, water damaged materials, and microbial growth have also been observed by Terracon in the 1961 and 1978 portions of the structure (both of these structures have reported roof leaks, and the tunnel spaces were previously observed to have varying amounts of standing water). Since the structures are generally open and accessible to each other on each floor/level of the building, these conditions could

contribute to the continued deterioration of the conditions of the Site Building as a whole.

6.0 RECOMMENDATIONS

Terracon recommends the following:

- A mold and moisture remediation guidance document should be prepared to assist with providing direction to contractors engaged in remediating building materials affected by moisture or microbial growth.
- Efforts should be made to seal off the 1905 Building from the remainder of the structure. At a minimum, this should consist of polyethylene sheeting installed along the doorways and observed openings between the spaces, including the west portion of the first floor, the doorways in the basement that lead to the tunnel spaces and stairwells, the doorways and hall areas on the second floor, and the doorway at the west end of the third floor.
- Observed mold and moisture-impacted materials (both porous and lightly porous or semi-porous materials, such as ceiling tiles, drywall, plaster, and wood) should be removed from the 1905 portion of the structure during planned renovation activities.
  - Due to the presence of asbestos-containing materials and lead-containing paints, it is presumed that these efforts will be combined and performed concurrently using appropriate work methods, the establishment of contained work areas, and the use of negative air machines equipped with high efficiency particulate air (HEPA) filters, where appropriate.
- While it is assumed that non-porous materials (such as plastic, metal, glass, etc.) will be removed from the structure during renovation, any non-porous materials that the City or contractors working at the site may consider for reuse at the site should be thoroughly cleaned using a detergent/disinfectant and water solution (such as Fiber lock Technologies Shockwave™ or similar product) or biocide and allowed to thoroughly dry. If a biocide solution is used, select one that will not leave a residue.
- Disinfection is not a substitute for the removal of water-damaged or fungal-containing porous materials since non-viable fungal spores remain allergenic. Dry all surfaces thoroughly after cleaning.

7.0 QUALITY CONTROL AND DATA VALIDATION

7.1 Microbial Quality Control and Data Validation

7.1.1 Sample Selection and Methods

Based upon the results of the visual assessment and at the discretion of the IH professional, Terracon collected fungal spore trap samples from various locations of the original portion of the building, including the basement and common areas such as hallways and stairwells. Spore trap air samples were also collected contemporaneously in the outdoor environment to provide comparison results.

Terracon used Air-O-Cell™ sampling cassettes and a Zefon Bio-Pump® Plus, calibrated to a flow rate of 15 liters per minute (LPM), for five minutes per sample to collect the spore trap samples. A second pump, which was also calibrated, was used to collect the duplicate samples as indicated in this report. Each spore trap sample collected was given a unique, sequential field sample number and corresponding laboratory-provided sample code. The sample ports on the cassettes were sealed with the laboratory-provided stickers, and each sample was placed into an unused, dedicated, and disposable sealable bag. The objective of the air sampling utilizing the Air-O-Cell® sampling cassettes was as follows:

- To capture and quantify a broad spectrum of fungal spores present in the air.
- To assess whether the levels present suggest a fungal problem in the indoor locations.

Terracon also collected surface samples using laboratory-provided tape lift samplers of observed suspect microbial growth. Surface samples collected were given a unique, sequential field sample number and were placed into a plastic case to prevent breakage during transport. Each case was also placed into an unused, dedicated, and disposable sealable bag. The objective of the surface sampling utilizing the tape samplers was as follows:

- To determine whether or not the visible stain, discoloration, etc. is indicative of microbial growth at the sample location.
- To determine and identify fungal organisms actually growing on the surface sampled, as opposed to the mere presence of fungal spores.
- To determine whether the spore population on the surface represents a normal population or a skewed population of spore type and also to note “marker” spore types that may indicate indoor fungal growth.

Concurrent with the spore trap and surface sampling, Terracon’s IH professionals collected temperature and relative humidity measurements at each spore trap sampling location. Indoor air temperature and relative humidity are physical conditions that can exacerbate microbial growth. Terracon measured temperature and relative humidity (RH) using an EXTECH Instruments Humidity/Temperature Pen (Model 445580), an electronic monitoring instrument. The instrument provides direct-reading measurements of temperature within the range of 14 to 122 degrees Fahrenheit (°F) and RH within the range of 10% to 90%.

7.1.2 Microbial Methods and Measurements

After sample collection, the air sample cassettes (and surface samples) were shipped under chain-of-custody (COC) protocol to EMLab P&K, LLC (EMLab) in Marlton, New Jersey. EMLab is accredited by the AIHA Laboratory Accreditation Programs, LLC under the Environmental Microbiology Laboratory Accreditation Program (EMLAP). The samples collected were submitted for standard laboratory analytical turnaround time (approximately five business days). Holding times and preservation requirements do not apply to microbial sampling. The laboratory analyzed the spore trap samples collected by direct microscopic visual estimation. The laboratory analysis includes identification to genus or group of fungal spores present, quantification as spores per cubic meter (spores/m^3), and a general assessment of background debris (non-biological particulate matter) present. It should be noted that some spores are very small, with very few distinguishing characteristics and cannot be differentiated by non-viable sampling methods. The laboratory analyzed the tape samples utilizing direct microscopic exam (qualitative) methodology. The direct microscopic exam directly identifies fungal growth (and doesn't just count the number of spores).

7.1.3 Quality Control and Data Validation

To ensure sample representativeness, Terracon collected three duplicate spore trap samples (approximately 10%) for quality control purposes. For the duplicate sampling, Terracon collected two concurrent samples side by side (using two Zefon Bio-Pump® Plus sampling pumps). It should be noted that analytical sensitivity can vary significantly with spore trap samples, even for samples collected side by side at the same time. Variability in direct measurement is influenced by a number of factors, including condition of the sample space, air flow around the sample pumps, and activity near the sampling pumps prior to and during sample collection, which adds to the considerations that must be given when interpreting spore trap sample results. Terracon's duplicate samples collected in the basement and on the second floor were reported to generally contain similar concentrations and fungal spore types. One of the samples from the first floor had an extremely low reported concentration (less than 13 spores/m^3) and thus, the total count was too low to distinguish a specific fungal spore type; the other duplicate sample from the first floor had a relatively low concentration of *basidiospores* (210 spores/m^3).

Due to the nature of variability that exists between observed microbial colonies growing on a substrate, the collection of duplicate surface samples was not conducted as a part of this investigation and was not part of the site-specific SAP.

Laboratory data validation (including precision and accuracy) was conducted by the EMLAP-accredited laboratory conducting the analysis in accordance with laboratory standard operating procedures included in the ECIA-approved generic QAPP. EMLab's internal reporting system includes automated fail-safes to ensure that all quality requirements are met, and notifications are added to the reports when any quality steps remain pending. Ongoing blind duplicate comparisons amongst analysts are performed to assure consistent, reliable, and documented

analytical quality along with internal reviews by senior laboratory QA staff who are not analysts and are 100% dedicated to quality assurance.

Upon receiving laboratory analytical data, Terracon confirmed that the COC received with laboratory analytical data indicated that the samples were received intact. Terracon also confirmed that the laboratory data received correlated to samples submitted as indicated on the COC and agree with Terracon's sample submissions. Terracon did not identify potential data discrepancies with the laboratory analytical data.

As indicated in Section 3.2.1, Terracon had one deviation from the PSAP as the IR camera did not appear to function normally while attempting to take photographs as part of the visual assessment. As a result, photographs of the areas observed are not included in the report. To supplement, Terracon collected approximately 375 total moisture readings from walls and other materials within the structure as indicated in the field worksheets in Appendix B.

8.0 LIMITATIONS / GENERAL COMMENTS

Terracon did not perform limited demolition or destructive activities during sampling. Reasonable efforts to visually assess materials within known areas of restricted access of the 1905 building (e.g., crawl spaces) were made; however, confined spaces or areas which may pose a health or safety risk to Terracon personnel were not accessed or sampled. Several areas, such as the subspace levels and tunnel spaces, are present in the adjoining structures and are accessible from various levels of the 1905 portion of the building but were not specifically accessed as part of the scope of services, and samples were not collected from these areas.

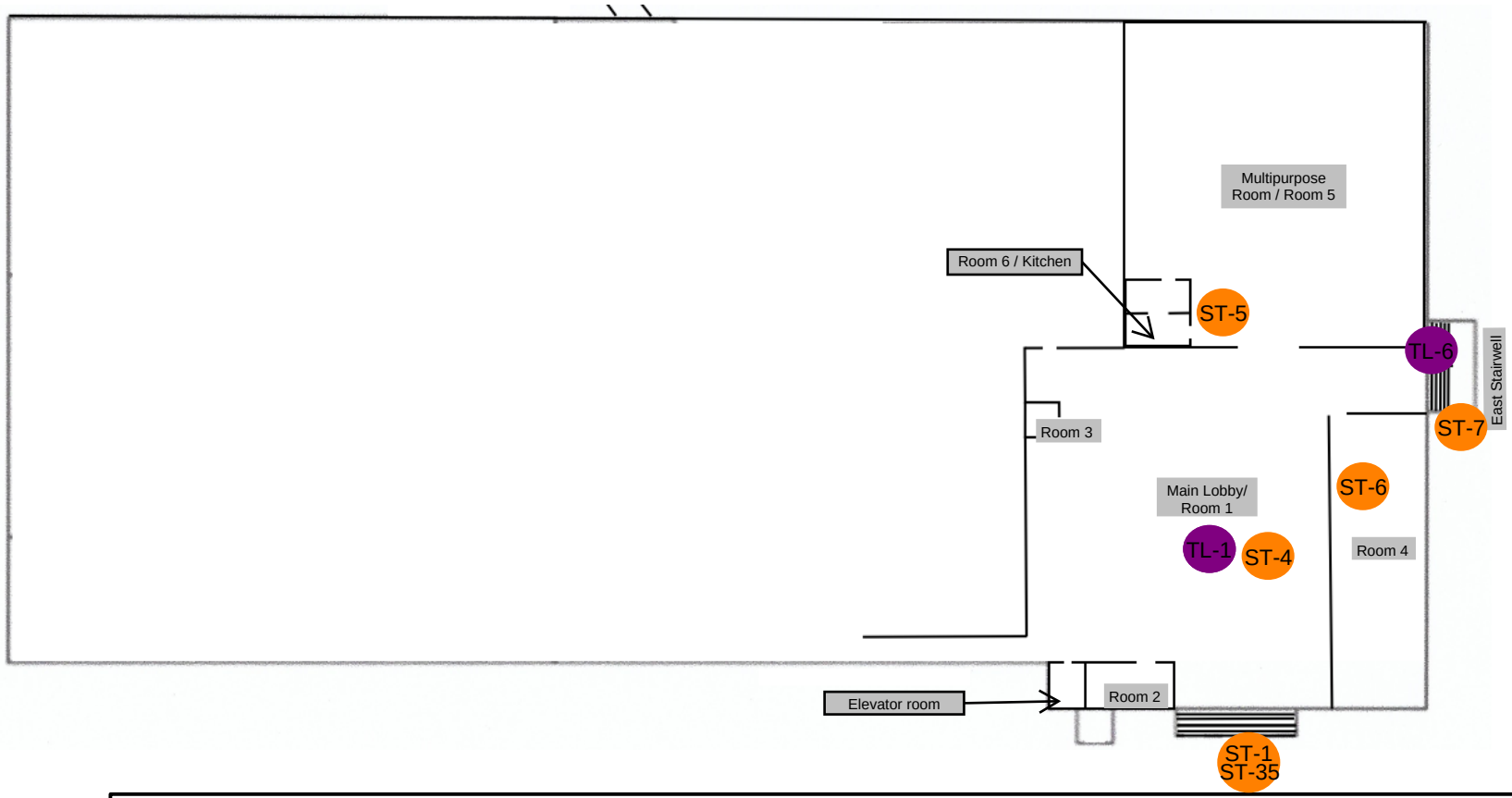
This survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on the specific conditions during our sampling. The information contained in this report is relevant to the date on which the sampling was conducted and should not be relied upon to represent conditions at a later date. This report has been prepared on behalf of and exclusively for use by ECIA and the City of Clinton, Iowa for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories, or other third parties supplying information used in the preparation of this report. No warranty, express or implied is made.

APPENDIX A

Exhibits

ST-1 Approximate Spore Trap Sample Location

TL-1 Approximate Tape Lift Sample Location



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T32
Scale:	N.T.S.
File Name:	Former YMCA
Date:	September 2022

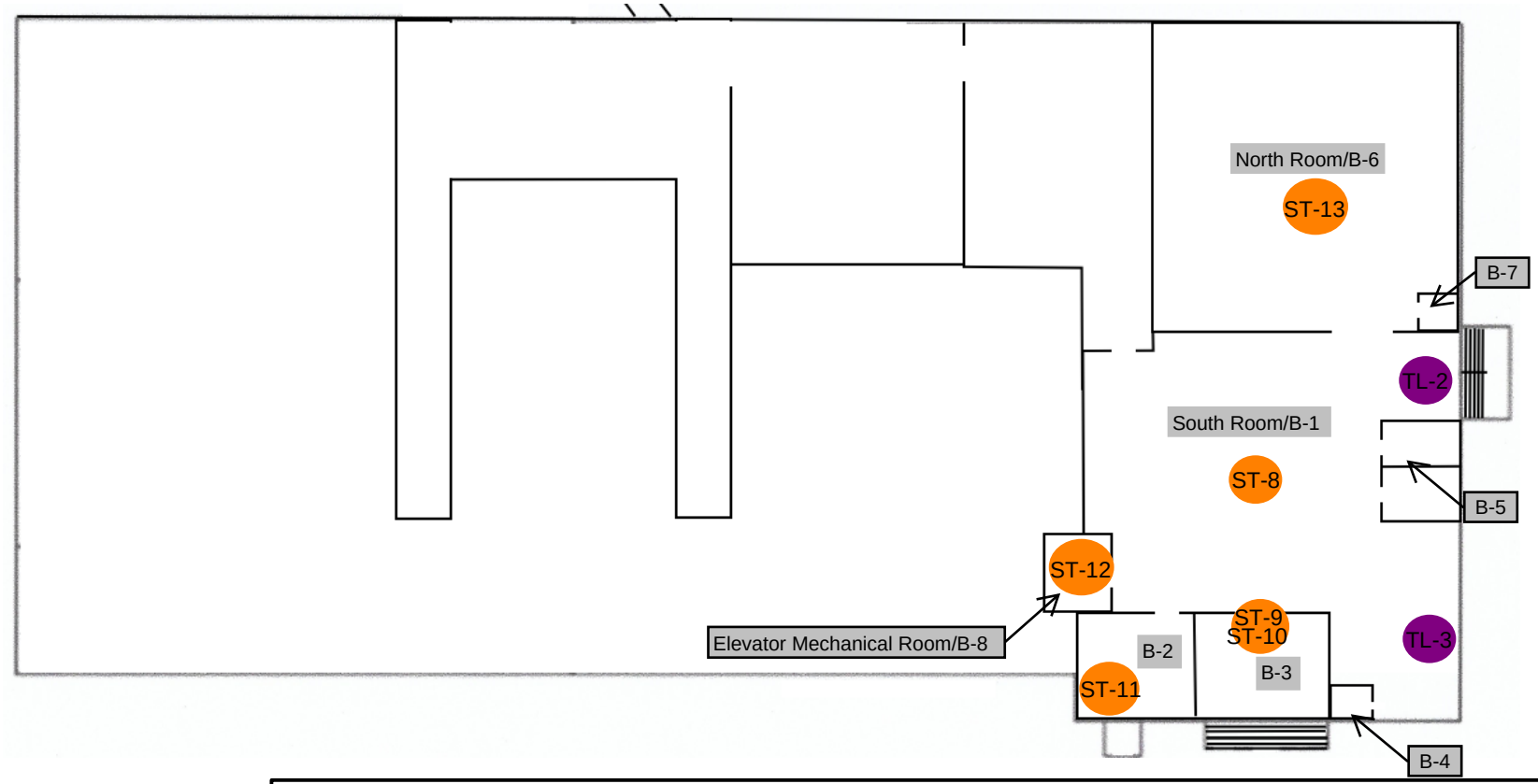
Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

SPORE TRAP SAMPLE LOCATION MAP

1905 Building - Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 1

Approximate Spore Trap Sample Location



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T32
Scale:	N.T.S.
File Name:	Former YMCA
Date:	September 2022

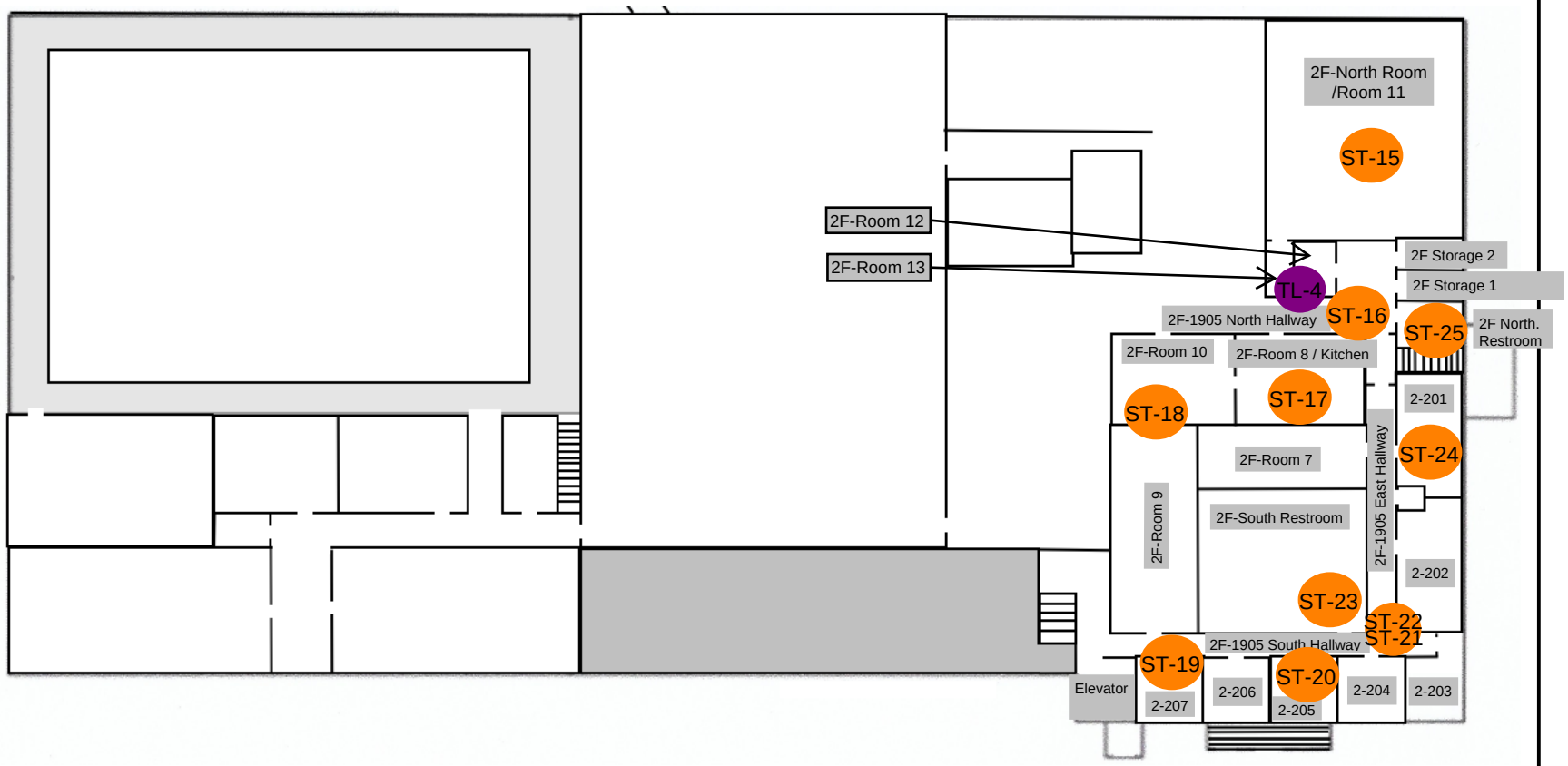
Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

SPORE TRAP SAMPLE LOCATION MAP

1905 Building - Basement
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 2

Approximate Spore Trap Sample Location



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T32
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: September 2022

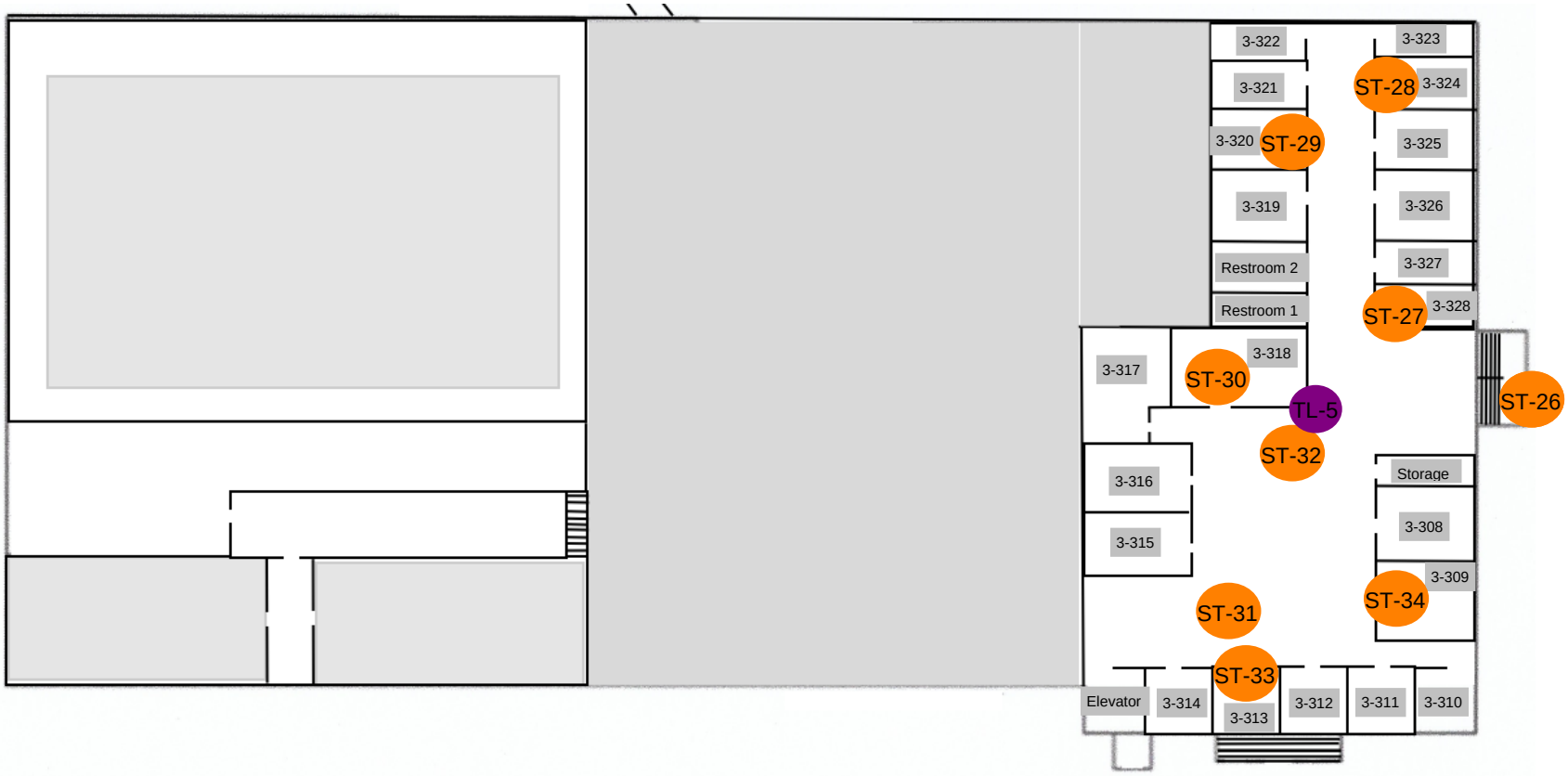
Terracon
Consulting Engineers & Scientists
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PH. (563) 355-0702 FAX. (563) 355-4789

SPORE TRAP SAMPLE LOCATION MAP

1905 Building - Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 3

Approximate Spore Trap Sample Location



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T32
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: September 2022

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Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
PH. (563) 355-0702 FAX. (563) 355-4789

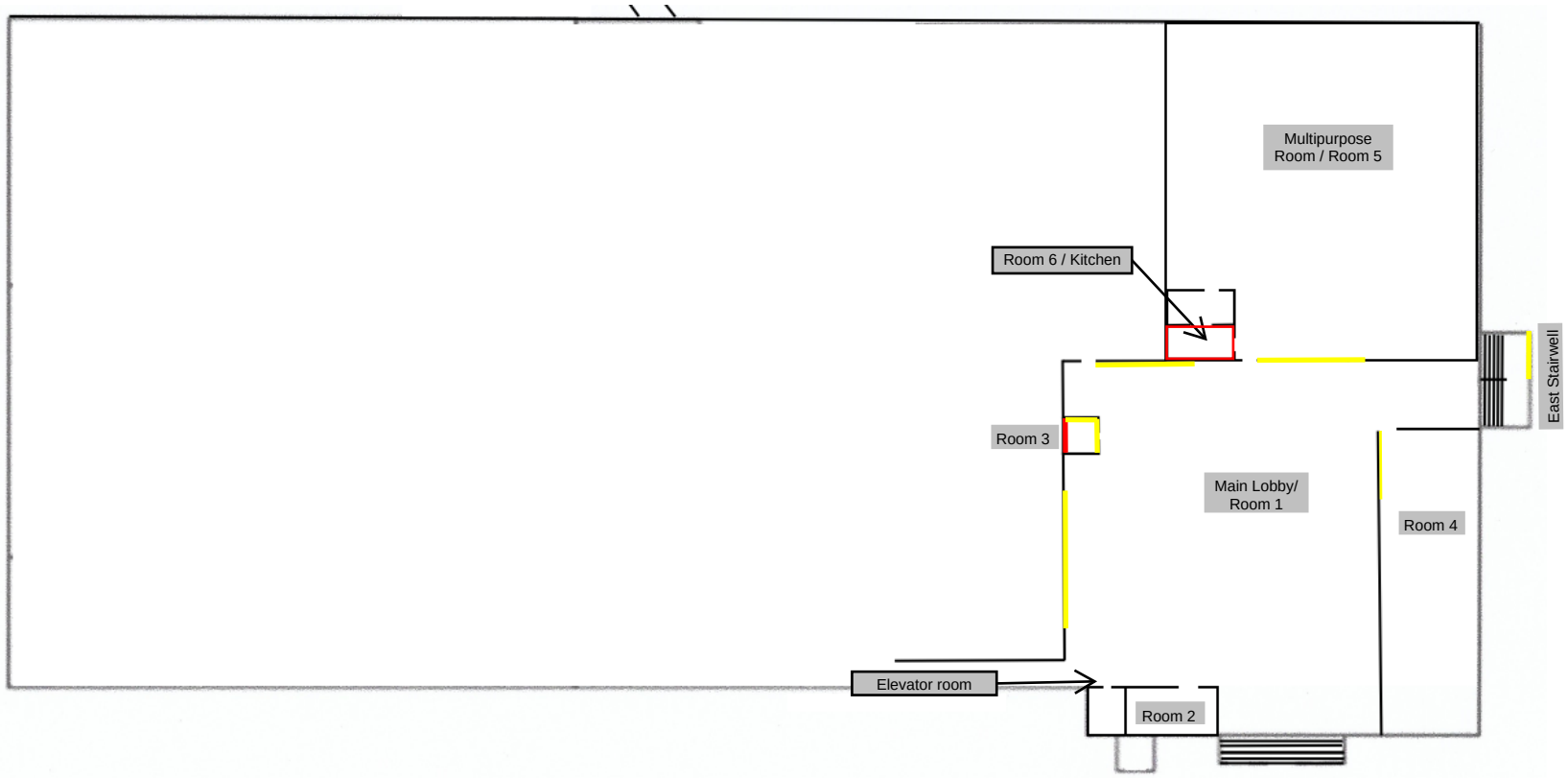
SPORE TRAP SAMPLE LOCATION MAP

1905 Building - Third Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 4

Moisture reading results above 20% WME

Moisture reading results between 17-20% WME



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T32
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: September 2022

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MOISTURE LOCATION MAP

1905 Building - Main Level
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT

5

Moisture reading results above 20% WME

Moisture reading results between 17-20% WME

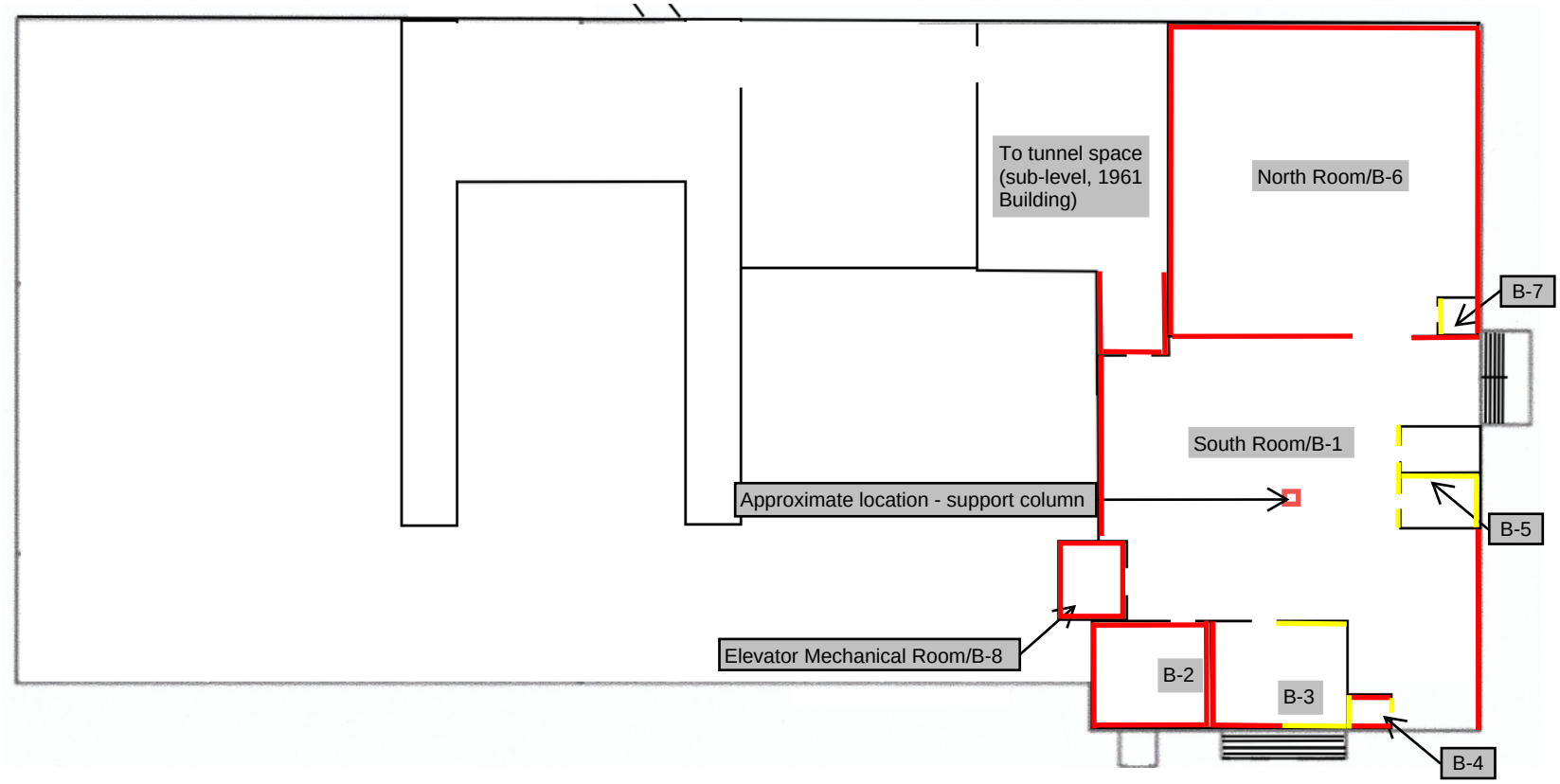


DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager: JRB	Project No. 07207086; T32
Drawn by: SMM	Scale: N.T.S.
Checked by: JRB	File Name: Former YMCA
Approved by: JRB	Date: September 2022

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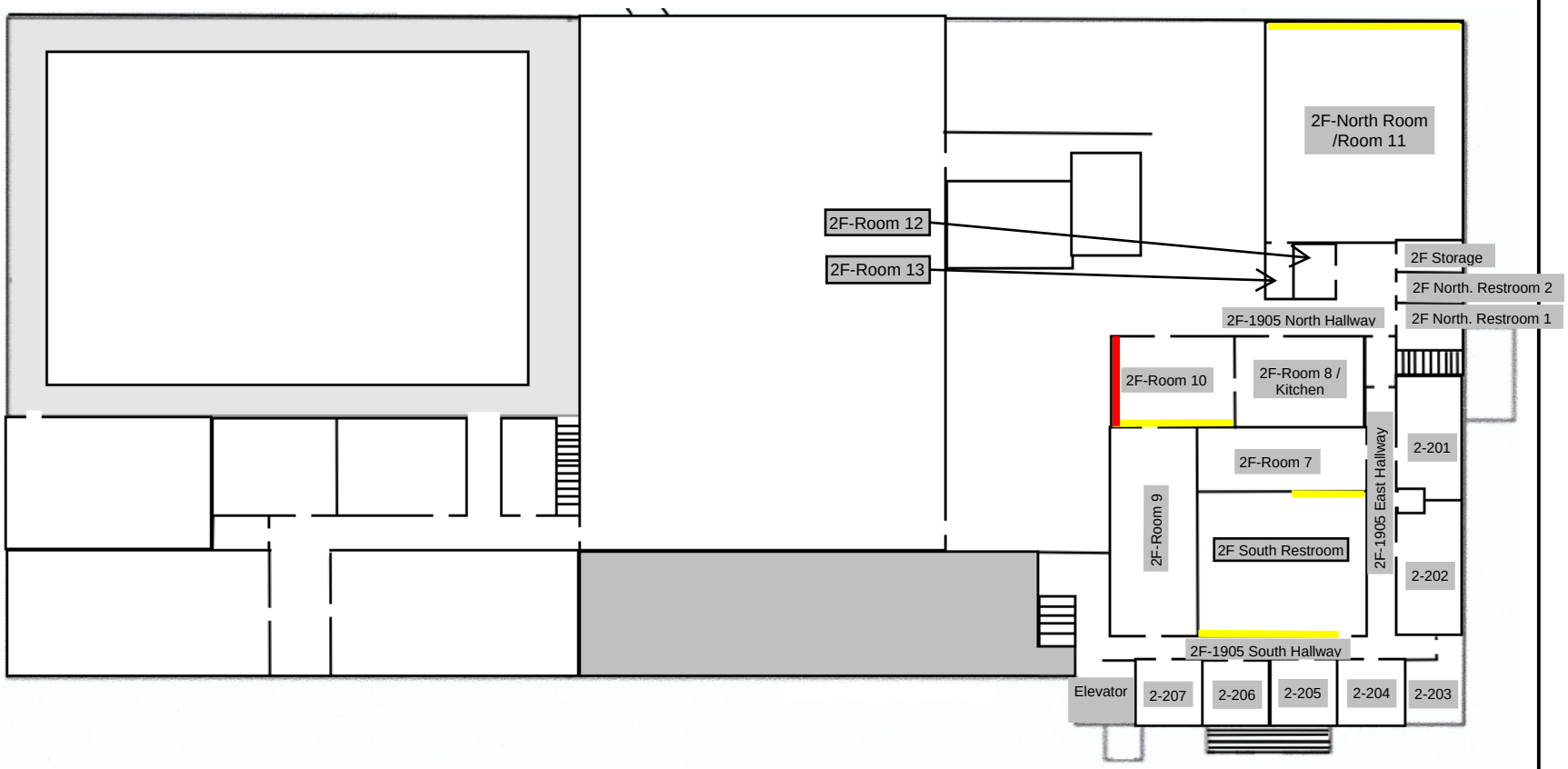
MOISTURE LOCATION MAP

1905 Building - Basement
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 6

Moisture reading results above 20% WME

Moisture reading results between 17-20% WME



N

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	JRB
Drawn by:	SMM
Checked by:	JRB
Approved by:	JRB
Project No.	07207086; T32
Scale:	N.T.S.
File Name:	Former YMCA
Date:	September 2022

Terracon
Consulting Engineers & Scientists
870 40th Avenue Bettendorf, Iowa 52722
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MOISTURE LOCATION MAP

1905 Building - Second Floor
Former YMCA – 480 South 3rd Street
Clinton, Iowa

EXHIBIT 7

APPENDIX B

Mold Sampling Worksheets
Pump Calibration Data

LOCATION: Former YMCA – 1905 Building **DATE:** August 22, 2022

ADDRESS: 480 South 3rd Street, Clinton, Iowa

CONTACT NAME: Mr. Jason Craft, City of Clinton, Iowa **PHONE:** 563.242.2144

TERRACON TEAM: James R. Baxter, Alex J. Davis

SAMPLE TYPE (one type / worksheet):					
AIR:	**PUMP ID:**	Bio-Pump Plus SN 6034	☑ **SPORE TRAP**		
☐ **CULTURE MEDIA:**	☐ **MEA**	☐ **TSA Blood**	☐ **Cornmeal**	☐ **Other**	
	SAMPLER TYPE:				
OTHER:	☑ **Tape lift**	☐ **Swab**	☐ **Bulk**	☐ **Dust**	☐ **Other**
TEMPERATURE/RELATIVE HUMIDITY METER:					
Extech Humidity/Temperature Pen 445580					
MANUFACTURER, MODEL, SERIAL #					MANUFACTURER, MODEL, SERIAL #

SAMPLE # ST-1 / 3483 3307 **ON** 09:03 **OFF** 09:08 /// 5 **MIN** 75 **L**
LOCATION # 1 **PHOTO #:** **TEMP:** 96.9 °F **RH:** 28.0 %
LOCATION DESCRIPTION: Outside main entrance to 1905 building

SAMPLE # ST-2 / 3483 3298 **ON** 09:12 **OFF** 09:17 /// 5 **MIN** 75 **L**
LOCATION # 2 **PHOTO #:** **TEMP:** 84.0 °F **RH:** 48.9 %
LOCATION DESCRIPTION: Main level, southwest area near hallway to 1961 building

SAMPLE # ST-3 / 3483 3571 **ON** 09:12 **OFF** 09:17 /// 5 **MIN** 75 **L**
LOCATION # 3 **PHOTO #:** **TEMP:** 84.0 °F **RH:** 48.9 %
LOCATION DESCRIPTION: Main level, southwest area near hallway to 1961 building

SAMPLE # ST-4 / 3483 3293 **ON** 09:20 **OFF** 09:25 /// 5 **MIN** 75 **L**
LOCATION # 4 **PHOTO #:** **TEMP:** 82.9 °F **RH:** 59.2 %
LOCATION DESCRIPTION: Main level, approximate center of main lobby/Room 1

SAMPLE # ST-5 / 3483 3281 **ON** 09:29 **OFF** 09:34 /// 5 **MIN** 75 **L**
LOCATION # 5 **PHOTO #:** **TEMP:** 75.9 °F **RH:** 68.7 %
LOCATION DESCRIPTION: Main level, south-center portion of Room 5, near entrance to Room 6

CALIBRATOR: Air-O-Cell flow meter (MANUFACTURER, MODEL, SERIAL #) **PUMP IDs:** #6034 and #3974 Zefon Bio-Pump Plus (ID #, MANUFACTURER, MODEL)

PRE-CALIBRATION	POST-CALIBRATION
Calibrated by: James Baxter	**Calibrated by:** James Baxter
DATE: 08/22/2022 **TIME:** 08:55	**DATE:** 08/22/2022 **TIME:** 17:00
PRE-CAL AVE 15 **+ POST-CAL AVE** 15 **÷ 2 =** 15 **LPM**	

BUILDING CHARACTERISTICS

Age of building: Original structure – 1905; additions in 1961 and 1978 Number of floors: 3

Building size: Approximately 80,000 square feet (total estimate of all structures)

General building uses: Former YMCA facility / former transitional housing facility

Number of occupants: Vacant

Flooring structure:
- ☒ Slab on grade
- ☒ Wood/plank
- ☐ Concrete
- ☐ Other:

Flooring finishes:
- ☒ Carpet
- ☒ Ceramic
- ☒ Vinyl
- ☐ Other:
- ☐ Linoleum
- ☐ Terrazzo
- ☐ Unfinished

Main structure:
- ☐ Fireproofed
- ☐ Steel frame
- ☒ Concrete
- ☐ Grade: Above / On / Below
- ☐ Other:
- ☒ Wood frame
- ☐ Slab on slab

Building insulation:

	Walls	Ceiling
Fiberglass batt	☒	☒
Mineral wool	☐	
Spray-on	☐	☐
Other:		

Exterior walls:
- ☐ Stucco
- ☐ Wood
- ☒ Brick
- ☒ Concrete
- ☐ CMU block
- ☐ Hard plaster
- ☐ Steel
- ☐ Other:

Interior walls:
- ☐ Stucco
- ☐ Wood
- ☐ Brick
- ☐ Concrete
- ☐ CMU block
- ☒ Plaster / drywall
- ☐ Steel
- ☐ Other:

Interior wall finishes ☒ Paint ☐ Wallpaper ☐ Vinyl wallcovering ☐ Other:

Ceilings:

Lower	Upper
☒ Drop ceiling	☒ Steel
☐ Gypsum	☐ Gypsum
☐ Hard plaster	☐ Hard plaster
☐ Concrete	☒ Concrete
☐ Interlocking tiles	☐ Interlocking tiles
☐ Wood	☒ Wood
☐ Acoustical	☐ Acoustical
☐ Other:	

Roof:
- ☐ Built-up
- ☐ Asphalt shingle
- ☐ Wood shake
- ☐ Other:
- ☐ Ceramic tile
- ☒ Membrane
- ☐ Steel/tar

Roof type:
- ☐ Gable
- ☒ Flat
- ☐ Other:

Attic present? ☐ Yes ☒ No

Basement or crawlspace present? ☒ Yes (partial) ☐ No

Heating:
- ☐ Boiler
- ☐ Radiant
- ☐ Forced-air
- ☐ Return thru plenum
- ☐ Other:
- ☐ Ducted return
- ☐ Electric
- ☐ Natural gas
- ☐ Wood/coal

Cooling:
- ☐ Chiller
- ☐ Radiant
- ☐ Forced-air
- ☐ Other:
- ☐ Return thru plenum
- ☐ Ducted return
- ☐ Electric

Location of air handling units: Building is no longer fully enclosed or tempered

Locations served by individual air handlers: NA

Percent of air recycled: NA

SAMPLE #	ST-6 / 3483 3302	**ON**	09:37	**OFF**	09:42	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	75.3	°F		**RH:**	73.4	%	
LOCATION DESCRIPTION:	Main level, northwest portion of Room 6 near wall staining										

SAMPLE #	ST-7 / 3483 3301	**ON**	09:47	**OFF**	09:52	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	82.0	°F		**RH:**	57.4	%	
LOCATION DESCRIPTION:	Lower stairwell landing between main level and basement										

SAMPLE #	ST-8 / 3483 3287	**ON**	09:57	**OFF**	10:02	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	75.9	°F		**RH:**	66.9	%	
LOCATION DESCRIPTION:	Basement, approximate center of Room B1										

SAMPLE #	ST-9 / 3483 3289	**ON**	10:06	**OFF**	10:11	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	70.8	°F		**RH:**	84.7	%	
LOCATION DESCRIPTION:	Basement, entrance of Room B3										

SAMPLE #	ST-10 / 3483 3284	**ON**	10:06	**OFF**	10:11	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	70.8	°F		**RH:**	84.7	%	
LOCATION DESCRIPTION:	Basement, entrance of Room B3										

SAMPLE #	ST-11 / 3483 3303	**ON**	10:15	**OFF**	10:20	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	71.2	°F		**RH:**	84.6	%	
LOCATION DESCRIPTION:	Basement, southwest corner of Room B2										

SAMPLE #	ST-12 / 3483 3309	**ON**	10:23	**OFF**	10:28	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	70.7	°F		**RH:**	83.4	%	
LOCATION DESCRIPTION:	Basement, approximate center of Room B8										

SAMPLE #	ST-13 / 3483 3294	**ON**	10:30	**OFF**	10:35	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	74.4	°F		**RH:**	71.3	%	
LOCATION DESCRIPTION:	Basement, approximate center of Room B6										

SAMPLE #	ST-14 / 3483 3291	**ON**	10:42	**OFF**	10:47	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	78.8	°F		**RH:**	66.6	%	
LOCATION DESCRIPTION:	Stairwell landing between Main Level and second floor										

SAMPLE #	ST-15 / 3483 3574	**ON**	10:52	**OFF**	10:57	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	77.0	°F		**RH:**	73.8	%	
LOCATION DESCRIPTION:	Second floor, approximate center of Room 11										

SAMPLE #	ST-16 / 3483 3308	**ON**	11:00	**OFF**	11:05	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	78.0	°F		**RH:**	67.5	%	
LOCATION DESCRIPTION:	Second floor, approximate center of north hallway, near entrance to Room 8 (kitchen)										

SAMPLE #	ST-17 / 3483 3313	**ON**	11:08	**OFF**	11:13	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	83.4	°F		**RH:**	59.5	%	
LOCATION DESCRIPTION:	Second floor, south-center portion of Room 8 (former kitchen)										

SAMPLE #	ST-18 / 3483 3310	**ON**	11:18	**OFF**	11:23	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	80.4	°F		**RH:**	65.9	%	
LOCATION DESCRIPTION:	Second floor, Room 10, near the doorway to Room 9										

SAMPLE #	ST-19 / 3483 3685	**ON**	11:28	**OFF**	11:33	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	76.8	°F		**RH:**	77.0	%	
LOCATION DESCRIPTION:	Second floor, inside Unit 207										

SAMPLE #	ST-20 / 3483 3278	**ON**	11:35	**OFF**	11:40	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	77.5	°F		**RH:**	70.5	%	
LOCATION DESCRIPTION:	Second floor, inside Unit 205										

SAMPLE #	ST-21 / 3483 3306	**ON**	11:43	**OFF**	11:48	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	84.9	°F		**RH:**	66.6	%	
LOCATION DESCRIPTION:	Second floor, south portion of east hallway										

SAMPLE #	ST-22 / 3483 3296	**ON**	11:55	**OFF**	12:00	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	84.9	°F		**RH:**	66.6	%	
LOCATION DESCRIPTION:	Second floor, south portion of east hallway										

SAMPLE #	ST-23 / 3483 3300	**ON**	12:08	**OFF**	12:13	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	82.0	°F		**RH:**	61.2	%	
LOCATION DESCRIPTION:	Second floor, just inside entrance to south restroom										

SAMPLE #	ST-24 / 3483 3600	**ON**	12:15	**OFF**	12:20	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	80.2	°F		**RH:**	66.1	%	
LOCATION DESCRIPTION:	Second floor, inside Unit 201										

SAMPLE #	ST-25 / 3483 3658	**ON**	12:26	**OFF**	12:31	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	80.4	°F		**RH:**	68.3	%	
LOCATION DESCRIPTION:	Second floor, just inside north restroom										

SAMPLE #	ST-26 / 3483 3359	**ON**	12:37	**OFF**	12:42	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	81.8	°F		**RH:**	61.7	%	
LOCATION DESCRIPTION:	Stairwell between second floor and third floor										

SAMPLE #	ST-27 / 3483 3323	**ON**	12:45	**OFF**	12:50	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	80.4	°F		**RH:**	59.8	%	
LOCATION DESCRIPTION:	Third floor, inside Unit 328										

SAMPLE #	ST-28 / 3483 3326	**ON**	12:53	**OFF**	12:58	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	80.9	°F		**RH:**	64.0	%	
LOCATION DESCRIPTION:	Third floor, inside Unit 324										

SAMPLE #	ST-29 / 3483 3299	**ON**	13:03	**OFF**	13:08	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	80.7	°F		**RH:**	61.9	%	
LOCATION DESCRIPTION:	Third floor, inside Unit 320										

SAMPLE #	ST-30 / 3483 3311	**ON**	13:10	**OFF**	13:15	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	78.	°F		**RH:**	64.6	%	
LOCATION DESCRIPTION:	Third floor, inside Unit 318										

SAMPLE #	ST-31 / 3483 3593	**ON**	13:18	**OFF**	13:23	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	78.4	°F		**RH:**	73.4	%	
LOCATION DESCRIPTION:	Third floor, southwest corner of open/common area										

SAMPLE #	ST-32/ 3483 3327	**ON**	13:27	**OFF**	13:32	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	78.6	°F		**RH:**	73.1	%	
LOCATION DESCRIPTION:	Third floor, north-center portion of open/common area										

SAMPLE #	ST-33 / 3483 3325	**ON**	13:35	**OFF**	13:40	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	81.3	°F		**RH:**	64.4	%	
LOCATION DESCRIPTION:	Third floor, inside Unit 313										

SAMPLE #	ST-34 / 3483 3292	**ON**	13:45	**OFF**	13:50	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	82.5	°F		**RH:**	62.0	%	
LOCATION DESCRIPTION:	Third floor, inside Unit 309										

SAMPLE #	ST-35 / 3483 3312	**ON**	14:15	**OFF**	14:20	///	5	**MIN**	75	**L**	
LOCATION #		**PHOTO #:**		**TEMP:**	84.2	°F		**RH:**	47.4	%	
LOCATION DESCRIPTION:	Outside main entrance to 1905 building										

SAMPLE #	Tape Lift 1	**ON**	NA	**OFF**	NA	///	NA	**MIN**	NA	**L**	
LOCATION #	**TL1**	**PHOTO #:**		**TEMP:**	NA	°F		**RH:**	NA	%	
LOCATION DESCRIPTION:	Main level, east side counter, water damaged/stained area										

SAMPLE #	Tape Lift 2	**ON**	NA	**OFF**	NA	///	NA	**MIN**	NA	**L**	
LOCATION #	**TL2**	**PHOTO #:**		**TEMP:**	NA	°F		**RH:**	NA	%	
LOCATION DESCRIPTION:	Basement, ceiling tile located immediately at bottom of steps										

SAMPLE #	Tape Lift 3	**ON**	NA	**OFF**	NA	///	NA	**MIN**	NA	**L**	
LOCATION #	**TL3**	**PHOTO #:**		**TEMP:**	NA	°F		**RH:**	NA	%	
LOCATION DESCRIPTION:	Basement, southeast portion from lower water damaged brick wall										

SAMPLE #	Tape Lift 4	**ON**	NA	**OFF**	NA	///	NA	**MIN**	NA	**L**	
LOCATION #	**TL4**	**PHOTO #:**		**TEMP:**	NA	°F		**RH:**	NA	%	
LOCATION DESCRIPTION:	Second floor, east lower portion of north hallway wall										

SAMPLE #	Tape Lift 5	**ON**	NA	**OFF**	NA	///	NA	**MIN**	NA	**L**	
LOCATION #	**TL5**	**PHOTO #:**		**TEMP:**	NA	°F		**RH:**	NA	%	
LOCATION DESCRIPTION:	Third floor, wall-mounted shelf on north side of open common area										

SAMPLE #	Tape Lift 6	**ON**	NA	**OFF**	NA	///	NA	**MIN**	NA	**L**	
LOCATION #	**TL6**	**PHOTO #:**		**TEMP:**	NA	°F		**RH:**	NA	%	
LOCATION DESCRIPTION:	Stairwell between first floor and second floor, on south side hand rail near the lower set of steps										

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Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 8-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
North Entra stairwell	A wall between doors		Plaster	5'	5.2
stairwell	B wall behind granit		Plaster	4'	14.6
stairwell	B wall Above granit		Plaster	5'	14.5
stairwell	A wall on stairs abov granit		Plaster	6'	12.0
room 1	A wall south side		wood	3'	14.5
room 1	A wall south side		wood	6'	16.9
room 1	B wall west side		Wood	3'	15.0
room 1	B wall west side center		wood	3'	17.2
room 1	A wal center behind panel		Plaster	3'	11.7
room 1	A wall North side		wood	1'	17.6
room 1	B wall North End of room		wood	2'	17.4
room 1	C wall North end		wood	1	17.6
room 1	C wall center		Drywall	2'	15.5
room 1	D wall center		Drywall	1'	15.4
room 1	D wall center		Drywall	5'	9.9
rm 2	A wall center		Drywall	1'	16.1
rm 2	A wall center		Drywall	4'	11.7
rm 2	B wall center		Drywall	1'	16.2
2	B wall center		drywall	3'	8.9
2	B wall center		drywall	2	12.0
2	C wall center		drywall	1	15.4
2	C wall center		Drywal	2	11.8
2	D wall center		drywal	7'	11.6

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
rm 2	D wall center		Drywall	1'	11.5
rm 3	A wall center		Plaster	1'	8.8
.3	A wall center base		wood	1'	11.6
3	A wall center		Plaster	5'	9.3
3	B wall behind base board		Plaster	1	52.5
3	B wall center		Plaster	1	26.7
3	B wall center		Plaster	3	11.8
3	C wall center		Plaster	1	18.6
3	C wall center		Plaster	1	19.6
3	C wall center		Plaster	3	8.7
3	D wall North side		wood	1	17.4
3	D wall north side		Plaster	2	11.1
4	A wall center		wood	1	11.8
4	A wall behind Panel		Plaster	3	10.3
4	B wall North end		wood	1	9.4
4	B wall North end		Plaster	2	9.6
4	B wall center chase		wood	2	10.8
4	B wall center		wood	1	13.5
4	B wall center		wood	2	9.8
4	C wall center under window		wood	1	11.9
4	C wall window Seal		wood		9.3
4	D wall center at chase		Plaster	5	7.8
4	D wall center at chase		wood	2	10.3

is a chase wall

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA

480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
4	D wall center behind cove base		wood	1	10.2
4	D wall Northend visual mold		Drywall	1	19.8
4	D wall Northend		Drywall	2	17.4
4	D wall Northend		Drywall	3½	16.8
4	D wall Northend		wood	4	10.6
5	A wall southend		wood	3"	19.3
5	A wall southend		wood	1'	16.0
5	A wall southend		wood	3	15.0
5	A wall southend		wood	5	9.8
	A wall center		wood	1	13.6
	A wall center		wood	2	13.8
	A wall center		wood	3	9.9
	B wall center		wood	1	12.0
	B wall center		W	3	9.0
	C wall center		W	1	8.6
	C wall center		W	2	7.3
5	C wall chase by door		wood	3	13.8
	D wall center by staining		wood	1	19.0
	D		W	2	16.5
	D		W	3	13.7
	D		W	5	15.3
5	D wall center by staining		wood	6	9.5
6	A wall		Drywall	1	34.2

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
6	A wall		Drywall	2	20.4
6	A wall		D	M	17.4
6	B wall		D	1	20.6
6	B wall		D	2	15.3
6	B wall		D	4	17.4
6	C wall		Drywal	1	20.2
6	C wall		D	6	17.7
6	D wall		D	1	23.7
6	D D wall		D	4	25.3
6	ceiling tiles		fiberglass	ceiling	27.1
stairwell	A wall behind panel		wood	1	15.4
stairwell	A A wall Panel		wood	3	17.8
stairwell	B wall center Panel		wood	4	13.6
stairwell	B B wall window frame		wood	3	18.8
st	B wall base board		wood	3"	15.4
	C wall center stair		drywall	3	10.1
	C wall center base board		wood	3"	17.0
	D wall framing		wood	3'	9.2
stairwell	D wall behind granite		Plaster	2"	16.8
Stairwell	center railing		wood	3	8.6
stairwell	D wall seal window		wood	3	8.7
	A wall wood panel		wood	3	10.8
Stair	A wall hand rail		wood		17.0

Visual mold throughout rm 6

East Entrance 1st Floor

2nd Floor

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA

480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
2nd Floor East Stairs	Stairs	center hand rail	wood	3	20.6
	Stairs	B wall	wood	3	11.3
	Stairs	B wall door	wood	3	10.3
2nd Fl	East Hallway	A wall	Drywall	1'	8.9
	East	D wall	D	1'	9.2
	East	C wall	D	1'	9.3
	East	B wall	D	1'	8.7
	East hall	ceiling tile	ceiling tile		11.6
	201	A wall	Dry	1'	9.2
		B wall		1	8.8
		C		1	9.8
	201	C wall	Dry	6	7.0
	202	A wall	Dry	1'	7.5
		B wall		1'	7.8
		C wall		1'	8.6
	202	D wall	Drywall	1'	7.0
	203	A Awall	D	1	6.5
		B		1	7.3
		C		1	7.0
		D wall	drywall	1	6.8
	204	A wall	D	1	7.3
		B	D	1	7.1
	204	C wall	D	1	8.7

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA

480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
204	D wall		Drywall	1	8.0
205	A		D	1	7.3
205	B		D	1	12.1
205	C		D	1	7.1
205	D wall		Drywall	1	8.9
SR	D wall above tile	Plaster	~~Drywall~~	4'	17.1
	A wall		Plaster	4'	14.4
	C		Plaster	4'	16.9
SR	B wall		Plaster	4'	17.1
206	A wall		Dry	1'	6.6
	B		D	1'	7.2
	C		D	1'	8.6
206	D wall		Dry wall	1'	7.0
207	A wall		D	1	8.6
	B		D	1	8.6
	C		D	1	8.7
207	D wall		Dry	1	9.8
2F El	A wall		D	1	8.6
2F El	B		D	1	8.6
2F EL	C		D	1	8.6
2F EL	D wall		D ryvall	1	8.6
Rm 9	A wall		D	3'	15.3
Rm 9	A wall		drywall	1	15.7

Women's Restroom

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
Rm 9	A wall		Drywall	5'	15.1
2nd FL Rm 9	B wall		D	1	16.5
9	B wall		D	3	15.7
9	B		Dry	6'	15.1
9	C		D	1	7.8
9	D wall		D	5	9.1
	D			2'	17.1
	D			3'	16.8
Rm 9	D wall		Plaster/Drywall	5'	16.8
Rm 10	A wall		Plaster	1'	14.6
10	A		Plaster	3	10.1
10	B wall		Plaster	1	25
10	B wall		Plaster	3	20.5
10	B wall		Plaster	6	13.7
	C wall		Drywall	1	13.5
	C wall		Drywall	3	11.1
	C wall		Drywall	5	11.8
	D wall		Drywall	1'	14.4
	D wall		Dry	3	13.6
Rm 10	D wall		Dry	5'	10.3
Rm 8	A wall		D	2'	17.1
	B wall		D	3'	14.5
	K wall		Plast	3	10.9

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
Rm 6	D wall		Drywall	2	16.3
Rm 6	D wall		wood	2	14.9
North hall	C wall		Plaste	3	14.1
North hall	B wall		Plaster	3	9.0
North hall	D wall		Drywall	3	15.5
North hall	A wall		Plaster	3	14.9
Rm 11	D wall build out		Drywall	1	10.2
11	D wall		wood	3	13.9
11	C wall center		wood	1	9.4
11	B wall center		wood	3	17.0
11	AB wall center		wood	5	10.0
RM 11	A wall center		wood	2'	9.5
North Restroom	A wall		wood	3	7.4
North restroom	B wall window frame		wood	3	8.4
North restroom	B wall window seal		wood	3	8.6
East stair	D wall window frame		wood	2	7.8
East stair	D wall window seal		wood	2	7.2
East stair	A wall panel		wood	3	8.8
East stair	Banister railing		wood	3	8.4
East stair	hand rail		wood	3	9.9
East stair	A wall behind panel		Plaster	3	7.0

3rd FL East stair

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

3rd floor

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
commn	D wall		Dry	1	10.2
	A wall			1	9.9
	B wall			1	8.9
commn	C wall		drywall	1	9.3
308	A		D	1	11.8
	B		D	1	7.9
	C		D	1	9.9
	D wall		Drywall	1	9.1
308	ceiling		ceiling tile	1	8.5
309	A		D	1	7.9
	B		D	1	7.8
	C		D	1	6.6
309	D wall		Drywall	1	8.3
310	A wall		D	1	8.6
	B		D	1	8.6
	C		D	1	8.1
310	D wall		Drywall	1	9.4
311	A wall		D	1	7.0
	B			1	7.2
	C			1	8.7
311	D wall		drywall	1	7.8
312	A wall		Dry	1	11.9
312	B wall		Dry	1	11.9

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
312	C wall		Drywall	1	11.9
312	D wall		Dry	1	11.3
313	A wall		D	1	11.8
	B wall		D	1	10.3
	C wall		D	1	10.3
313	D wall		Drywall	1	9.8
314	A wall		D	1	10.0
	B		D	1	9.8
	C		D	1	11.7
314	D wall		Drywall	1	9.2
3rd Flr	A wall		D	1	7.4
3rd El	B		D	1	7.6
3rd	C		D	1	9.8
3rd Elev	D wall		Drywall	1	11.8
315	A		D	1	7.5
	B		D	1	11.7
	C		D	1	8.7
315	D wall		Drywall	1	9.8
316	A wall		D	1	9.8
	B wall		D	1	11.3
	B wall window seal		wood		8.1
316	C wall		D	1	11.1
316	D wall		Drywall	1	11.8

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
317	A wall		Drywall	1	10.6
	B		D	1	11.5
	C		D	1	8.7
317	D wall		Drywall	1	11.6
318	A wall		D	1	8.7
	B		D	1	12.0
	C		D	1	8.1
318	D		Drywall	1	11.6
North corr	A wall		Drywall	1	8.8
|	B wall		Plaster	1	0.0
|	C wall		Drywall	1	11.1
North corr	D wall		Drywall	1	8.1
North Bathroom	A wall		Drywal	2	8.8
|	B		Dry	5	8.1
|	C		Dry	5	10.1
|	D wall		Dry	5	9.8
319	A		D	2	10.5
	B		D	2	11.7
	C		D	2	11.9
319	D wall		Drywall	2	11.8
320	A wall		D	1	7.9
	B		D	1	8.1
320	C		D	1	11.1

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 8-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
320	D wall		Drywall	1	7.9
320	ceiling tile		ceiling		8.9
321	A wall		Drywall	2	10.3
	B		D	2	10.5
	C		D	2	10.2
321	D wall		D	2	10.2
322	A		D	1	9.8
	B		D	1	9.9
	C		D	1	10.3
322	D wall		Drywall	1	10.5
323	A		D	2	9.9
	B		D	2	8.9
	C		D	2	10.2
323	D wall		D	2	9.3
324	A		D	2	9.8
	B		D	2	9.9
	C		D	2	9.8
324	D wall		Drywall	2	9.9
325	A wall		D	1	9.9
	B wall		D	1	10.5
	B window frame		wood	1	8.6
	C wall		Drywall	1	10.9
325	D wall		drywall	1	10.3

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
326	A wall		Drywall	1	10.3
	B		D	1	10.3
	C		D	1	11.1
326	D wall		D	1	11.9
327	A		D	2	11.8
	B		D	2	10.3
	C		D	2	10.9
327	D wall		Drywall	2	11.8
328	A		D	2	11.9
	B		D	2	11.7
	C		D	2	11.3
328	D wall		Drywall	2	11.3
B-1	A wall East side		BRICK	3	87.6
B-1	A wall west side		Brick	1	17.4
B-1	B wall south side		Drywall	1	20.4
B-1	B wall south side		BRICK	1	20.6
	B wall header		Drywall	1	49.8
	B side center column		Drywall	1	28.1
B-1	west side ceiling tile		ceiling tile		22.7
	C wall west end		Drywall	1	80.5
	C wall East end		BRICK	1	22.6
	D wall North end		CMU	1	18.8
B-1	D wall center		Brick	1	17.9

Basement

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
B-4	A		Brick	1	35.9
	B		Brick	1	19.2
	C		Drywall	1	20.1
B-4	D wall		Drywall	1	18.1
B-3	A wall		Brick	1	9.3
	B wall		Plaster	1	17.7
	B - wall		Stone	1	49.3
	D wall		Brick	1	17.8
B-3	C wall Brick		Brick	1	87.6
B-2	A wall		Brick	1	87.6
	B wall		Brick	1	87.6
	C wall	Drywall	Brick	1	20.6
B-2	D wall	Brick	Drywall	1	20.4
B-8	A		Drywall	4	87.6
	B		Drywall	4	87.6
	C		wood	4	33.4
B-8	D wall		Drywall	4	38.9
B-5	A		Dry	1	19.6
	B		D	1	17.9
	C		D	1	9.7
B-5	D wall		CMU	1	17.8
B-6	A wall		Brick	3	48.7
B-6	B wall		Brick	3	87.6

Terracon

Job # 07207086; Task 32

MOISTURE READINGS

LOCATION: Former Clinton YMCA
480 South 3rd Street, Clinton, Clinton County, Iowa

DATE: 08-18

Location	Description	IR camera indications	Substrate	Height above ground surface (inches)	Moisture meter reading (% WME)
B-6	C wall		Brick	2	58.7
B-6	D wall		Brick	2	19.7
B-7	D wall		Drywall	2	59.8
	A wall		CMU	2	15.8
B-7	C wall		CMU	2	14.7
Tunnel	A wall		Drywall	3	87.6
Tunnel	A wall		Brick	3	39.6
	ceiling		concrete		25.1
	C wall		Brick	3	40.9
	D wall		Brick	3	47.1
	B wall		Bonard	2	26.0
Tunnel	B wall		wood	2	24.2
	Door to tunnel		wood	1	43.1
Tunnel	A wall		Brick	2	68.8

APPENDIX C

Analytical Laboratory Reports and COC

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Report for:

James Baxter
Terracon - Bettendorf, IA
870 - 40th Avenue
Bettendorf, IA 52722

Regarding: Project: 07227086; Task 32; Former YMCA-1905 Building
EML ID: 3013585

Approved by:



Technical Manager
Ariunaa Jalsrai

Dates of Analysis:
Spore trap analysis: 08-27-2022

Service SOPs: Spore trap analysis (EM-MY-S-1038)
AIHA-LAP, LLC accredited service, Lab ID #103005

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Information supplied by the client which can affect the validity of results: sample air volume.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

Eurofins EMLab P&K
3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
(866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-1 / 34833307: Outside Main Entrance to the 1905 Building			ST-2 / 34833298: Main Level Southwest Area near Hallway to the 1961 building		
Comments (see below)	None			A		
Lab ID-Version‡:	14512120-1			14512121-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria	8	100	110			
Ascospores	16	25	850			
Basidiospores	52	25	2,800			
Cercospora	2	100	27			
Chaetomium						
Chrysosporium-like						
Cladosporium	42	25	2,200			
Epicoccum	1	100	13			
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	2	100	27			
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	27			< 13		
Pollen/m3	27			< 13		
Skin cells (1-4+)	< 1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			6,000			< 13

Comments: A) No spores detected.

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-3 / 34833571: Main Level Southwest Area near hallway to the 1961 Building			ST-4 / 34833293: Main Level Approximate Center of Main Lobby Room 1		
Comments (see below)	None			None		
Lab ID-Version‡:	14512122-1			14512123-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores						
Basidiospores	4	25	210	2	25	110
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium				1	25	53
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†				4	25	210
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys				12	100	160
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			210			530

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-5 / 34833281: Main Level South Center Portion of Room 5 near entrance to Room 5			ST-6 / 34833302: Main level northwest portion of Room 6 near Wall Staining		
Comments (see below)	None			None		
Lab ID-Version‡:	14512124-1			14512125-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores	2	25	110			
Basidiospores	8	25	430	4	25	210
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium	1	25	53			
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	2	25	110	29	25	1,500
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			690			1,800

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-7 / 34833302: Lower Stairwell landing Between main level and basement			ST-8 / 34833287: Basement Approximate Center of Room B1		
Comments (see below)	None			None		
Lab ID-Version‡:	14512126-1			14512127-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores				2	25	110
Basidiospores	1	25	53	7	25	370
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	1	25	53	16	25	850
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			110			1,300

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-9 / 34833289: Basement entrance to Room B3			ST-10 / 34833284: Basement entrance of Room B3		
Comments (see below)	None			None		
Lab ID-Version‡:	14512128-1			14512129-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores	2	25	110	2	25	110
Basidiospores	8	25	430	2	25	110
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium	3	25	160			
Epicoccum						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	48	25	2,600	122	25	6,500
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				1	100	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			3,300			6,700

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-11 / 34833303: Basement Southwest Corner of Room B2			ST-12 / 34833309: Basement Approximate Center of Room B8		
Comments (see below)	None			None		
Lab ID-Version‡:	14512130-1			14512131-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores						
Basidiospores	4	25	210			
Cercospora						
Chaetomium						
Chrysosporium-like				164	7	31,000
Cladosporium						
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	2	25	110	482	3.5	180,000
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			320			210,000

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-13 / 34833294: Basement Approximate Center of Room B6			ST-14 / 34833291: Stairwell Landing Between main level and second Floor		
Comments (see below)	None			None		
Lab ID-Version‡:	14512132-1			14512133-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores				2	25	110
Basidiospores	5	25	270	4	25	210
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	13	25	690	82	25	4,400
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			960			4,700

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
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Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-15 / 34833574: Second Floor Approximate Center of Room 11			ST-16 / 34833308: Second Floor, Approximate center of North Hallway near entrance to Room 8		
Comments (see below)	None			None		
Lab ID-Version‡:	14512134-1			14512135-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores				1	25	53
Basidiospores	2	25	110	6	25	320
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum				1	100	13
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	14	25	750	190	25	10,000
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				1	100	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			2+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			850			11,000

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-17 / 34833313: Second Floor south Center portion of Room 8 (kitchen)			ST-18 / 34833310: Second Floor Room 10 near the doorway to Room 9		
Comments (see below)	None			None		
Lab ID-Version‡:	14512136-1			14512137-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores						
Basidiospores				2	25	110
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	238	14	23,000	21	25	1,100
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			23,000			1,200

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
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††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-19 / 34833685: Second Floor inside Unit 207			ST-20 / 34833278: Second Floor Iside Unit 205		
Comments (see below)	None			None		
Lab ID-Version‡:	14512138-1			14512139-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores						
Basidiospores	2	25	110	2	25	110
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium	2	25	110			
Epicoccum						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	212	7	40,000	268	25	14,000
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			< 1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			41,000			14,000

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-21 / 34833306: Second Floor South portion of East Hallway			ST-22 / 34833296: Second Floor South Portion of East Hallway		
Comments (see below)	None			None		
Lab ID-Version‡:	14512140-1			14512141-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores						
Basidiospores	2	25	110			
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	68	25	3,600	67	25	3,600
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			3,700			3,600

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-23 / 34833300: Second Floor Just Inside entrance to South restroom			ST-24 / 34833600: Second Floor Inside Unit 201		
Comments (see below)	None			None		
Lab ID-Version‡:	14512142-1			14512143-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores	1	25	53	2	25	110
Basidiospores	2	25	110	3	25	160
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	59	25	3,100	118	25	6,300
Pithomyces				1	100	13
Rusts						
Smuts, Periconia, Myxomycetes				1	100	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			13		
Pollen/m3	< 13			13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			3,300			6,600

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-25 / 34833658: Second Floor Just inside north restroom			ST-26 / 34833359: Stairwell Between second and third floor		
Comments (see below)	None			None		
Lab ID-Version‡:	14512144-1			14512145-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores				2	25	110
Basidiospores	7	25	370	2	25	110
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Myrothecium						
Nigrospora				1	100	13
Oidium						
Other colorless						
Penicillium/Aspergillus types†	30	25	1,600	204	25	11,000
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes				1	100	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			2,000			11,000

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-27 / 34833323: Third Floor inside Unit 328			ST-28 / 34833326: Third Floor Inside Unit 34		
Comments (see below)	None			None		
Lab ID-Version‡:	14512146-1			14512147-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria	1	100	13			
Ascospores				1	25	53
Basidiospores				1	25	53
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium				1	25	53
Epicoccum	1	100	13			
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	118	25	6,300	16	25	850
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	1	100	13			
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			6,300			1,000

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-29 / 34833299: Third Floor Inside Unit 320			ST-30 / 34833311: Third Floor Inside Unit 318		
Comments (see below)	None			None		
Lab ID-Version‡:	14512148-1			14512149-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria	1	100	13			
Ascospores	2	25	110			
Basidiospores	2	25	110	1	25	53
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	19	25	1,000	2	25	110
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	1	100	13	1	100	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	13			13		
Pollen/m3	13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			1,300			170

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

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Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-31 / 34833593: Third Floor Southwest Corner of Open Common Area			ST-32 / 34833327: Third floor North-Center Portion of Open Common Area		
Comments (see below)	None			None		
Lab ID-Version‡:	14512150-1			14512151-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores				1	25	53
Basidiospores	2	25	110	5	25	270
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	26	25	1,400	20	25	1,100
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			1,500			1,400

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

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Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-33 / 34833325: Thrid Floor Inside Unit 313			ST-34 / 34833292: Third Floor Inisde Unit 309		
Comments (see below)	None			None		
Lab ID-Version‡:	14512152-1			14512153-1		
Analysis Date:	08/27/2022			08/27/2022		
	raw ct.	% read	spores/m3	raw ct.	% read	spores/m3
Alternaria						
Ascospores				2	25	110
Basidiospores	3	25	160	3	25	160
Cercospora						
Chaetomium						
Chrysosporium-like						
Cladosporium						
Epicoccum						
Myrothecium						
Nigrospora						
Oidium						
Other colorless						
Penicillium/Aspergillus types†	2	25	110	66	25	3,500
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+			1+		
Hyphal fragments/m3	< 13			< 13		
Pollen/m3	< 13			< 13		
Skin cells (1-4+)	1+			1+		
Sample volume (liters)	75			75		
§ TOTAL SPORES/m3			270			3,800

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	ST-35 / 34833312: Outside Main entrance to 1905 Building		
Comments (see below)	None		
Lab ID-Version‡:	14512154-1		
Analysis Date:	08/27/2022		
	raw ct.	% read	spores/m3
Alternaria	11	100	150
Ascospores	20	25	1,100
Basidiospores	52	25	2,800
Cercospora	11	100	150
Chaetomium			
Chrysosporium-like			
Cladosporium	30	25	1,600
Epicoccum			
Myrothecium			
Nigrospora			
Oidium	1	100	13
Other colorless			
Penicillium/Aspergillus types†			
Pithomyces	2	100	27
Rusts	1	100	13
Smuts, Periconia, Myxomycetes	1	100	13
Stachybotrys			
Stemphylium			
Torula			
Ulocladium			
Zygomycetes			
Background debris (1-4+)††	2+		
Hyphal fragments/m3	27		
Pollen/m3	40		
Skin cells (1-4+)	< 1+		
Sample volume (liters)	75		
§ TOTAL SPORES/m3			5,800

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample, indicating a raw count of <1 spore.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher than reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m^3 divided by the raw count, expressed in spores/m^3, per spore and per sample.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Outdoor Sample: ST-1 / 34833307 Outside Main Entrance to the 1905 Building

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		8	110
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		42	2,200
Curvularia		ND	< 13
Epicoccum		1	13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		ND	< 13
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores		16	850
Basidiospores		52	2,800
Cercospora		2	27
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		2	27
Total			**6,040**

Location: ST-2 / 34833298 Main Level Southwest Area near Hallway to the 1961 building

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-3 / 34833571 Main Level Southwest Area near hallway to the 1961 Building

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		4	210		112
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**213**	**Final MoldSCORE**	**112**

Location: ST-4 / 34833293 Main Level Approximate Center of Main Lobby Room 1

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		4	210		133
Stachybotrys		12	160		278
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**533**	**Final MoldSCORE**	**278**

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-5 / 34833281 Main Level South Center Portion of Room 5 near entrance to Room 5

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		118
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		105
Basidiospores		8	430		112
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**693**	**Final MoldSCORE**	**118**

Location: ST-6 / 34833302 Main level northwest portion of Room 6 near Wall Staining

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		29	1,500		273
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		4	210		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,760**	**Final MoldSCORE**	**273**

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-7 / 34833302 Lower Stairwell landing Between main level and basement

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		1	53		108
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**108**

Location: ST-8 / 34833287 Basement Approximate Center of Room B1

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		16	850		221
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		7	370		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,333**	**Final MoldSCORE**	**221**

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-9 / 34833289 Basement entrance to Room B3

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		3	160		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		48	2,600		298
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		8	430		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**3,253**	**Final MoldSCORE**	**298**

Location: ST-10 / 34833284 Basement entrance of Room B3

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		122	6,500		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		100
Total			**6,733**	**Final MoldSCORE**	**300**

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-11 / 34833303 Basement Southwest Corner of Room B2

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		118
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		4	210		107
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**320**	**Final MoldSCORE**	**118**

Location: ST-12 / 34833309 Basement Approximate Center of Room B8

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Chrysosporium-like		164	31,000		300
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		482	180,000		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**214,853**	**Final MoldSCORE**	**300**

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-13 / 34833294 Basement Approximate Center of Room B6

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		13	690		202
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		5	270		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**960**	**Final MoldSCORE**	**202**

Location: ST-14 / 34833291 Stairwell Landing Between main level and second Floor

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		82	4,400		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		4	210		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**4,693**	**Final MoldSCORE**	**300**

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-15 / 34833574 Second Floor Approximate Center of Room 11

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		14	750		209
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**853**	**Final MoldSCORE**	**209**

Location: ST-16 / 34833308 Second Floor, Approximate center of North Hallway near entrance to Room 8

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Epicoccum		1	13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		190	10,000		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	53		100
Basidiospores		6	320		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		100
Total			**10,533**	**Final MoldSCORE**	**300**

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-17 / 34833313 Second Floor south Center portion of Room 8 (kitchen)

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		238	23,000		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**22,667**	**Final MoldSCORE**	**300**

Location: ST-18 / 34833310 Second Floor Room 10 near the doorway to Room 9

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		21	1,100		246
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,227**	**Final MoldSCORE**	**246**

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-19 / 34833685 Second Floor inside Unit 207

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	110		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		212	40,000		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**40,600**	**Final MoldSCORE**	**300**

Location: ST-20 / 34833278 Second Floor Iside Unit 205

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		268	14,000		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**14,400**	**Final MoldSCORE**	**300**

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3000 Lincoln Drive East, Suite A, Marlton, NJ 08053
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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-21 / 34833306 Second Floor South portion of East Hallway

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		68	3,600		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**3,733**	**Final MoldSCORE**	**300**

Location: ST-22 / 34833296 Second Floor South Portion of East Hallway

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		67	3,600		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**3,573**	**Final MoldSCORE**	**300**

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-23 / 34833300 Second Floor Just Inside entrance to South restroom

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		59	3,100		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	53		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**3,307**	**Final MoldSCORE**	**300**

Location: ST-24 / 34833600 Second Floor Inside Unit 201

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		118	6,300		300
Pithomyces		1	13		105
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		3	160		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		100
Total			**6,587**	**Final MoldSCORE**	**300**

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-25 / 34833658 Second Floor Just inside north restroom

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		30	1,600		278
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		7	370		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,973**	**Final MoldSCORE**	**278**

Location: ST-26 / 34833359 Stairwell Between second and third floor

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		1	13		105
Penicillium/Aspergillus types†		204	11,000		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		100
Total			**11,120**	**Final MoldSCORE**	**300**

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C/O: James Baxter
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Date of Sampling: 08-22-2022
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Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-27 / 34833323 Third Floor inside Unit 328

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		1	13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Epicoccum		1	13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		118	6,300		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		100
Total			**6,333**	**Final MoldSCORE**	**300**

Location: ST-28 / 34833326 Third Floor Inside Unit 34

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		16	850		221
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	53		100
Basidiospores		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,013**	**Final MoldSCORE**	**221**

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-29 / 34833299 Third Floor Inside Unit 320

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		1	13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		19	1,000		237
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		101
Total			**1,253**	**Final MoldSCORE**	**237**

Location: ST-30 / 34833311 Third Floor Inside Unit 318

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		118
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		1	53		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		102
Total			**173**	**Final MoldSCORE**	**118**

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C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-31 / 34833593 Third Floor Southwest Corner of Open Common Area

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		26	1,400		268
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		2	110		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,493**	**Final MoldSCORE**	**268**

Location: ST-32 / 34833327 Third floor North-Center Portion of Open Common Area

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		20	1,100		246
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		1	53		100
Basidiospores		5	270		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**1,387**	**Final MoldSCORE**	**246**

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Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

Location: ST-33 / 34833325 Thrid Floor Inside Unit 313

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		2	110		118
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		3	160		104
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**267**	**Final MoldSCORE**	**118**

Location: ST-34 / 34833292 Third Floor Inisde Unit 309

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		66	3,500		300
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		2	110		100
Basidiospores		3	160		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**3,787**	**Final MoldSCORE**	**300**

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Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 09-27-2022

MoldSCORE™: Spore Trap Report

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

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Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

MoldRANGE™, Local Climate; Extended Outdoor Comparison

Outdoor Location: ST-1 / 34833307, Outside Main Entrance to the 1905 Building

Fungi Identified	Outdoor data	Typical Outdoor Data for: August in East North Central† EMLab Regional Climate code¹ B Annual Temp, B Elev., A Rain, B Temp. Range (n‡=201)						Typical Outdoor Data for: The entire year in East North Central† EMLab Regional Climate code¹ B Annual Temp, B Elev., A Rain, B Temp. Range (n‡=1661)					
Project zip code 52732	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	110	21	40	110	310	440	90	13	27	80	210	360	56
Bipolaris/Drechslera group	-	7	11	13	27	110	15	7	7	13	27	53	9
Chaetomium	-	-	-	-	-	-	4	7	11	13	26	36	3
Chrysosporium-like	-	-	-	-	-	-	< 1	-	-	-	-	-	< 1
Cladosporium	2,200	600	1,100	2,500	6,700	10,000	99	80	160	1,100	3,600	6,300	86
Curvularia	-	7	13	24	40	67	30	7	13	13	33	53	11
Epicoccum	13	13	13	40	110	200	75	13	13	40	120	250	49
Nigrospora	-	7	13	22	53	110	39	7	13	26	67	130	22
Penicillium/Aspergillus types	-	53	82	210	440	960	57	40	53	160	370	690	42
Pithomyces	-	13	13	53	190	400	73	13	13	27	93	210	28
Stachybotrys	-	-	-	-	-	-	< 1	-	-	-	-	-	< 1
Torula	-	13	13	27	34	67	16	9	13	20	34	53	7
Seldom found growing indoors**													
Ascospores	850	230	400	1,100	2,700	3,500	98	53	130	640	2,300	4,200	80
Basidiospores	2,800	750	1,500	3,700	7,600	12,000	99	68	180	1,400	5,000	8,200	92
Cercospora	27	13	27	53	170	290	48	13	13	44	170	300	23
Oidium	-	7	8	27	53	66	10	7	13	14	53	81	8
Rusts	-	13	13	40	110	210	55	13	13	33	93	160	29
Smuts, Periconia, Myxomycetes	27	13	13	27	100	170	64	13	13	40	120	240	58
§ TOTAL SPORES/m3	6,000												

¹EMLab Regional Climate codes are a climate classification scheme for regional geographic areas containing multiple states. The MoldRANGE™ Local Climate report uses the sampling location zip code to identify the EMLab Regional Climate code in that area. Using information available from the NOAA weather database, the EMLab Regional Climate code sharpens the precision of the MoldRANGE™reporting system, providing more reliable estimates of the range and average concentrations of the different airborne fungal spore types for each region. Additional information on the EMLab Regional Climate code system can be found on the last page of this report.

†The Typical Outdoor Data represents the typical outdoor spore levels across the region's group of states for the time period and EMLab Regional Climate code indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically and if not enough data is available to make a statistically meaningful assessment, it is indicated with a dash.

‡ n is the sample size used to calculate the MoldRANGE™ Local Climate data summarized in the table.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

U.S. Patent No. 10,387,458

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Date of Report: 08-29-2022

MoldRANGE™, Local Climate; Extended Outdoor Comparison

Outdoor Location: ST-35 / 34833312, Outside Main entrance to 1905 Building

Fungi Identified	Outdoor data	Typical Outdoor Data for: August in East North Central† EMLab Regional Climate code¹ B Annual Temp, B Elev., A Rain, B Temp. Range (n‡=201)						Typical Outdoor Data for: The entire year in East North Central† EMLab Regional Climate code¹ B Annual Temp, B Elev., A Rain, B Temp. Range (n‡=1661)					
Project zip code 52732	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	150	21	40	110	310	440	90	13	27	80	210	360	56
Bipolaris/Drechslera group	-	7	11	13	27	110	15	7	7	13	27	53	9
Chaetomium	-	-	-	-	-	-	4	7	11	13	26	36	3
Chrysosporium-like	-	-	-	-	-	-	< 1	-	-	-	-	-	< 1
Cladosporium	1,600	600	1,100	2,500	6,700	10,000	99	80	160	1,100	3,600	6,300	86
Curvularia	-	7	13	24	40	67	30	7	13	13	33	53	11
Epicoccum	-	13	13	40	110	200	75	13	13	40	120	250	49
Nigrospora	-	7	13	22	53	110	39	7	13	26	67	130	22
Penicillium/Aspergillus types	-	53	82	210	440	960	57	40	53	160	370	690	42
Pithomyces	27	13	13	53	190	400	73	13	13	27	93	210	28
Stachybotrys	-	-	-	-	-	-	< 1	-	-	-	-	-	< 1
Torula	-	13	13	27	34	67	16	9	13	20	34	53	7
Seldom found growing indoors**													
Ascospores	1,100	230	400	1,100	2,700	3,500	98	53	130	640	2,300	4,200	80
Basidiospores	2,800	750	1,500	3,700	7,600	12,000	99	68	180	1,400	5,000	8,200	92
Cercospora	150	13	27	53	170	290	48	13	13	44	170	300	23
Oidium	13	7	8	27	53	66	10	7	13	14	53	81	8
Rusts	13	13	13	40	110	210	55	13	13	33	93	160	29
Smuts, Periconia, Myxomycetes	13	13	13	27	100	170	64	13	13	40	120	240	58
§ TOTAL SPORES/m3	5,800												

¹EMLab Regional Climate codes are a climate classification scheme for regional geographic areas containing multiple states. The MoldRANGE™ Local Climate report uses the sampling location zip code to identify the EMLab Regional Climate code in that area. Using information available from the NOAA weather database, the EMLab Regional Climate code sharpens the precision of the MoldRANGE™reporting system, providing more reliable estimates of the range and average concentrations of the different airborne fungal spore types for each region. Additional information on the EMLab Regional Climate code system can be found on the last page of this report.

†The Typical Outdoor Data represents the typical outdoor spore levels across the region's group of states for the time period and EMLab Regional Climate code indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically and if not enough data is available to make a statistically meaningful assessment, it is indicated with a dash.

‡ n is the sample size used to calculate the MoldRANGE™ Local Climate data summarized in the table.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

U.S. Patent No. 10,387,458

Eurofins EMLab P&K
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(866) 871-1984 Fax (856) 334-1040 www.emlab.com

Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

Understanding EMLab Regional Climate Codes

Outdoor airborne spore concentrations are strongly influenced by climate and weather patterns, often resulting in pronounced seasonal and diurnal cycles (Burge 1995). The seasonal climatic changes directly affect the growth cycle of plants, thereby influencing fungal growth, spore maturation, and release cycles. By evaluating outdoor spore concentrations across similar climatic zones rather than for the state as a whole, it is possible to provide a more representative estimate of typical outdoor spore levels and frequency of occurrence for different airborne fungal spore types in a given area.

The EMLab Regional Climate code system is a novel classification system that uses data from the NOAA - National Oceanic and Atmospheric Administration database to define unique climate zones. The following climate variables, for each regional zip code, are obtained from NOAA and assigned a letter code of A (above the regional average for that variable) or B (below the regional average for that variable):

1. Annual High Temperature
2. Elevation
3. Rainfall/Precipitation
4. Monthly Temperature Range

The result is a 4-character code assigned to each statewide zip code, referred to as the Regional Climate Code. Below are some examples of decoded Regional Climate Codes:

AAAA = Above avg. Annual High Temperature, Above avg. Elevation, Above avg. Rainfall/Precipitation, Above avg. Monthly Temperature Range
AABB = Above avg. Annual High Temperature, Above avg. Elevation, Below avg. Rainfall/Precipitation, Below avg. Monthly Temperature Range
BBAA = Below avg. Annual High Temperature, Below avg. Elevation, Above avg. Rainfall/Precipitation, Above avg. Monthly Temperature Range

The actual outdoor air sample data from matching regional climate codes in each group of states are then compiled in a manner relating typical spore concentrations and frequency of occurrence.

The data presented in this report is from the East North Central Region which includes the states of: IA, MI, MN, and WI

The NOAA regional climate variables were selected by mapping data points from a subset of approximately 145,000 weather and geographic database entries to over 80,000 outdoor spore trap samples with known zip codes and assessing them using orthogonal array experimental design techniques. The results were then compared to the typical ranges of spore types found when grouping zip codes using the Koppen-Geiger climatic classification system; a commonly used climatic system that provides an objective numerical definition in terms of climatic elements such as temperature, rainfall, and other seasonal characteristics . The EMLab Regional Climate codes showed improved granularity and refinement of the zip code groupings, implying a better representation of the expected range of spore types to be found within an individual zip code.

The values on this report were calculated by obtaining the four variables listed above from the over 585 million data points of weather and geographic information available in the NOAA database, and determining the frequencies and percentile values of spore types by utilizing over 180,000 Eurofins EMLab P&K outdoor spore trap samples with known zip codes.

This report groups regional zip codes in relation to these EMLab Regional Climate codes and summarizes MoldRANGE™ data by month and year within each EMLab Regional Climate code.

References:

Burge, Harriet, A. Bioaerosols: Boca Raton: Lewis Publishers, pp. 163-171, 1995.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by Eurofins EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, Eurofins EMLab P&K may not have received and tested a representative number of samples for every region or time period. Eurofins EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Report for:

James Baxter
Terracon - Bettendorf, IA
870 - 40th Avenue
Bettendorf, IA 52722

Regarding: Project: 07227086; Task 32; Former YMCA-1905 Building
EML ID: 3013585

Approved by:

Technical Manager
Ariunaa Jalsrai

Dates of Analysis:
Direct microscopic exam (Qualitative): 08-26-2022

Service SOPs: Direct microscopic exam (Qualitative) (EM-MY-S-1039)
AIHA-LAP, LLC accredited service, Lab ID #103005

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

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Client: Terracon - Bettendorf, IA
C/O: James Baxter
Re: 07227086; Task 32; Former YMCA-1905 Building

Date of Sampling: 08-22-2022
Date of Receipt: 08-25-2022
Date of Report: 08-29-2022

DIRECT MICROSCOPIC EXAMINATION REPORT

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 14512181-1, Analysis Date: 08/26/2022: Tape sample Tape Lift 1: Main Level East side of counter water damaged Stain Area				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 14512182-1, Analysis Date: 08/26/2022: Tape sample Tape Lift 2: Basement Ceiling Tile Located immediately at bottom of Steps				
Moderate	Very few	4+ *Ascotricha* species (ascospores, ascomata, hyphae)	None	Mold growth
Lab ID-Version: 14512183-1, Analysis Date: 08/26/2022: Tape sample Tape Lift 3: Basement Southeast Portion from lower water damaged brick wall				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 14512184-1, Analysis Date: 08/26/2022: Tape sample Tape Lift 4: Second Floor, East Lower Portion of north Hallway Wall				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 14512185-1, Analysis Date: 08/26/2022: Tape sample Tape Lift 5: Third Floor, Wall-Mounted Shelf on North Side of Open/Common Area				
Moderate	Very few	None	None	Normal trapping
Lab ID-Version: 14512186-1, Analysis Date: 08/26/2022: Tape sample Tape Lift 6: Stairwell Between first Floor And Second Floor on South side Hand Rail Near the Lower Set of Steps				
Moderate	Very few	4+ *Aspergillus* species (spores, hyphae, conidiophores)	None	Mold growth

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded <1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
The limit of detection is < 1+ when mold growth is detected.

For additional information necessary for the interpretation of the results, all readers are advised to refer to the document "Direct Exam Details Page" which is available on our website at:
www.emlab.com/services/mold-testing/direct-microscopic-exam-qualitative/

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

Weather		Fog	Rain	Snow	Wind	Clear
Level	None	☐	☐	☐	☐	☐
	Light	☐	☐	☐	☐	
	Moderate	☐	☐	☐	☐	
	Heavy	☐	☐	☐	☐	

CONTACT INFORMATION

Company:	Terracon Consultants Inc.	Address:	870 - 40th Avenue Bettendorf, Iowa 52722
Contact:	James R. Baxter	Special Instructions:	Email results to:
Phone:	(563) 468 - 4271		James.Baxter@terracon.com

PROJECT INFORMATION

Project ID:	07227086; Task 32		
Project Description:	Former YMCA - 1905 Building		
Project Zip Code:	52732	Sampling Date & Time:	08-22-22 / 09:00-15:00
PO Number:		Sampled By:	James Baxter

TURN AROUND TIME CODES (TAT)

STD – Standard (DEFAULT)
ND – Next Business Day
SD – Same Business Day Rush
WH – Weekend / Holiday

Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

REQUESTED SERVICES
(Use checkboxes below)

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
ST-1/ 3483_3307	Outside main entrance to the 1905 building	ST	STD	75L	
ST-2/ 3483_3298	Main level, southwest area near hallway to the 1961 building	ST	STD	75L	
ST-3/ 3483_3571	Main level, southwest area near hallway to the 1961 building	ST	STD	75L	
ST-4/ 3483_3293	Main level, approximate center of main lobby/Room 1	ST	STD	75L	
ST-5/ 3483_3281	Main level, south-center portion of Room 5, near entrance to Room 6	ST	STD	75L	
ST-6/ 3483_3302	Main level, northwest portion of Room 6 near wall staining	ST	STD	75L	
ST-7/ 3483_3301	Lower stairwell landing between main level and basement	ST	STD	75L	
ST-8/ 3483_3287	Basement, approximate center of Room B1	ST	STD	75L	
ST-9/ 3483_3289	Basement, entrance of Room B3	ST	STD	75L	
ST-10/ 3483_3284	Basement, entrance of Room B3	ST	STD	75L	
ST-11/ 3483_3303	Basement, southwest corner of Room B2	ST	STD	75L	

Non-Culturable				Culturable											Other Requests			
Spore Trap		Tape Swab Bulk		BioCassette™ , Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates														
Fungi – Spore Trap Analysis	Spore Trap Analysis – Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + *Asp.* spp.)	2-Media Surface Fungi (Genus ID + *Asp.* spp.)	3-Media Surface Fungi (Genus ID + *Asp.* spp.)	Culturable Air Fungi (Genus ID + *Asp.* spp.)	Gram Stain & Counts (Culturable Air & Surface Bacteria)	*Legionella* culture	Total Coliform, *E. coli (Presence/Absence)*	Membrane Filtration (specify organism):	MPN Bacteria (specify organism):	QuantiTray – Sewage Screen		Asbestos Analysis – PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis – PLM (EPA method 600/R-93-116)	PCR (specify test):	
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SAMPLE TYPE CODES			
BC – BioCassette ™	ST – Spore Trap: Zefon, Allergenco, Burkard …	T – Tape	D – Dust
A1S – Anderson		SW – Swab	SO – Soil
SAS – Surface Air Sampler	P – Potable Water	B – Bulk	
CP – Contact Plate	NP – Non-Potable Water	O – Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
James Baxter/	08/24/22 - 17:00		

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Weather		Fog	Rain	Snow	Wind	Clear
Level	None	☐	☐	☐	☐	☐
	Light	☐	☐	☐	☐	
	Moderate	☐	☐	☐	☐	
	Heavy	☐	☐	☐	☐	

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Project ID:	07227086; Task 32		
Project Description:	Former YMCA - 1905 Building		
Project Zip Code:	52732	Sampling Date & Time:	08-22-22 / 09:00-15:00
PO Number:		Sampled By:	James Baxter

TURN AROUND TIME CODES (TAT)

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SD – Same Business Day Rush

WH – Weekend / Holiday

Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

REQUESTED SERVICES

(Use checkboxes below)

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
ST-12/ 3483_3309	Basement, approximate center of Room B8	ST	STD	75L	
ST-13/ 3483_3294	Basement, approximate center of Room B6	ST	STD	75L	
ST-14/ 3483_3291	Stairwell landing between main level and second floor	ST	STD	75L	
ST-15/ 3483_3574	Second floor, approximate center of Room 11	ST	STD	75L	
ST-16/ 3483_3308	Second floor, approximate center of north hallway, near entrance to Room 8	ST	STD	75L	
ST-17/ 3483_3313	Second floor, south-center portion of Room 8 (kitchen)	ST	STD	75L	
ST-18/ 3483_3310	Second floor, Room 10, near the doorway to Room 9	ST	STD	75L	
ST-19/ 3483_3685	Second floor, inside Unit 207	ST	STD	75L	
ST-20/ 3483_3278	Second floor, inside Unit 205	ST	STD	75L	
ST-21/ 3483_3306	Second floor, south portion of east hallway	ST	STD	75L	
ST-22/ 3483_3296	Second floor, south portion of east hallway	ST	STD	75L	

Non-Culturable				Culturable											Other Requests			
Spore Trap		Tape Swab Bulk		BioCassette™ , Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates														
Fungi – Spore Trap Analysis	Spore Trap Analysis – Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + *Asp.* spp.)	2-Media Surface Fungi (Genus ID + *Asp.* spp.)	3-Media Surface Fungi (Genus ID + *Asp.* spp.)	Culturable Air Fungi (Genus ID + *Asp.* spp.)	Gram Stain & Counts (Culturable Air & Surface Bacteria)	*Legionella* culture	Total Coliform, *E. coli (Presence/Absence)*	Membrane Filtration (specify organism):	MPN Bacteria (specify organism):	QuantiTray – Sewage Screen		Asbestos Analysis – PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis – PLM (EPA method 600/R-93-116)	PCR (specify test):	
X	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
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SAMPLE TYPE CODES			
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SAS – Surface Air Sampler	P – Potable Water	B – Bulk	
CP – Contact Plate	NP – Non-Potable Water	O – Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
James Baxter/	08/24/22 - 17:00		

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

Weather		Fog	Rain	Snow	Wind	Clear
Level	None	☐	☐	☐	☐	☐
	Light	☐	☐	☐	☐	
	Moderate	☐	☐	☐	☐	
	Heavy	☐	☐	☐	☐	

CONTACT INFORMATION

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Phone:	(563) 468 - 4271		James.Baxter@terracon.com

PROJECT INFORMATION

Project ID:	07227086; Task 32		
Project Description:	Former YMCA - 1905 Building		
Project Zip Code:	52732	Sampling Date & Time:	08-22-22 / 09:00-15:00
PO Number:		Sampled By:	James Baxter

TURN AROUND TIME CODES (TAT)

STD – Standard (DEFAULT)
ND – Next Business Day
SD – Same Business Day Rush
WH – Weekend / Holiday

Rushes received after 2 pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
ST-23/ 3483_3300	Second floor, just inside entrance to south restroom	ST	STD	75L	
ST-24/ 3483_3600	Second floor, inside Unit 201	ST	STD	75L	
ST-25/ 3483_3658	Second floor, just inside north restroom	ST	STD	75L	
ST-26/ 3483_3359	Stairwell between second and third floor	ST	STD	75L	
ST-27/ 3483_3323	Third floor, inside Unit 328	ST	STD	75L	
ST-28/ 3483_3326	Third floor, inside Unit 324	ST	STD	75L	
ST-29/ 3483_3299	Third floor, inside Unit 320	ST	STD	75L	
ST-30/ 3483_3311	Third floor, inside Unit 318	ST	STD	75L	
ST-31/ 3483_3593	Third floor, southwest corner of open/common area	ST	STD	75L	
ST-32/ 3483_3327	Third floor, north-center portion of open/common area	ST	STD	75L	
ST-33/ 3483_3325	Third floor, inside Unit 313	ST	STD	75L	

REQUESTED SERVICES
(Use checkboxes below)

Non-Culturable				Culturable										Other Requests			
Spore Trap		Tape Swab Bulk		BioCassette™ , Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates													
Fungi – Spore Trap Analysis	Spore Trap Analysis – Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + *Asp.* spp.)	2-Media Surface Fungi (Genus ID + *Asp.* spp.)	3-Media Surface Fungi (Genus ID + *Asp.* spp.)	Culturable Air Fungi (Genus ID + *Asp.* spp.)	Gram Stain & Counts (Culturable Air & Surface Bacteria)	*Legionella* culture	Total Coliform, *E. coli (Presence/Absence)*	Membrane Filtration (specify organism):	MPN Bacteria (specify organism):	QuantiTray – Sewage Screen	Asbestos Analysis – PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis – PLM (EPA method 600/R-93-116)	PCR (specify test):	
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SAMPLE TYPE CODES			
BC – BioCassette ™	ST – Spore Trap: Zefon, Allergenco, Burkard …	T – Tape	D – Dust
A1S – Anderson		SW – Swab	SO – Soil
SAS – Surface Air Sampler	P – Potable Water	B – Bulk	
CP – Contact Plate	NP – Non-Potable Water	O – Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
James Baxter/	08/24/22 - 17:00		

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at http://www.emlab.com/s/main/serviceterms.html

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CHAIN OF CUSTODY

www.EMLabPK.com

EMLab P&K
A TestAmerica Company

New Jersey: 3000 Lincoln Drive East, Suite A, Marlton, NJ 08053 * (866) 871-1984
Phoenix, AZ: 1501 West Knudsen drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

Weather		Fog	Rain	Snow	Wind	Clear
Level	None	☐	☐	☐	☐	☐
	Light	☐	☐	☐	☐	
	Moderate	☐	☐	☐	☐	
	Heavy	☐	☐	☐	☐	

CONTACT INFORMATION

Company:	Terracon Consultants Inc.	Address:	870 - 40th Avenue Bettendorf, Iowa 52722
Contact:	James R. Baxter	Special Instructions:	Email results to:
Phone:	(563) 468 - 4271		James.Baxter@terracon.com

PROJECT INFORMATION

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REQUESTED SERVICES
(Use checkboxes below)

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume / Area (as applicable)	Notes (Time of day, Temp, RH, etc.)
ST-34/ 3483 3292	Third floor, inside Unit 309	ST	STD	75L	
ST-35/ 3483 3312	Outside main entrance to 1905 building	ST	STD	75L	
Tape Lift 1	Main level, east side counter, water damaged/stained area	T	STD	NA	
Tape Lift 2	Basement, ceiling tile located immediately at bottom of steps	T	STD	NA	
Tape Lift 3	Basement, southeast portion from lower water damaged brick wall	T	STD	NA	
Tape Lift 4	Second floor, east lower portion of north hallway wall	T	STD	NA	
Tape Lift 5	Third floor, wall-mounted shelf on north side of open/common area	T	STD	NA	
Tape Lift 6	Stairwell between first floor and second floor, on south side hand rail near the lower set of steps	T	STD	NA	

Non-Culturable				Culturable											Other Requests			
Spore Trap		Tape Swab Bulk		BioCassette™ , Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plates														
Fungi – Spore Trap Analysis	Spore Trap Analysis – Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + *Asp.* spp.)	2-Media Surface Fungi (Genus ID + *Asp.* spp.)	3-Media Surface Fungi (Genus ID + *Asp.* spp.)	Culturable Air Fungi (Genus ID + *Asp.* spp.)	Gram Stain & Counts (Culturable Air & Surface Bacteria)	*Legionella* culture	Total Coliform, *E. coli (Presence/Absence)*	Membrane Filtration (specify organism):	MPN Bacteria (specify organism):	QuantiTray – Sewage Screen	Asbestos Analysis – PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis – PLM (EPA method 600/R-93-116)	PCR (specify test):	
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RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
James Baxter/	08/24/22 - 17:00		

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APPENDIX D

Photographic Documentation



Photo 1: View of spore trap samples 2 and 3 on first floor



Photo 2: Area of view of spore trap sample number 6 in stairwell leading to basement



Photo 3: General view of spore trap sample number 8 in approximate center of basement



Photo 4: General view of spore trap sample number 15 in Room 11 on second floor



Photo 5: General view of spore trap sample number 18 in Room 10 on second floor



Photo 6: General view of spore trap sample number 25 in North Restroom on second floor



Photo 7: General view of spore trap sampe number 33 in Unit 313 on third floor



Photo 8: View of observed microbial growth along the north portion of the west wall in Room 4, first floor



Photo 9: View of water stained flooring on first floor near Room 3/behind the counter



Photo 10: View of Room 3 on first floor with water stained ceiling and floor tiles



Photo 11: View near southeast corner of Room 5 on first floor with water damaged flooring and water staining on wood paneling



Photo 12: View of Room 6 on the first floor with water damaged materials and delaminated plaster on floor in room



Photo 13: View of handrail leading from first floor to second floor with water damage and suspect microbial growth



Photo 14: View of moisture-impaced ceiling tiles and rushet ceiling tile grid inside Unit 201 on second floor



Photo 15: View of second floor north hallway showing significant water damage and staining to various materials



Photo 16: Alternate view of second floor north hallway area near Room 10 and significant water damaged materials



Photo 17: View of water damaged ceiling tiles at southwest corner of Room 11 on second floor



Photo 18 View of water damaged flooring in Unit 323 on third floor



Photo 19: View of water damaged flooring in Unit 318 on third floor



Photo 20: View of significant moisture damage on south wall of basement



Photo 21: View of significant water damage in Room B8 in the basement



Photo 22: View of water damage and suspect microbial growth in northwest portion of basement

APPENDIX F

IMEG Structural Report

September 30, 2024

Mr. Jason Craft, P.E.
City of Clinton
611 S. 3rd Street
P.O. Box 2958
Clinton, Iowa 52733

Re: YMCA Building Complex
5th Avenue South
Clinton, Iowa 52732
IMEG Project #23003451.00

Dear Jason:

It is our opinion based on our site observations that the building addition west of the original building is an unsafe structure in accordance with International Building Code Section 116.1.

We noted collapsed ceilings deteriorated framing as a result of leaking roof structure.

The building is unsafe for contractors to enter for removal of selective materials.

See attached map for location.

Our recommendation is that this building be removed in accordance with IBC. In addition, it is our understanding that the building contains asbestos and should be demolished in accordance with RACAM requirements.

If you should have any questions, please don't hesitate to call.

Sincerely,

IMEG Consultants Corp.

Ali A. Gharamti, PE, SE
Senior Principal / Sr. Civil Engineering Specialist

623 26th Avenue, Rock Island, IL 61201
309.788.0673 Fax: 309.786.5967 imegcorp.com

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

10/2/24

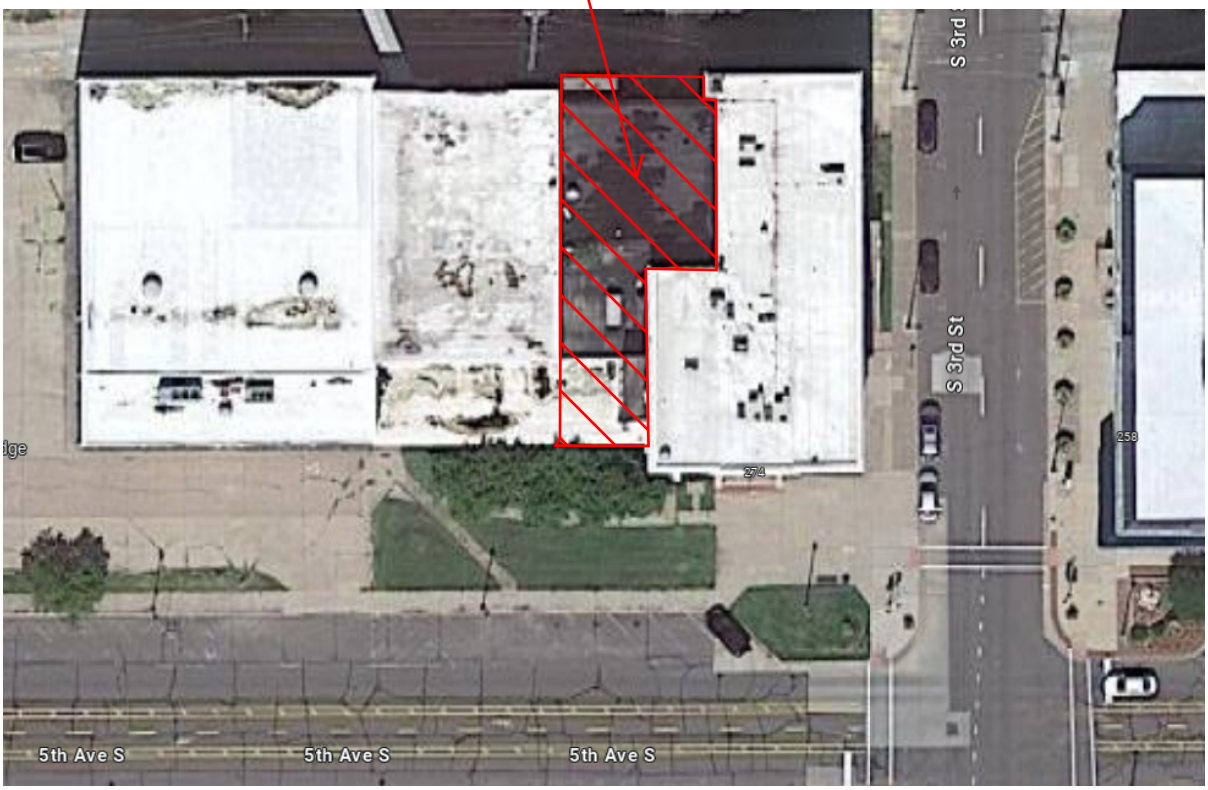
Ali A. Gharamti, P.E. October 2, 2024



My license renewal date is December 31, 2025

Pages or sheets covered by this seal: 1 - 2

Unsafe structure
to be removed.



LOCATION MAP

APPENDIX G

Structure Identification Map

APPENDIX G - STRUCTURE IDENTIFICATION MAP

North



Structure Identification Map

City of Clinton / ECIA
Fromer YMCA – 480 South 3rd Street
Clinton, Iowa 52732

APPENDIX H

Green and Sustainable Remediation Best Management Practices

Green and Sustainable Remediation Best Management Practices Plan																		
		Core Element Addressed (at Site Level)					Remediation Technology											
Category	Best Management Practice	Energy	Air	Water	Materials & Waste	Land & Ecosystems	Soil Vapor Extraction	Air Sparging	Pump & Treat	In-situ Chemical Oxidation	Bioremediation/MNA	In-situ Thermal Treatment	Phytotechnology	Subsurface Containment & Treatment Barriers	Excavation & Surface Restoration	Ex-situ Bio/Chemical Oxidation	Landfill Covers & Caps	Vapor Intrusion Mitigation
Project Planning & Team Management	Choose equipment and product vendors with production and distribution centers near the site to minimize fuel consumption associated with delivery	X	X				X	X	X	X	X	X	X	X	X	X	X	X
Project Planning & Team Management	Contract a laboratory that uses green practices and/or chemicals	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Project Planning & Team Management	Establish green requirements as evaluation criteria in the selection of contractors and include language in RFPs, RFQs, subcontracts, contracts, etc.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Project Planning & Team Management	Select local waste disposal and recycling facilities to minimize transportation impacts.	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Project Planning & Team Management	Use local staff (including subcontractors when possible to minimize transportation impacts)	X	X				X	X	X	X	X	X	X	X	X	X	X	X
Vehicles & Equipment	When using large equipment, employ auxiliary power units to power cab heating and air conditioning when a machine/vehicle is not operating to reduce idling	X	X											X	X	X	X	
Vehicles & Equipment	Implement an idle reduction plan	X	X			X	X	X	X	X	X	X	X	X	X	X	X	
Vehicle & Equipment	Soundproof all aboveground equipment housing to minimize noise disturbance to the surrounding environment					X	X	X	X			X				X		
Vehicle & Equipment	Use biodegradable hydraulic fluids on hydraulic equipment				X		X	X	X	X	X	X	X	X	X	X	X	
Vehicle & Equipment	Use retrofitted engines that use ultra-low, low sulfur diesel, or alternative fuels; or filter/treatment devices to achieve BACT or MACT		X				X	X	X	X	X	X	X	X	X	X	X	
Vehicles & Equipment	Use SmartWay transportation retrofits on tractor-trailers whenever possible	X	X				X	X	X	X	X	X	X	X	X	X	X	