Pre-Demolition Asbestos-Containing Materials Survey Report

for

Town of Vienna Existing Faith Baptist Church Building
301 Center St S
Vienna, VA 22180

Prepared for

Town of Vienna, Department of Public Works
127 Center St S
Vienna, VA 22180

Prepared by

JSK Environmental Consulting, LLC
13130 Peach Leaf Place
Fairfax, VA 22030

July 24, 2023
JSK Project Number JSK-2023-48

August 25, 2023

Town of Vienna
Department of Public Works
127 Center St S
Vienna, VA 22180

Attn: David Donahue
Deputy Public Works Director
Phone: 703-319-8603
E-mail: David.Donahue@viennava.gov

Sub: Asbestos-Containing Materials Survey Report
Existing Faith Baptist Church
301 Center Street South
Vienna, VA 22180
[Town of Vienna]
JSK Project Number JSK-2023-48

Dear Mr. Donahue:

JSK Environmental Services, LLC (JSK) performed the Asbestos-Containing Materials Survey that you requested. JSK provided its services in general accordance with our proposal dated August 5, 2023 (Proposal Number JSK-2023-77).

JSK thanks you for choosing us as your consultant for this project. Please contact us at 703-980-0573 if you have any questions or we may be of further service.

Respectfully Submitted,

JSK ENVIRONMENTAL CONSULTING, LLC.

Nand Kaushik
Principal

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1 EXECUTIVE SUMMARY

JSK Environmental Consulting, LLC (JSK) was retained by the Town of Vienna, Department of Public Works (Client) to conduct a pre-demolition Asbestos-Containing Materials (ACM) survey of the existing Faith Baptist Church Building (subject property) located at 301 Center St S, Vienna, VA 22180 [Town of Vienna]. The survey was conducted on August 9, 2023, by Mr. Michael Allshouse, EPA-accredited and State of Virginia licensed asbestos inspector and LBP risk assessor and Mr. Nand Kaushik, an EPA-accredited and Commonwealth of Virginia licensed asbestos inspector.

The subject property is located at 301 Center Street South in Vienna, Virginia 22180. It is located adjacent to the Town of Vienna Police Department building. The subject property consists of one parcel that comprises approximately 3.0 acres of land (130,680 square feet). It is identified in the Town of Vienna property records as Parcel ID: 0384-02-0150. It is zoned for Mixed Residential/Commercial use (X). It is improved with the former Faith Baptist Church building which is a two-story building. The building consists of two large assembly spaces, a sanctuary and a multi-purpose room, connected and adjoined by support spaces including offices, classrooms, toilet rooms, and mechanical and electrical rooms. The building has a second story with additional classrooms and storage, accessed by a stair at either end of the story. The second story has no toilet facilities or other support spaces. According to information obtained from the Town of Vienna property records the total floor area of the building comprises approximately 25,950 square feet. The first floor comprises an area of approximately 18,700 square feet, of which the sanctuary occupies an area of 3,523 square feet, the multipurpose room an area of 5,440 square feet, classrooms an area of 1,757 square feet, storage space an area of 300 square feet and the business space an area of 7,952 square feet.

The original construction of the building is unknown, but an addition was added to the original building structure in 1988. The subject property also includes an associated parking lot and landscaped areas. It is located in a mixed residential and commercial neighborhood. Access to the Site is gained from Center St to the east.

It is JSK's understanding that the building is proposed to be demolished. Prior to the demolition of the building, the Town of Vienna decided to conduct an ACM survey of the entire building to include the interior, exterior and roof of the building. The Town of Vienna indicated that they would like roof cores to be collected to understand the thickness of the existing roof structure and to test the different layers for the presence of ACM.

The purpose of the investigation and sampling was to provide information regarding the presence, condition, and estimated quantity of accessible ACMs located at the interior, exterior and the roof of the subject property building prior to the planned demolition of the building structure. The scope included not only the areas of the building that would be impacted by the proposed building demolition operations, but also the interior, entire exterior and roof of the building.

Asbestos Survey

The asbestos inspection & sampling were conducted on August 9, 2023, by Mr. Michael Allshouse, EPA-accredited and State of Virginia licensed asbestos inspector and LBP risk assessor and Mr. Nand Kaushik, an EPA-accredited and Commonwealth of Virginia licensed asbestos inspector.

A total of seventy-one (71) samples comprising thirty-three (33) homogeneous materials (HMs) were collected from the subject property building during the asbestos survey and analyzed by polarized light microscopy (PLM). The U.S. Environmental Protection Agency (EPA) and the U.S. Occupational Safety and Health Administration (OSHA) define an ACM as any material containing greater than one percent (>1%) asbestos.

Laboratory PLM analysis indicated the following ACMs at the subject property building:

- **9" by 9" Tan Vinyl Floor Tile with Associated Black Mastic located under carpet in Room 1 Adjoining the Sanctuary. This material is also present in the Office and Storage Room near the rear foyer area and Corridor and Classrooms near the rear foyer on the 1st floor and under the stairwell leading to the 2nd floor, that are part of the original building construction.**

- **White Drywall with Associated White Joint Compound and White Paint located throughout Sanctuary and Adjoining Rooms.**

- **White Drywall with Associated White Joint Compound, White Tape and White Paint located in the rear Foyer area and Girls' and Boys' restroom near Rear Foyer area of the building (Original building construction). This material is also present in the classroom and other areas of the original building construction on the first and second floors.**

- **Cream 9" by 9" Vinyl floor Tile with associated black mastic located in the 1st floor storage room across from the rear foyer area.**

- **Black Sink Bowl Mastic Coating located in the Kitchen area adjacent to multi-Purpose Room.**

- **Tan with brown streaks 9" by 9" Vinyl Floor Tile with associated black mastic located in the 2nd Floor Corridor (original building construction). This material is also located in Classroom 2 and 3 on the 2nd floor of the original building construction.**

- **White exterior door caulk located on the front entrance door and exterior door on left side of building.**

JSK did not observe any assumed ACMs within the facility**.**

The following summarizes the samples that were collected during the survey.

THERMAL SYSTEMS

- Thermal insulation and thermal wrap on HVAC systems and water pipes have been noted to be an ACM. Thermal pipe insulation was observed in the mechanical room and samples were collected, However, none of the samples were found to be ACM.

SURFACING MATERIALS

- Flooring: Several types of vinyl tile and linoleum have been known to be an ACM. Flooring materials in the interior of the building were found to comprise several types of vinyl floor tiles and resilient

floor covering. Samples of the vinyl floor tile and associated mastic were collected and materials were determined to be ACM.

- Interior Walls/Ceilings: Several types of interior wall/ceiling material have been known to be an ACM. Interior wall/ceiling materials were drywall, tile and lay-in ceiling tiles. Samples were collected and materials were determined to be ACM.

- Exterior walls: Several types of exterior wall material have been known to be an ACM. Exterior wall materials were concrete, brick/cinderblock and expansion joint compound. No samples were collected. However, grout and caulking on doors and windows were collected as discussed below.

MISCELLANEOUS

- Roofing: Several types of roofing material have been known to be ACM. Roofing at the subject property was comprised of built-up roofing with asphalt, foam insulation and gravel on top. Samples of the roof cores, roof flashing at roof penetrations and caulking along the parapet walls on the roof were collected and were not determined to be an ACM.

- Windows and Doors: Several types of windows and door caulk/glazing have been noted to be an ACM. The exterior of the building included several types of windows and service doors. Several samples of the caulking and grouting were collected, and some materials were determined to be ACM.

- Insulation: Several types of insulation (perlite, vermiculite, etc.) have been known to be ACM. No insulation was noted on the roof, and no samples were collected.

- Mastic: Several types of mastic (glue), floor, wall, and ceiling, have been known to be ACM. The mastic associated with the flooring materials were collected and some materials were determined to ACM.

This summary does not contain all the information presented in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

2 INTRODUCTION

JSK Environmental Consulting, LLC was tasked by the Town of Vienna, Department of Public Works (Client) to conduct a pre-demolition Asbestos-Containing Materials (ACM) survey of the existing Faith Baptist Church Building (subject property) located at 301 Center St S, Vienna, VA 22180 [Town of Vienna]. The ACM survey was completed by a USEPA accredited and Commonwealth of Virginia licensed asbestos inspector.

This survey report is organized into the following sections:

- Section 3 discusses the General Building and Survey Information.
- Section 4 discusses the Methodology.
- Section 5 discusses survey findings.
- Section 6 discusses conclusions and recommendations from the survey.

The following appendices were added to this report as supplemental information:

- Appendix A contains the laboratory report of the bulk sample analysis for asbestos and chain of custody.
- Appendix B contains a schematic layout of the facility and sample collection locations.
- Appendix C contains the inspector and laboratory certifications.
- Appendix D contains the Photo log of the asbestos samples collected from the roof of the facility.

2.1 SCOPE OF SERVICES

The scope of services for this project consisted of conducting the following services:

- A pre-demolition asbestos assessment, including inspection, sampling and analysis of accessible and exposed areas within the interior, exterior and on the roof of the subject property building.

The subject area(s) of the facility for this investigation included accessible and exposed portions on the exterior of the facility that will be impacted by the demolition operations, and also the interior and roof of the building.

The investigation included a review of client provided records or documents (if available), visual inspection of the subject area(s), asbestos sample collection, PLM asbestos sample analysis, quantification of ACMs, and report preparation and review. No sampling was conducted for other suspect hazardous materials within the scope of this investigation.

Asbestos Survey

This survey was intended to identify all asbestos containing materials (ACM) as required by the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP), the US Occupational Safety and Health Administration (OSHA) and the State of Virginia. Additional information relative to friability, quantity and condition is also provided to assist the owner or his representative in the appropriate decisions involved with renovation and demolition. Regulations pertaining to asbestos renovation and demolition surveys include 40 CFR Part 61 (EPA NESHAP), 29 CFR 1926.1101 (OSHA Asbestos in Construction) and applicable State of Virginia regulations.

2.2 PURPOSE

The purpose of this survey was to provide general information for the subject building regarding the presence, condition, and quantity of accessible and/or exposed building materials that contain asbestos, within the interior, exterior and on the building roof prior to the replacement of the exterior windows.

2.3 AUTHORIZATION

Authorization to perform this work was given on August 9, 2023, through the issuance of a Standard Purchase Order Number 20240178 issued by the Town of Vienna County Government. The project was conducted in accordance with the scope, terms and conditions of JSK's signed Proposal No. JSK-2023-77, dated August 5, 2023.

2.4 LIMITATIONS

This asbestos survey was intended to meet the requirements of the EPA National Emission Standards for Hazardous Air Pollutants (NESHAP) for Asbestos demolition or renovation. The survey included a thorough inspection of accessible areas of the subject property prior to renovation.

The survey included the interior, exterior and roof of the subject property building.

Destructive sampling, such as behind finished surfaces (plaster/drywall walls, above hard ceilings, etc.); inside mechanical chases, behind mirrored walls, under carpet or tiled floors, etc., was generally conducted to try to assess inaccessible or concealed materials. Void spaces which were evaluated included locations of suspected pipe or HVAC chases, wall cavities where fireproofing or other ACM was suspected, above finished ceiling systems where ACM was likely to exist, within pipe trenches or within concealed locations. Although JSK made an attempt to identify all areas of ACM, an exhaustive investigation of void spaces was not included in the scope of services for this project. There may exist conditions which were unable to be identified within the scope of this survey.

Inaccessible is defined as areas of the building that were locked, or where admittance was not permitted. It also includes areas/materials that could not be tested (sampled) without destruction of the structure or a portion of the structure, and areas/materials that could not be safely reached by the inspector or inspection team. In the event that access to a portion of the building was not obtained (which otherwise would have been tested), such limitations specifically are identified in the Findings Section of this report.

JSK did not sample any system which presented a hazard to the inspection team such as energized electrical systems or within confined spaces.

JSK did not collect samples from building elements where the intended use would be compromised by testing, such as fire rated doors, vapor barriers, mirror mastics, etc.

2.5 WARRANTY

The field and laboratory results reported herein are considered sufficient in detail and scope to determine the presence of accessible and/or exposed suspect ACM associated with the building structure. JSK warrants that the findings contained herein have been prepared in general accordance with accepted professional

practices at the time of its preparation as applied by professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the client with information regarding the presence of accessible and/or exposed suspect ACM existing at the time of the inspection. Test results are valid only for the material(s) tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study, or which were not apparent during the site visit. This inspection covered only those areas that were exposed and/or physically accessible to the Inspector. The study is also limited to the information available from the client at the time it was conducted.

No other warranties are implied or expressed.

3 GENERAL BUILDING AND SURVEY INFORMATION

3.1 BUILDING INFORMATION

Subject Property:	The existing Faith Baptist Church Building located at 301 Center St S, Vienna, VA 22180 [Town of Vienna].
Facility Construction Date:	Unknown, but It appears that the original construction of the building may date to the 1940s.
Previous Renovation Dates:	Unknown.
Number of Floors:	Mostly One but the original construction of the building includes an upper level.
Approximate Size (SF)	The overall floor area of the building totals approximately 25,950 square feet square feet.
Construction Type	concrete slab on grade foundation, brick masonry unit interior bearing walls; concrete tiltup wall panels, steel columns and metal deck on steel beams and joists. The roof structure is comprised of built-up roofing with asphalt, foam insulation and gravel on top.
Building Occupant(s):	Unoccupied at the time of the site reconnaissance.
Additional Information:	The scope of the survey included the interior, exterior and roof of the subject property building.

3.2 INSPECTION INFORMATION

Name of JSK Inspector(s):	Mr. Michael Allshouse Virginia Asbestos Inspector License Number: 3303003902. Mr. Nand Kaushik Virginia Asbestos Inspector License Number: 3303004514.
Date(s) of Inspection:	August 9, 2023
Escort:	JSK was escorted during the visit.

4 METHODOLOGY

Inspection and sampling procedures were performed in general accordance with the guidelines published by the U.S. Environmental Protection Agency (EPA). The inspection and survey described below was performed by an EPA accredited and licensed asbestos inspector.

4.1 RECORD DOCUMENT REVIEW

Prior to conducting the visual inspection, JSK reviewed documents provided by the client, including drawings, floor plans, historical data, maintenance records, previous survey reports, laboratory reports, etc. for information regarding construction history and building materials.

- Limited Building Plans were provided at the time of the site survey.

4.2 ASBESTOS SURVEY METHODOLOGY

Inspection Procedures

An initial individual building structure walkthrough was conducted to determine the presence of suspect asbestos-containing materials that were accessible and/or exposed within the interior of the building.

Destructive investigation, such as behind finished surfaces (plaster/drywall walls, above hard ceilings, etc.); inside mechanical chases, behind mirrored walls, under carpet or tiled floors, etc., was generally conducted in a limited fashion to try to assess inaccessible or concealed materials. The inspection team selected a few representative areas to perform an intrusive evaluation of void spaces within the building or structure. Such inspections were made by creating an opening of sufficient size to determine the presence, condition and quantity of suspect ACM within. Although JSK made an attempt to identify all areas of ACM, an exhaustive investigation of void spaces was not included in the scope of services for this project. There may exist conditions which were unable to be identified within the scope of this survey. JSK did not collect samples from building elements where the intended use would be compromised by testing, such as fire rated doors, vapor barriers, mirror mastics, etc.

Materials which were similar in color, texture, general appearance and which appear to have been installed at the same time were grouped in Homogeneous Sampling Areas. Such materials are termed "homogeneous materials" by the EPA. During this walkthrough, the approximate locations of these homogeneous materials were also noted.

The inspector evaluated the overall condition of the material and determined whether the materials were friable or non-friable by touching the material, where practical. A friable material is defined as any material able to be crushed, crumbled, pulverized or reduced to a powder by hand press when dry.

Each material was further assessed for overall condition. Conditions were rated as good, damaged or significantly damaged. JSK's inspector also identified the EPA classification of the material: Regulated ACM (RACM), Category I non-friable ACM, and Category II non-friable ACM, based on the materials current condition. JSK's inspector provided estimated quantities of the materials identified as ACM, based only on materials that were accessible and exposed.

Sampling Procedures

Following the walkthrough, the Inspector collected samples of suspect materials.

EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to be representative of the homogeneous sampling area. While an effort was made to collect samples randomly, samples were taken preferentially from areas already damaged or areas which were the least visible to minimize disturbance of the material.

Each sample location was sprayed with amended water and was kept wet during the entire sampling process. Samples were collected by coring through the material from the surface down to the base substrate. All layers of the material were extracted in placed into a sample container for transport to the laboratory. Sample containers were sealed and labeled with a unique sample identification number. Where appropriate, sampled materials were sealed with an encapsulant or covered with tape after sampling. JSK is not responsible for restoring the sampled areas to their pre-sampled condition.

Laboratory Analysis

All samples were analyzed at Aerobiology Laboratory located at 22 Cummings Park, Woburn, MA 01801. The Aerobiology Laboratory is a National Voluntary Laboratory Accreditation Program (NVLAP) Accredited and an American Industrial Hygiene Association (AIHA) Accredited Laboratory. A copy of the Laboratory's Accreditation certificate is included in Appendix C.

The samples were analyzed for asbestos on a "positive-stop" basis by polarized light microscopy (PLM) in accordance with the "EPA Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116 July 1993). Analysis was performed by visually observing the bulk samples with a stereoscope followed by slide preparation(s) for microscopic examination and identification.

Using a stereoscope, the microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample. Next, the samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, actinolite/tremolite), and fibrous non-asbestos constituents (mineral wool, fiberglass, cellulose, etc.). Asbestos was identified by refractive indices, morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

The EPA method allows samples which are visually determined to have less than 10% asbestos to be quantified using a Point Count procedure. An ocular reticule (cross hair or point array) is used to visually superimpose a point or points on the microscope field of view. A total of 400 points superimposed on either asbestos fibers or non-asbestos matrix material must be counted over at least eight different preparations of representative subsamples. If an asbestos fiber and matrix particle overlap so that a point is superimposed on their visual intersection, a point is scored for both categories. Point counting provides a quantification of the area percent asbestos. No samples were point-counted for this survey.

5 FINDINGS

JSK collected a total of seventy-one (71) samples comprising thirty-three (33) suspect homogenous materials (HM) from the interior, exterior and roof of the roof of the subject property building. Table 1 lists the materials that were sampled, along with the results of the inspection and laboratory analysis.

Laboratory PLM analysis indicated the following ACMs at the subject property building:

- **9" by 9" Tan Vinyl Floor Tile with Associated Black Mastic located under carpet in Room 1 Adjoining the Sanctuary. This material is also present in the Office and Storage Room near the rear foyer area and Corridor and Classrooms near the rear foyer on the 1st floor and under the stairwell leading to the 2nd floor, that are part of the original building construction.**

- **White Drywall with Associated White Joint Compound and White Paint located throughout Sanctuary and Adjoining Rooms.**

- **White Drywall with Associated White Joint Compound, White Tape and White Paint located in the rear Foyer area and Girls' and Boys' restroom near Rear Foyer area of the building (Original building construction). This material is also present in the classroom and other areas of the original building construction on the first and second floors.**

- **Cream 9" by 9" Vinyl floor Tile with associated black mastic located in the 1st floor storage room across from the rear foyer area.**

- **Black Sink Bowl Mastic Coating located in the Kitchen area adjacent to multi-Purpose Room.**

- **Tan with brown streaks 9" by 9" Vinyl Floor Tile with associated black mastic located in the 2nd Floor Corridor (original building construction). This material is also located in Classroom 2 and 3 on the 2nd floor of the original building construction.**

- **White exterior door caulk located on the front entrance door and exterior door on left side of building.**

JSK did not observe any assumed ACMs within the facility**.**

The following summarizes the samples that were collected during the survey.

THERMAL SYSTEMS

- Thermal insulation and thermal wrap on HVAC systems and water pipes have been noted to be an ACM. Thermal pipe insulation was observed in the mechanical room and samples were collected, However, none of the samples were found to be ACM.

SURFACING MATERIALS

- Flooring: Several types of vinyl tile and linoleum have been known to be an ACM. Flooring materials in the interior of the building were found to comprise several types of vinyl floor tiles and resilient

floor covering. Samples of the vinyl floor tile and associated mastic were collected and materials were determined to be ACM.

- Interior Walls/Ceilings: Several types of interior wall/ceiling material have been known to be an ACM. Interior wall/ceiling materials were drywall, tile and lay-in ceiling tiles. Samples were collected and materials were determined to be ACM.

- Exterior walls: Several types of exterior wall material have been known to be an ACM. Exterior wall materials were concrete, brick/cinderblock and expansion joint compound. No samples were collected. However, grout and caulking on doors and windows were collected as discussed below.

MISCELLANEOUS

- Roofing: Several types of roofing material have been known to be ACM. Roofing at the subject property was comprised of built-up roofing with asphalt, foam insulation and gravel on top. Samples of the roof cores, roof flashing at roof penetrations and caulking along the parapet walls on the roof were collected and were not determined to be an ACM.

- Windows and Doors: Several types of windows and door caulk/glazing have been noted to be an ACM. The exterior of the building included several types of windows and service doors. Several samples of the caulking and grouting were collected, and some materials were determined to be ACM.

- Insulation: Several types of insulation (perlite, vermiculite, etc.) have been known to be ACM. No insulation was noted on the roof, and no samples were collected.

- Mastic: Several types of mastic (glue), floor, wall, and ceiling, have been known to be ACM. The mastic associated with the flooring materials were collected and some materials were determined to ACM.

The "Report of Bulk Sample Analysis for Asbestos", Sample Location diagram and Photographs are included in the Appendices. Table 1 on the following pages list the suspect asbestos-containing materials observed on the subject property building roof that will be impacted by the roof replacement operations. Table 1 lists the materials that were sampled, along with the results of the inspection and laboratory analysis. The table also gives a description of the materials, their general locations, condition, friability, EPA NESHAP Category, and estimated quantity for abatement.

Inaccessible Areas

JSK did not encounter any inaccessible areas.

Regulatory Guidelines

ACM Definition - The EPA & OSHA consider a material to be asbestos-containing if at least one sample from the homogeneous area shows asbestos in an amount greater than 1%.

Point Count Quantification - If a material is found to contain less than 10% asbestos via visual estimation, it can be treated as non-ACM per EPA Regulations, if verified to contain 1% or less asbestos by the Point Count

Quantification Procedure. If not point counted, a sample in which asbestos was visually detected and estimated (including trace to ≤1%) must be assumed to be greater than 1% and treated as ACM. Please refer to the laboratory analyses for a more detailed description of the microscopic analysis of individual samples. No samples were quantified by the Point Count Procedure in this Asbestos Survey.

EPA NESHAP Category - EPA classifies ACM into the following categories:

- ***RACM*** is any (a) Friable asbestos material, (b) Category I non-friable ACM that has becomes friable, (c) Category I non- friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.
- ***Category I Non-friable ACM*** includes packings, gaskets, resilient floor covering, and asphalt roofing products which contain more than one percent asbestos.
- ***Category II Non-friable ACM*** includes any material, except for a Category I non-friable ACM, which contains more than one-percent asbestos and cannot be reduced to a powder by hand pressure when dry.

OSHA – OSHA requires all suspect materials to be analyzed by layer, even materials such as drywall/joint compound, which may sometimes be composited per the EPA. If any layer contains asbestos in a concentration >1%, the material is considered an ACM.

OSHA has a classification system (I thru IV) for ACM depending on the type of material and the disturbance as follows:

- ***'Class I'*** work is defined as activities involving the removal of ACM or presumed ACM (PACM) that is thermal system insulation (TSI) and surfacing materials.
- ***'Class II'*** activities involve removal of ACM/PACM other than TSI or surfacing material.
- ***'Class III'*** work includes repair and maintenance operations which are likely to disturb ACM/PACM.
- ***'Class IV'*** work includes maintenance and custodial activities during which employees contact but do not disturb ACM/PACM.

Materials where asbestos is detected, but where point counting is conducted and determined that the concentration is ≤1% asbestos, are not considered to be ACM by OSHA. However, these materials are considered unclassified asbestos work per OSHA. Some OSHA work control practices and prohibitions will still apply, with the extent depending on whether the worker's exposure to airborne asbestos exceeds the OSHA permissible exposure limit (PEL).

Additional details of the OSHA asbestos regulations related to the construction industry can be found in 29 CFR part 1926.1101.

Quantification

Quantification of suspect asbestos-containing materials was conducted using visual estimation by a licensed asbestos inspector. This visual estimation was performed in accordance with generally accepted practices in the asbestos industry based on materials that were accessible and exposed. These values are sufficiently accurate for the purpose of documenting the presence of asbestos within its space for the purpose of identifying abatement control conditions or for general policy considerations. Actual quantities may differ

between visually estimated values and physical measurements. If a licensed asbestos abatement contractor is engaged to remove asbestos containing materials, the abatement contractor is responsible for verifying reported quantities of ACM.

TABLE 1 – SUSPECT ACMs SAMPLED – Town of Vienna Faith Baptist Church Building, 301 Center St S, Vienna, VA 22180							
HM NUMBER (SAMPLE NUMBERS)	**MATERIAL DESCRIPTION**	**MATERIAL SAMPLE LOCATION**	**F/NF[1]**	**COND.[2]**	**% ASBESTOS & TYPE[3]**	**EPA NESHAP CAT [4]**	**ESTIMATED QUANTITY**
HM 1 (HM1-1 to HM1-2)	Built-up Roof Field with yellow insulation	Building roof on the flat part	NF	Good	NAD	N/A	N/A
HM 2 (HM2-3 to HM2-4)	Black Roof Flashing Caulk	Building roof on the flat part	NF	Good	NAD	N/A	N/A
HM 3 (HM3-5 to HM3-6)	Black/Gray Parapet Wall Cap Caulk	Shingle Roof over the Sanctuary	NF	Good	NAD	N/A	N/A
HM 4 (HM4-7 to HM4-8)	Black Asphalt Shingle with Black Felt Paper	Shingle Roof over the Sanctuary	NF	Good	NAD	N/A	N/A
HM 5 (HM5-7A to HM5-8A)	Black Asphalt Shingle with Black Felt Paper	Shingle Roof over Original Building Construction	NF	Good	NAD	N/A	N/A
HM 6 (HM6-9 to HM6-10)	Built-up Black Asphalt Roof Field	Portico flat roof at rear of the building	NF	Good	NAD	N/A	N/A
HM 7 (HM7-11 to HM7-12)	**9” by 9” Tan Vinyl Floor Tile with Associated Black Mastic**	**Under carpet in Room 1 Adjoining the Sanctuary. This material is also present in the Office and Storage Room near the rear foyer area and Corridor and Classrooms near the rear foyer on the 1st floor and under the stairwell leading to the 2nd floor, that are part of the original building construction.**	**NF**	**Good**	**VFT: 10% CH Mastic: 2% CH**	**Cat I NF**	**5,200 SF**

TABLE 1 – SUSPECT ACMs SAMPLED – Town of Vienna Faith Baptist Church Building, 301 Center St S, Vienna, VA 22180							
HM NUMBER (SAMPLE NUMBERS)	**MATERIAL DESCRIPTION**	**MATERIAL SAMPLE LOCATION**	**F/NF[1]**	**COND.[2]**	**% ASBESTOS & TYPE[3]**	**EPA NESHAP CAT [4]**	**ESTIMATED QUANTITY**
HM 8 (HM8-13 to HM8-14)	4" Brown Vinyl Cove Base with associated tan mastic	Rooms 1 and 2 adjoining Sanctuary	NF	Good	NAD	N/A	N/A
HM 9 (HM9-15 to HM9-17)	White 2' by 4' Lay-in Ceiling Tile with Fissures Design	Rooms 1 and 2 adjoining Sanctuary	NF	Good	NAD	N/A	N/A
HM 10 (HM10-18 to HM10-19)	White Interior Window caulk	Rooms 1 and 2 adjoining Sanctuary	NF	Good	NAD	N/A	N/A
HM 11 (HM11-20 to HM11-22)	**White Drywall with Associated White Joint Compound and White Paint**	**Throughout Sanctuary and Adjoining Rooms**	**NF**	**Good**	**DW: NAD JC: 2% CH**	**Cat I NF**	**45,000 SF**
HM 12 (HM12-23 to HM12-24)	4" Black Vinyl Cove Base with associated tan mastic	Room 3 adjoining Sanctuary on the upper level	NF	Good	NAD	N/A	N/A
HM 13 (HM13-25 to HM13-27)	White 2' by 4' Lay-in Ceiling Tile with Pin Dots Design	Room 3 adjoining Sanctuary on the upper level	NF	Good	NAD	N/A	N/A
HM 14 (HM14-28 to HM14-29)	Brown square pattern Resilient Sheet Flooring	Restroom adjacent to the sanctuary and the rear Foyer of the building	NF	Good	NAD	N/A	N/A
HM 15 (HM15-30 to HM15-31)	Tan Carpet Glue	Rear Foyer of the building	NF	Good	NAD	N/A	N/A
HM 16 (HM16-32 to HM16-34)	**White Drywall with Associated White Joint**	**Rear Foyer area and Girls' and Boys' restroom near Rear Foyer area of the**	**NF**	**Good**	**DW: NAD JC: 2% CH**	**Cat I NF**	**15,000 SF**

TABLE 1 – SUSPECT ACMs SAMPLED – Town of Vienna Faith Baptist Church Building, 301 Center St S, Vienna, VA 22180							
HM NUMBER (SAMPLE NUMBERS)	**MATERIAL DESCRIPTION**	**MATERIAL SAMPLE LOCATION**	**F/NF[1]**	**COND.[2]**	**% ASBESTOS & TYPE[3]**	**EPA NESHAP CAT [4]**	**ESTIMATED QUANTITY**
	Compound, White Tape and White Paint	**building (Original building construction). This material is also present in the classroom and other areas of the original building construction on the first and second floors.**					
HM 17 (HM17-35 to HM17-36)	Tan Vinyl Stair Tread with associated Tan Mastic	Stairwell leading to second floor near rear foyer area (original building construction)	NF	Good	NAD	N/A	N/A
HM 18 (HM18-37 to HM18-38)	**Cream 9" by 9" Vinyl floor Tile with associated black mastic**	**1st floor storage room across from the rear foyer area**	**NF**	**Good**	**VFT: 15% CH Mastic: NAD**	**Cat I NF**	**250 SF**
HM 19 (HM19-39 to HM19-41)	White 1' by 1' Lay-in-Ceiling Tile	1st floor corridor near the rear foyer area (original building construction).	NF	Good	NAD	N/A	N/A
HM 20 (HM20-42 to HM20-43)	Cream mottled 12" by 12" Vinyl Floor Tile with associated cream mastic	Girl's restroom off the corridor near the rear foyer area (original building construction).	NF	Good	NAD	N/A	N/A
HM 21 (HM21-44 to HM21-45)	Cream mottled 12" by 12" Vinyl Floor Tile with associated Black mastic	Boy's restroom off the corridor near the rear foyer area (original building construction).	NF	Good	NAD	N/A	N/A
HM 22 (HM22-46 to HM22-47)	White Pipe insulation Mastic	Mechanical Room.	NF	Good	NAD	N/A	N/A

TABLE 1 – SUSPECT ACMs SAMPLED – Town of Vienna Faith Baptist Church Building, 301 Center St S, Vienna, VA 22180							
HM NUMBER (SAMPLE NUMBERS)	**MATERIAL DESCRIPTION**	**MATERIAL SAMPLE LOCATION**	**F/NF[1]**	**COND.[2]**	**% ASBESTOS & TYPE[3]**	**EPA NESHAP CAT [4]**	**ESTIMATED QUANTITY**
HM 23 (HM23-48 to HM23-49)	Gray Boiler Flue Pipe Wall Packing	Mechanical Room	NF	Good	NAD	N/A	N/A
HM 24 (HM24-50 to HM24-51)	Gray Sink Bowl Mastic Coating	Kitchen area adjacent to multi-Purpose Room.	NF	Good	NAD	N/A	N/A
HM 25 (HM25-52 to HM25-53)	**Black Sink Bowl Mastic Coating**	**Kitchen area adjacent to multi-Purpose Room.**	**NF**	**Good**	**5% CH**	**Cat I NF**	**7 SF**
HM 26 (HM26-54 to HM26-56)	White Gypsum 2' by 4' Ceiling Tile	Kitchen area adjacent to multi-Purpose Room.	NF	Good	NAD	N/A	N/A
HM 27 (HM27-57 to HM27-58)	Yellow Carpet Glue mixed in with Black Mastic	Classroom 2 adjacent to multi-purpose Room	NF	Good	NAD	N/A	N/A
HM 28 (HM28-59 to HM28-60)	Brown mottled 12" by 12" Vinyl Floor Tile with associated tan/black Mastic	2nd Floor Classroom 1 (original building construction).	NF	Good	NAD	N/A	N/A
HM 29 (HM22-61 to HM29-63)	Tan Blown-in Attic Insulation	Attic on 2nd floor (original building construction).	NF	Good	NAD	N/A	N/A
HM 30 (HM30-64 to HM30-65)	**Tan with brown streaks 9" by 9" Vinyl Floor Tile with associated black mastic**	**2nd Floor Corridor (original building construction). This material is also located in Classroom 2 and 3 on the 2nd floor of the original building construction.**	**NF**	**Good**	**VFT: 2% CH Mastic: 5% CH**	**Cat I NF**	**4,880 SF**

TABLE 1 – SUSPECT ACMs SAMPLED – Town of Vienna Faith Baptist Church Building, 301 Center St S, Vienna, VA 22180							
HM NUMBER (SAMPLE NUMBERS)	**MATERIAL DESCRIPTION**	**MATERIAL SAMPLE LOCATION**	**F/NF[1]**	**COND.[2]**	**% ASBESTOS & TYPE[3]**	**EPA NESHAP CAT [4]**	**ESTIMATED QUANTITY**
HM 31 (HM31-66 to HM31-67)	Brown exterior door caulk	Front entrance door	NF	Good	NAD	N/A	N/A
HM 32 (HM31-68 to HM31-69)	**White exterior door caulk**	**Front entrance door and exterior door on left side of building**	**NF**	**Good**	**2% CH**	**Cat I NF**	**30 LF**
HM 33 (HM31-70 to HM31-71)	White exterior window caulk	Left and right-side exterior windows.	NF	Good	NAD	N/A	N/A

1 F = Friable; NF = Non-friable.
2 Cond. = Condition of Materials: Either good, dam = damaged., sig. dam. = significant damage
3 NAD = No Asbestos Detected, Ch = Chrysotile, Am = Amosite, DW = Drywall; JC = Joint Compound; VFT = Vinyl Floor Tile; CB = Cove Base; CT = Ceramic Tile; CFT = Ceramic Floor Tile; CWT = Ceramic Wall Tile; LCT = Lay-in Ceiling Tile; RSF = Resilient Sheet Flooring; SF = Square Feet.
4 NESHAP Category - Regulated ACM (RACM), Cat I NF=Category I Non-Friable ACM, Cat II NF= Category II Non-Friable ACM.

6 CONCLUSIONS & RECOMMENDATIONS

6.1 CONCLUSIONS

ACMs were found within the interior and exterior of the existing Faith Baptist Church Building that may be impacted by the demolition operations.

JSK did not observe any assumed ACMs within the interior, exterior or roof of the subject property building that will be impacted by the demolition operations.

Materials with low concentrations of asbestos (trace to 1%) were not identified within the interior, exterior or roof of the subject property building that will be impacted by the demolition operations.

6.2 RECOMMENDATIONS

JSK found asbestos containing materials during the survey. The identified RACM – Cat I Non-Friable ACM should be maintained in a good non-damaged condition until the building is demolished.

The identified materials containing asbestos (Cat I Non-Friable) must be properly removed by a licensed asbestos abatement contractor prior to renovations or demolition that would disturb the material. Federal, State and Local regulations and guidelines should be strictly adhered to when removing the ACM.

Prior to any future maintenance, renovation, or demolition activities, any newly discovered suspect ACMs or previously identified materials that were not sampled within the interior or exterior of the building should be tested. Any areas that were noted as being inaccessible during this project or any concealed areas, such as behind walls, where suspect ACMs are discovered, will require a survey for ACM.

JSK Environmental Services, LLC
Engineering...Consulting...Monitoring...

APPENDIX A – REPORT OF BULK SAMPLE ANALYSIS FOR ASBESTOS AND CHAIN OF CUSTODY

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Aerobiology Laboratory Associates, Incorporated
A Pace Analytical® Laboratory

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22 Cummings Park
Woburn, MA 01801
(781) 935-3212
www.aerobiology.net

Client:
JSK Environmental Services, LLC
13130 Peach Leaf Place
Fairfax, VA 22030
Attn: Nand Kanshik

Certificate of Analysis

Project Name: ACM Survey for Old Church Building, Vienna, VA

Proiect ID: 23033257

Date Collected: N/A
Date Received: 08/15/23
Date Analyzed: 08/17/23
Date Reported: 08/18/23
Job ID: Old Church

Test Requested: **Asbestos Bulk Analysis, Polarized Light Microscopy (PLM):** EPA 600/R-93/116: Method for Asbestos in Bulk Building Materials, EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

Sample Identification		Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos		
Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM1-1	23033257-001-A	Black Roof Field	N	30	ND		15	85	CELL, FBG
	23033257-001-B	Yellow Insulation	N	70	ND			100	
HM1-2	230330257-002-A	Black Roof Field	N	50	ND		12	88	CELL, FBG
	230330257-002-B	Yellow Insulation	N	50	ND			100	
HM2-3	230330257-003-A	Black Roof Flashing Caulk	N	100	ND		2	98	CELL
HM2-4	230330257-004-A	Black Roof Flashing Caulk	N	100	ND			100	CELL
HM3-5	230330257-005-A	Gray Caulk	N	100	ND			100	
HM3-6	230330257-006-A	Gray Caulk	N	100	ND			100	
HM4-7	230330257-007-A	Black Asphalt Shingle w/ Felt Paper	N	100	ND		30	70	FBG
HM4-8	230330257-008-A	Black Asphalt Shingle w/ Felt Paper	N	100	ND		30	70	FBG

Erin Fyfe
Analyst

Thomas Pickett
Manager-Asbestos

A Amosite
AC Actinolite
AN Anthophyllite
CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

CELL Cellulose
MW Mineral Wool
FBG Fiberglass
SYN Synthetic
WO Wollastonite
FT Fibrous Talc
AH Animal Hair
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NTR Non-Asbestiform TR

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Sample Identification					Asbestos		Non-Asbestos		
Client	Lab Sample Number	Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM5-7A	230330257-009-A	Black Asphalt Shingle w/ Felt Paper	N	100	ND		25	75	FBG
HM5-8A	230330257-010-A	Black Asphalt Shingle w/ Felt Paper	N	100	ND		25	75	FBG
HM6-9	230330257-011-A	Black Roof Field	N	100	ND		5	95	FBG
HM6-10	230330257-012-A	Black Roof Field	N	100	ND		10	90	FBG
HM7-11	**230330257-013-A**	**9x9 Tan Vinyl Floor Tile**	**N**	**90**	**CHRY**	**10**		**90**	
	230330257-013-B	**Black Mastic**	**N**	**10**	**CHRY**	**2**	**2**	**96**	**CELL**
HM7-12	**230330257-014-A**	**9x9 Tan Vinyl Floor Tile**	**N**	**90**	**CHRY**	**10**		**90**	
	230330257-014-B	**Black Mastic**	**N**	**10**	**CHRY**	**2**		**98**	
HM8-13	230330257-015-A	Black Cove Base	N	80	ND			100	
	230330257-015-B	Tan Mastic	N	20	ND		5	95	CELL

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Sample Identification					Asbestos		Non-Asbestos		
Client	Lab Sample Number	Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM8-14	230330257-016-A	Black Cove Base	N	80	ND			100	
	230330257-016-B	Tan Mastic	N	20	ND		2	98	CELL
HM9-15	230330257-017-A	Beige Ceiling Tile	N	100	ND		80	20	CELL, MW
HM9-16	230330257-018-A	Beige Ceiling Tile	N	100	ND		80	20	CELL, MW
HM9-17	230330257-019-A	Beige Ceiling Tile	N	100	ND		80	20	CELL, MW
HM10-18	230330257-020-A	White Caulk	N	100	ND			100	
HM10-19	230330257-021-A	White Caulk	N	100	ND			100	
HM11-20	230330257-022-A	Gray Drywall	N	85	ND		5	95	CELL
	230330257-022-B	**Tan Joint Compound**	**N**	**10**	**CHRY**	**2**	**2**	**96**	**CELL**
	230330257-022-C	White Paint	N	5	ND			100	

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Sample Identification					Asbestos		Non-Asbestos		
Client	Lab Sample Number	Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
	230330257-023-A	Gray Drywall	N	85	ND		5	95	CELL
HM11-21	**230330257-023-B**	**Tan Joint Compound**	**N**	**10**	**CHRY**	**2**	**2**	**96**	**CELL**
	230330257-023-C	White Paint	N	5	ND			100	
	230330257-024-A	Gray Drywall	N	20	ND		5	95	CELL
HM11-22	**230330257-024-B**	**Tan Joint Compound**	**N**	**70**	**CHRY**	**2**		**98**	
	230330257-024-C	White Paint	N	10	ND			100	
HM12-23	230330257-025-A	Black Cove Base	N	95	ND			100	
	230330257-025-B	Tan Mastic	N	5	ND		2	98	CELL
HM12-24	230330257-026-A	Black Cove Base	N	95	ND			100	
	230330257-026-B	Tan Mastic	N	5	ND		2	98	CELL

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CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

CELL Cellulose
MW Mineral Wool
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SYN Synthetic
WO Wollastonite
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Sample Identification		Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos		
Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM13-25	230330257-027-A	Beige Ceiling Tile	N	100	ND		75	25	CELL, MW
HM13-26	230330257-028-A	Beige Ceiling Tile	N	100	ND		75	25	CELL, MW
HM13-27	230330257-029-A	Beige Ceiling Tile	N	100	ND		75	25	CELL, MW
HM14-28	230330257-030-A	Beige Sheet Flooring	N	100	ND		15	85	FBG
HM14-29	230330257-031-A	Beige Sheet Flooring	N	100	ND		15	85	FBG
HM15-30	230330257-032-A	Tan Carpet Glue	N	100	ND		2	98	SYN
HM15-31	230330257-033-A	Tan Carpet Glue	N	100	ND			100	
HM16-32	230330257-034-A	Gray Drywall	N	80	ND		5	95	CELL
	230330257-034-B	**Tan Joint Compound**	**N**	**15**	**CHRY**	**2**	**2**	**96**	**CELL**
	230330257-034-C	White Paint	N	5	ND			100	

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Sample Identification					Asbestos		Non-Asbestos		
Client	Lab Sample Number	Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM16-33	230330257-035-A	Gray Drywall	N	78	ND		5	95	CELL
	230330257-035-B	**White Joint Compound**	**N**	**10**	**CHRY**	**2**	**2**	**96**	**CELL**
	230330257-035-C	White Paint	N	2	ND			100	
	230330257-035-D	Tan Tape	N	10	ND		98	2	CELL
HM16-34	230330257-036-A	Gray Drywall	N	40	ND		5	95	CELL
	230330257-036-B	**White Joint Compound**	**N**	**30**	**CHRY**	**2**		**98**	
	230330257-036-C	White Paint	N	10	ND			100	
	230330257-036-D	Tan Tape	N	20	ND		98	2	CELL
HM17-35	230330257-037-A	Tan Stair Tread	N	98	ND			100	
	230330257-037-B	Yellow Mastic	N	2	ND			100	

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Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM17-36	230330257-038-A	Tan Stair Tread	N	98	ND			100	
	230330257-038-B	Yellow Mastic	N	2	ND			100	
HM18-37	**230330257-039-A**	**9x9 Beige Vinyl Floor Tile**	**N**	**90**	**CHRY**	**15**		**85**	
	230330257-039-B	Black Mastic	N	10	ND		2	98	CELL
HM18-38	**230330257-040-A**	**9x9 Beige Vinyl Floor Tile**	**N**	**85**	**CHRY**	**15**		**85**	
	230330257-040-B	Black Mastic	N	15	ND			100	CELL
HM19-39	230330257-041-A	Brown Ceiling Tile	N	95	ND		95	5	CELL
	230330257-041-B	White Paint	N	5	ND			100	
HM19-40	230330257-042-A	Brown Ceiling Tile	N	95	ND		98	2	CELL
	230330257-042-B	White Paint	N	5	ND			100	

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13130 Peach Leaf Place
Fairfax, VA 22030
Attn: Nand Kanshik

Certificate of Analysis

Project Name: ACM Survey for Old Church Building, Vienna, VA

Proiect ID: 23033257

Date Collected: N/A
Date Received: 08/15/23
Date Analyzed: 08/17/23
Date Reported: 08/18/23
Job ID: Old Church

Test Requested: **Asbestos Bulk Analysis, Polarized Light Microscopy (PLM):** EPA 600/R-93/116: Method for Asbestos in Bulk Building Materials, EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

Sample Identification		Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos		
Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM19-41	230330257-043-A	Brown Ceiling Tile	N	95	ND		98	2	CELL
	230330257-043-B	White Paint	N	5	ND			100	
HM20-42	230330257-044-A	12x12 White Vinyl Floor Tile	N	98	ND			100	
	230330257-044-B	Cream Mastic	N	2	ND			100	CELL
HM20-43	230330257-045-A	12x12 White Vinyl Floor Tile	N	98	ND			100	
	230330257-045-B	Cream Mastic	N	2	ND			100	
HM21-44	230330257-046-A	12x12 White Vinyl Floor Tile	N	90	ND			100	
	230330257-046-B	Black Mastic	N	10	ND		5	95	CELL
HM21-45	230330257-047-A	12x12 White Vinyl Floor Tile	N	90	ND			100	
	230330257-047-B	Black Mastic	N	10	ND		5	95	CELL

Erin Fyfe
Analyst

Thomas Pickett
Manager-Asbestos

A Amosite
AC Actinolite
AN Anthophyllite
CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

CELL Cellulose
MW Mineral Wool
FBG Fiberglass
SYN Synthetic
WO Wollastonite
FT Fibrous Talc
AH Animal Hair
NAC Non-Asbestiform AC
NTR Non-Asbestiform TR

NVLAP TESTING
NVLAP LAB CODE 200090-0

Aerobiology Laboratory Associates, Incorporated
A Pace Analytical® Laboratory

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www.aerobiology.net

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Fairfax, VA 22030
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Proiect ID: 23033257

Date Collected: N/A
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Date Analyzed: 08/17/23
Date Reported: 08/18/23
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Test Requested: **Asbestos Bulk Analysis, Polarized Light Microscopy (PLM):** EPA 600/R-93/116: Method for Asbestos in Bulk Building Materials, EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

Sample Identification		Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos		
Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM22-46	230330257-048-A	White Pipe Insulation Mastic	N	100	ND		12	88	CELL, MW
HM22-47	230330257-049-A	White Pipe Insulation Mastic	N	100	ND		12	88	CELL, MW
HM23-48	230330257-050-A	Gray Boiler Flue Pipe Wall Packing	N	100	ND		7	93	CELL, MW
HM23-49	230330257-051-A	Gray Boiler Flue Pipe Wall Packing	N	100	ND		12	88	CELL, MW
HM24-50	230330257-052-A	Gray Sink Bowl Mastic	N	100	ND		2	98	CELL
HM24-51	230330257-053-A	Gray Sink Bowl Mastic	N	100	ND		2	98	CELL
HM25-52	**230330257-054-A**	**Black Sink Bowl Mastic**	**N**	**100**	**CHRY**	**5**		**95**	
HM25-53	**230330257-055-A**	**Black Sink Bowl Mastic**	**N**	**100**	**CHRY**	**5**		**95**	
HM26-54	230330257-056-A	Multi-Colored Ceiling Tile	N	85	ND		**25**	75	**CELL, FBG**
	230330257-056-B	White Skim Coat	N	10	ND			100	

Erin Fyfe
Analyst

Thomas Pickett
Manager-Asbestos

A Amosite
AC Actinolite
AN Anthophyllite
CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

CELL Cellulose
MW Mineral Wool
FBG Fiberglass
SYN Synthetic
WO Wollastonite
FT Fibrous Talc
AH Animal Hair
NAC Non-Asbestiform AC
NTR Non-Asbestiform TR

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Certificate of Analysis

Project Name: ACM Survey for Old Church Building, Vienna, VA

Proiect ID: 23033257

Date Collected: N/A
Date Received: 08/15/23
Date Analyzed: 08/17/23
Date Reported: 08/18/23
Job ID: Old Church

Test Requested: **Asbestos Bulk Analysis, Polarized Light Microscopy (PLM):** EPA 600/R-93/116: Method for Asbestos in Bulk Building Materials, EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

Sample Identification		Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos		
Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM26-54	230330257-056-C	White Paint	N	5	ND			100	
HM26-55	230330257-057-A	Multi-Colored Ceiling Tile	N	85	ND		30	70	CELL, FBG
	230330257-057-B	White Skim Coat	N	10	ND			100	
	230330257-057-C	White Paint	N	5	ND			100	
HM26-56	230330257-058-A	Multi-Colored Ceiling Tile	N	80	ND		40	60	CELL, FBG
	230330257-058-B	White Skim Coat	N	10	ND		4	96	CELL, FBG
	230330257-058-C	White Paint	N	10	ND			100	
HM27-57	230330257-059-A	Yellow Carpet Glue/Black Mastic	N	100	ND		2	98	CELL
HM27-58	230330257-060-A	Yellow Carpet Glue/Black Mastic	N	100	ND		2	98	CELL
HM28-59	230330257-061-A	12x12 Brown Vinyl Floor Tile	N	85	ND			100	

Erin Fyfe
Analyst

Thomas Pickett
Manager-Asbestos

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AC Actinolite
AN Anthophyllite
CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

CELL Cellulose
MW Mineral Wool
FBG Fiberglass
SYN Synthetic
WO Wollastonite
FT Fibrous Talc
AH Animal Hair
NAC Non-Asbestiform AC
NTR Non-Asbestiform TR

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Project Name: ACM Survey for Old Church Building, Vienna, VA

Proiect ID: 23033257

Date Collected: N/A
Date Received: 08/15/23
Date Analyzed: 08/17/23
Date Reported: 08/18/23
Job ID: Old Church

Test Requested: **Asbestos Bulk Analysis, Polarized Light Microscopy (PLM):** EPA 600/R-93/116: Method for Asbestos in Bulk Building Materials, EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

Sample Identification		Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos		
Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM28-59	230330257-061-B	Black Mastic	N	10	ND		2	98	CELL
	230330257-061-C	Gray Floor Leveler	N	5	ND			100	
HM28-60	230330257-062-A	12x12 Brown Vinyl Floor Tile	N	85	ND			100	
	230330257-062-B	Multi-Colored Mastic	N	10	ND		2	98	CELL
	230330257-062-C	Gray Floor Leveler	N	5	ND			100	
HM29-61	230330257-063-A	Tan Insulation	N	100	ND		80	20	CELL
HM29-62	230330257-064-A	Tan Insulation	N	100	ND		80	20	CELL
HM29-63	230330257-065-A	Tan Insulation	N	100	ND		80	20	CELL
HM30-64	**230330257-066-A**	**9x9 Multi-Colored Vinyl Floor Tile**	**N**	**90**	**CHRY**	**2**		**98**	
	230330257-066-B	**Black Mastic**	**N**	**10**	**CHRY**	**5**	**2**	**93**	**CELL**

Erin Fyfe
Analyst

Thomas Pickett
Manager-Asbestos

A Amosite
AC Actinolite
AN Anthophyllite
CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

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C Carbonates
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NAC Non-Asbestiform AC
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Attn: Nand Kanshik

Certificate of Analysis

Project Name: ACM Survey for Old Church Building, Vienna, VA

Proiect ID: 23033257

Date Collected: N/A
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Date Analyzed: 08/17/23
Date Reported: 08/18/23
Job ID: Old Church

Test Requested: **Asbestos Bulk Analysis, Polarized Light Microscopy (PLM):** EPA 600/R-93/116: Method for Asbestos in Bulk Building Materials, EPA-40 CFR Appendix E to Subpart E of Part 763, Interim Method for Asbestos in Bulk Insulation Samples

Sample Identification		Physical Description of Sample/Layer	Homo-geneous (Y/N)	Layer Percentage	Asbestos		Non-Asbestos		
Client	Lab Sample Number				Asbestos Detected	Asbestos Percentage	Non-Asbestos Fiber Percentage	Non-Fibrous Material Percentage	Matrix Material Composition
HM30-65	**230330257-067-A**	**9x9 Multi-Colored Vinyl Floor Tile**	**N**	**95**	**CHRY**	**2**		**98**	
	230330257-067-B	**Black Mastic**	**N**	**5**	**CHRY**	**5**	**2**	**93**	**CELL**
HM31-66	230330257-068-A	Brown Caulk	N	100	ND			100	
HM31-67	230330257-069-A	Brown Caulk	**N**	100	ND			100	
HM32-68	**230330257-070-A**	**White Caulk**	**N**	**100**	**CHRY**	**2**		**98**	
HM32-69	**230330257-071-A**	**White Caulk**	**N**	**100**	**CHRY**	**2**		**98**	
HM33-70	230330257-072-A	White Caulk	**N**	100	ND			100	
HM33-71	230330257-073-A	White Caulk	**N**	100	ND			100	

Erin Fyfe
Analyst

Thomas Pickett
Manager-Asbestos

A Amosite
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CHRY Chrysotile
CR Crocidolite
TR Tremolite
Trace Less Than 1%
ND None Detected

Q Quartz
C Carbonates
G Gypsum
M Mica
T Tar
P Perlite
B Binder
D Diatoms

CELL Cellulose
MW Mineral Wool
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FT Fibrous Talc
AH Animal Hair
NAC Non-Asbestiform AC
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Date Collected: N/A
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Date Analyzed: 08/17/23
Date Reported: 08/18/23
Job ID: Old Church

General Notes

* **ND** indicates no asbestos was detected; the method detection limit is 1%.

* **Trace** or "<1" indicates asbestos was identified in the sample, but the concentration is less than 1%.

* All regulated asbestos minerals (i.e. chrysotile, amosite, crocidolite, anthophyllite, tremolite, and actinolite) were sought in every layer of each sample, but only those asbestos minerals detected are listed. Amosite is the common name for the asbestiform variety of the minerals cummingtonite and grunerite. Crocidolite is the common name used for the asbestiform variety of the mineral riebeckite.

* Tile, vinyl, foam, plastic, and fine powder samples may contain asbestos fibers of such small diameter (< 0.25 microns in diameter) that these fibers cannot be detected by PLM. For such samples, more sensitive analytical methods (e.g. TEM, SEM, and XRD) are recommended if greater certainty about asbestos content is required. Semi-quantitative bulk TEM floor tile analysis is accepted under NESHAP regulations.

* These results are submitted pursuant to Aerobiology Laboratory Associates, Inc.'s current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted.

* Unless notified in writing to return the samples covered by this report, Aerobiology Laboratory Associates, Inc. will store the samples for a minimum period of thirty (30) days before discarding. A shipping and handling charge will be assessed for the return of any samples.

* Aerobiology does not guarantee the results of tape lifts, microvacs, wipe, and/or debris samples. Accurate analysis cannot be performed due to particle size, media used, and/or amount of material given. Analysis of these materials should be performed by a TEM. A result of ND does not indicate that the sample area does not contain asbestos. It means the analyst could not identify asbestos in the specific sample for the reasons listed above.

Notes Required by NVLAP

* Aerobiology Laboratory shall be responsible for all the information provided in the report, except when information is provided by the customer. Aerobiology Laboratory is not responsible for the sampling activity.

* 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.

* This test report relates only to the items tested or calibrated.

* This report is not valid unless it bears the name of a NVLAP-approved signatory.

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NJ - 102747 GA - 163063
FL - 228303 IL - 232279

Biology Client	JSK Environmental Services, LLC				
Field Contact	Nand Kaushik	Collected By/Date:		Relinquished By/Date:	
Reporting Address	13130 Peach Leaf Pl, Fairfax, VA 22030	Relinquished By/Date:		Received By/Date: 08 8/14/23 8am	
Billing Address	Same as above	Sampler Type	Andersen ____ SAS ____	SampleAire ____ AeroTrap ____	Other ____ BioCulture ____
Phone/Fax	703-980-0573	PO# /Job#:			
Reporting Email(s)	nand@jskenvironmental.com	Project Name: ACM Survey for Old Church Building, Vienna VA.			
Routine ☐ / 24 Hour ☐ / Same Day ☐ / 4 Hour ☐ / 2 Hour ☐		Notes: Need results by COB 8-18-2023			
SAMPLING LOCATION ZIP CODE	22180	CC Info:			

Rec'd: Priscilla Leavitt-Cole 8/15/23 10:30

	Sample No.	Test Code	Sample Location	Total Volume/Area
1	AM1-1	3002	Built up Roof Field on Building Roof (Flat Roof)	
2	AM1-2	"	"	
3	AM2-3	"	Black Flat Roof Flashing Caulk, Flat Roof	
4	AM2-4	"	"	
5	AM3-5	"	Black/Gray parapet Wall Lap Caulk on Shingle Roof Sanctuary	
6	AM3-6	"	"	
7	AM4-7	"	Black Asphalt Shingle w/ Black felt Paper Shingle Roof Sanctuary	
8	AM4-8	"	"	
9	AM5-7A	"	Black Asphalt Shingle w/ Black Felt Paper Shingle Roof Original Building	
10	AM5-8A	"	"	
11	AM6-9	"	Built up Roof Field on Beam Flat Roof	
12	AM6-10	"	"	
13	AM7-11	"	9"x9" Tan vinyl Floor Tile w/ Black mastic Sanctuary Room	
14	AM7-12	"	"	

1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative - **Swab/Tape**	1017	Culture - SWAB Legionella
1050	Direct, Qualitative - **Bulk**	1010	WATER - Potable - E. coli/total coliforms
1005	AIR Culture - Bacterial Count w/ ID's	1012	SWAB - E. coli/total coliforms
1030	AIR Culture - Fungal Count w/ ID's	1028	SWAB - Sewage Screen (E. coli/Entero/fecal coliforms)
1006	SWAB Culture - Bacterial Count w/ ID's	2056	WATER - Heterotrophic Plate Count
1031	SWAB Culture - Fungal Count w/ ID's	3001	ASBESTOS - Point count
1008	BULK Culture - Bacterial Count w/ ID's	3002	ASBESTOS - PLM Analysis
1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ ID's	3004	ASBESTOS - PCM Analysis

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NJ - 102747 GA - 163063
FL - 228303 IL - 232279

Aerobiology Client

Field Contact		Collected By/Date:	Relinquished By/Date:
Reporting Address		Relinquished By/Date:	Received By/Date: OS 8/14/23 8am
Billing Address		Sampler Type: Andersen ____ SAS ____	SampleAire ____ AeroTrap ____ Other ____ BioCulture ____
Phone/Fax		PO# /Job#:	
Reporting Email(s)		Project Name: ACM Survey for OM Church Bldg, Vienna, VA	

Routine ☐ 24 Hour ☐ Same Day ☐ 4 Hour ☐ 2 Hour ☐

Notes:

SAMPLING LOCATION ZIP CODE 22180

CC Info:

		Sample No.	Test Code	Sample Location	Total Volume/Area
15	1	HM8-13	3002	Tan 4" Vinyl Cove Base Sanctuary Room 2	
16	2	HM8-14		〃	
17	3	HM9-15		White 2'x4' Lay-in-Ceiling Tile with Fissures Sanctuary Room 1 & Room 2	
18	4	HM9-16		〃	
19	5	HM9-17		〃	
20	6	HM10-18		White Interior Window Caulk, Sanctuary Room 2	
21	7	HM10-19		〃	
22	8	HM11-20		White Drywall with White joint compound Sanctuary Room 1, Room 2	
23	9	HM11-21		〃	
24	10	HM11-22		〃	
25	11	HM12-23		Black 4" Vinyl Cove Base with Tan Mastic Sanctuary Room 3	
26	12	HM12-24		〃	
27	13	HM13-25		White 2'x4' Lay-in-Ceiling Tile with Pin Dots Sanctuary Room 3	
28	14	HM13-26		〃	

1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative - **Swab/Tape**	1017	Culture - SWAB Legionella
1050	Direct, Qualitative - **Bulk**	1010	WATER - Potable - E. coli/total coliforms
1005	AIR Culture - Bacterial Count w/ ID's	1012	SWAB - E. coli/total coliforms
1030	AIR Culture - Fungal Count w/ ID's	1028	SWAB - Sewage Screen (E. coli/Entero/fecal coliforms)
1006	SWAB Culture - Bacterial Count w/ ID's	2056	WATER - Heterotrophic Plate Count
1031	SWAB Culture - Fungal Count w/ ID's	3001	ASBESTOS - Point count
1008	BULK Culture - Bacterial Count w/ ID's	3002	ASBESTOS - PLM Analysis
1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ ID's	3004	ASBESTOS - PCM Analysis

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FL - 228303 IL - 232279

Aerobiology Client

Field Contact		Collected By/Date:	Relinquished By/Date:
Reporting Address		Relinquished By/Date:	Received By/Date: 05 8/14/23 8am
Billing Address		Sampler Type: Andersen ____ SAS ____	SampleAire ____ AeroTrap ____ Other ____ BioCulture ____
Phone/Fax		PO# /Job#:	
Reporting Email(s)		Project Name: ACM Survey, Old Church Bldg, Vienna, VA	
Routine ☐	24 Hour ☐ Same Day ☐ 4 Hour ☐ 2 Hour ☐	Notes:	
SAMPLING LOCATION ZIP CODE	22180	CC Info:	

		Sample No.	Test Code	Sample Location	Total Volume/Area
29	1	HM13-27	3002	White 2'x4' Lay-in-Ceiling Tile with Pin Dots Sanctuary Room 3	
30	2	HM14-28		Brown Square pattern Resilient Sheet Flooring Sanctuary Restroom	
31	3	HM14-29		〃 〃 〃	
32	4	HM15-30		Tan Carpet Glue in Rear Foyer	
33	5	HM15-31		〃 〃 〃	
34	6	HM16-32		White Drywall with White Joint compound Rear Foyer, Girls + Boys restrooms	
35	7	HM16-33		〃 〃 〃	
36	8	HM16-34		〃 〃 〃	
37	9	HM17-35		Tan Vinyl stair tread with Tan mastic Stairwell 1	
38	10	HM17-36		〃 〃 〃	
39	11	HM18-37		Cream 9"x9" Vinyl Floor Tile with Black Mastic in 1st Floor storage	
40	12	HM18-38		〃 〃 〃	
41	13	HM19-39		White 1'x1' Ceiling Tile in 1st Floor Hall	
42	14	HM19-40	V	〃 〃 〃	

1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative - **Swab/Tape**	1017	Culture - SWAB Legionella
1050	Direct, Qualitative - **Bulk**	1010	WATER - Potable - E. coli/total coliforms
1005	AIR Culture - Bacterial Count w/ ID's	1012	SWAB - E. coli/total coliforms
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1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ ID's	3004	ASBESTOS - PCM Analysis

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FL - 228303 IL - 232279

Aerobiology Client

Field Contact		Collected By/Date:	Relinquished By/Date:
Reporting Address		Relinquished By/Date:	Received By/Date: OS 8/14/23 8am
Billing Address		Sampler Type	Andersen ____ SAS ____ SampleAire ____ AeroTrap ____ Other ____ BioCulture ____
Phone/Fax		PO# /Job#:	
Reporting Email(s)		Project Name: ACM Survey, Old Church Bldg, Vienna, VA	
Routine ☐ 24 Hour ☐ Same Day ☐ 4 Hour ☐ 2 Hour ☐		Notes:	
SAMPLING LOCATION ZIP CODE		CC Info:	

		Sample No.	Test Code	Sample Location	Total Volume/Area
43	1	HM19-41	3002	White 1'x1' ceiling tile in 1st floor Hall	
44	2	HM20-42		Cream mottled 12"x12" vinyl floor tile with Cream mastic in Girls restroom	
45	3	HM20-43		〃 〃 〃	
46	4	HM21-44		Cream mottled 12"x12" vinyl floor tile with black mastic, boys restroom	
47	5	HM21-45		〃 〃 〃	
48	6	HM22-46		White pipe insulation mastic in mechanical room	
49	7	HM22-47		〃 〃 〃	
50	8	HM23-48		Grey boiler flue pipe wall packing in mechanical room	
51	9	HM23-49		〃 〃 〃	
52	10	HM24-50		Gray Sink Bowl Mastic Coating in Kitchen	
53	11	HM24-51		〃 〃 〃	
54	12	HM25-52		Black Sink Bowl Mastic Coating in Kitchen	
55	13	HM25-53		〃 〃 〃	
56	14	HM26-54	↓	White Gypsum 2'x4' ceiling tile in Kitchen	

1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative - **Swab/Tape**	1017	Culture - SWAB Legionella
1050	Direct, Qualitative - **Bulk**	1010	WATER - Potable - E. coli/total coliforms
1005	AIR Culture - Bacterial Count w/ ID's	1012	SWAB - E. coli/total coliforms
1030	AIR Culture - Fungal Count w/ ID's	1028	SWAB - Sewage Screen (E. coli/Entero/fecal coliforms)
1006	SWAB Culture - Bacterial Count w/ ID's	2056	WATER - Heterotrophic Plate Count
1031	SWAB Culture - Fungal Count w/ ID's	3001	ASBESTOS - Point count
1008	BULK Culture - Bacterial Count w/ ID's	3002	ASBESTOS - PLM Analysis
1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ ID's	3004	ASBESTOS - PCM Analysis

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FL - 228303 IL - 232279

Aerobiology Client						
Field Contact				Collected By/Date:		Relinquished By/Date:
Reporting Address				Relinquished By/Date:		Received By/Date: OS 8/14/23 8am
Billing Address				Sampler Type	Andersen ____ SAS ____	SampleAire ____ AeroTrap ____ Other ____ BioCulture ____
Phone/Fax				PO# /Job#:		
Reporting Email(s)				Project Name: ACM Survey, Old Church Bldg, Vienna, VA		
Routine ☐	24 Hour ☐	Same Day ☐	4 Hour ☐	2 Hour ☐	Notes:	
SAMPLING LOCATION ZIP CODE	22180				CC Info:	

	Sample No.	Test Code	Sample Location	Total Volume/Area
1	HM26-55	3002	White gypsum 2'x4' Ceiling Tile in Kitchen	
2	HM26-56		〃	
3	HM27-57		Yellow carpet glue/Black mastic in 1st floor Classroom 2.	
4	HM27-58		〃	
5	HM28-59		Brown mottled 12"x12" vinyl floor tile with Tan/Black mastic in 2nd floor Classroom 1.	
6	HM28-60		〃	
7	HM29-61		Tan Blown-in Attic Insulation in 2nd floor Attic	
8	HM29-62		〃	
9	HM29-63		〃	
10	HM30-64		Tan with brown streaks 9"x9" vinyl floor tile with black mastic, 2nd floor Hall/Classroom 2	
11	HM30-65		〃	
12	HM31-66		Brown exterior door caulk/window caulk front entrance	
13	HM31-67		〃	
14	HM32-68	↓	White exterior door caulk, Left side and right front.	

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1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative - **Swab/Tape**	1017	Culture - SWAB Legionella
1050	Direct, Qualitative - **Bulk**	1010	WATER - Potable - E. coli/total coliforms
1005	AIR Culture - Bacterial Count w/ ID's	1012	SWAB - E. coli/total coliforms
1030	AIR Culture - Fungal Count w/ ID's	1028	SWAB - Sewage Screen (E. coli/Entero/fecal coliforms)
1006	SWAB Culture - Bacterial Count w/ ID's	2056	WATER - Heterotrophic Plate Count
1031	SWAB Culture - Fungal Count w/ ID's	3001	ASBESTOS - Point count
1008	BULK Culture - Bacterial Count w/ ID's	3002	ASBESTOS - PLM Analysis
1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ ID's	3004	ASBESTOS - PCM Analysis

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Aerobiology Client						
Field Contact					Collected By/Date:	Relinquished By/Date:
Reporting Address					Relinquished By/Date:	Received By/Date: 05 8/14/23 8am
Billing Address					Sampler Type	Andersen ____ SAS ____ / SampleAire ____ AeroTrap ____ / Other ____ BioCulture ____
Phone/Fax					PO# /Job#:	
Reporting Email(s)					Project Name: ACA Surrey, Old Church Bldg, Vienna, VA.	
Routine ☐	24 Hour ☐	Same Day ☐	4 Hour ☐	2 Hour ☐	Notes:	
SAMPLING LOCATION ZIP CODE	22180				CC Info:	

	Sample No.	Test Code	Sample Location	Total Volume/Area
1	HM32-69	3002	White exterior door caulk, left side and right front	
2	HM33-70	↓	White exterior window caulk, left side and right rear	
3	HM33-71	↓	↓ ↓	
4				
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14				

1054	Direct, Non-viable Spore Trap	1015	Culture - WATER Legionella
1051	Direct, Qualitative - **Swab/Tape**	1017	Culture - SWAB Legionella
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1006	SWAB Culture - Bacterial Count w/ ID's	2056	WATER - Heterotrophic Plate Count
1031	SWAB Culture - Fungal Count w/ ID's	3001	ASBESTOS - Point count
1008	BULK Culture - Bacterial Count w/ ID's	3002	ASBESTOS - PLM Analysis
1033	BULK Culture - Fungal Count w/ ID's	3003	ASBESTOS - Particle characterization
1007	WATER Culture - Bacterial Count w/ ID's	3004	ASBESTOS - PCM Analysis

ACM SURVEY BULK SAMPLE LOG

Site Address: 301 Center St S, Vienna VA 22180		Date: August 9, 2023	Page of
Company: JSK Environmental Services, LLC	Tel: 703-980-0573	Collected by: Nand Kaushik and Michael Allshouse	
Project Site: Existing Church and Multipurpose Building			Project No.: JSK-2023-48

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of Material	Accessibility	Photo	Comments
HM1-1	Built-up Roof Field with yellow insulation	Building roof on the flat part	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM1-2	Built-up Roof Field with yellow insulation	Building roof on the flat part	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM2-3	Black Roof Flashing Caulk	Building roof on the flat part	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM2-4	Black Roof Flashing Caulk	Building roof on the flat part	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM3-5	Black/Gray Parapet Wall Cap Caulk	Shingle Roof over the Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM3-6	Black/Gray Parapet Wall Cap Caulk	Shingle Roof over the Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM4-7	Black Asphalt Shingle with Black Felt Paper	Shingle Roof over the Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM4-8	Black Asphalt Shingle with Black Felt Paper	Shingle Roof over the Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM5-7A	Black Asphalt Shingle with Black Felt Paper	Shingle Roof over Original Building Construction	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM5-8A	Black Asphalt Shingle with Black Felt Paper	Shingle Roof over Original Building Construction	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	

Site Address: 301 Center St S, Vienna VA 22180		Date: August 9, 2023	Page of
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Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of Material	Accessibility	Photo	Comments
HM6-9	Built-up Black Asphalt Roof Field	Portico flat roof at rear of the building	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM6-10	Built-up Black Asphalt Roof Field	Portico flat roof at rear of the building	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM7-11	9” by 9” Tan Vinyl Floor Tile with Associated Black Mastic	Under carpet in Room 1 Adjoining the Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	This material is also present in the Office and Storage Room near the rear foyer area and Corridor and Classrooms near the rear foyer on the 1st floor and under the stairwell leading to the 2nd floor, that are part of the original building construction.
HM7-12	9” by 9” Tan Vinyl Floor Tile with Associated Black Mastic	Under carpet in Room 2 Adjoining the Sanctuary.	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	
HM8-13	4” Brown Vinyl Cove Base with associated tan mastic	Room 1 adjoining Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	
HM8-14	4” Brown Vinyl Cove Base with associated tan mastic	Room 2 adjoining Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	
HM9-15	White 2’ by 4’ Lay-in Ceiling Tile with Fissures Design	Room 1 adjoining Sanctuary	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM9-16	White 2’ by 4’ Lay-in Ceiling Tile with Fissures Design	Room 1 adjoining Sanctuary	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM9-17	White 2’ by 4’ Lay-in Ceiling Tile with Fissures Design	Room 2 adjoining Sanctuary	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM10-18	White Interior Window caulk	Room 1 adjoining Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	

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Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of Material	Accessibility	Photo	Comments
HM10-19	White Interior Window caulk	Room 2 adjoining Sanctuary	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	
HM11-20	White Drywall with Associated White Joint Compound and White Paint	Throughout Sanctuary and Adjoining Rooms	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM11-21	White Drywall with Associated White Joint Compound and White Paint	Throughout Sanctuary and Adjoining Rooms	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM11-22	White Drywall with Associated White Joint Compound and White Paint	Throughout Sanctuary and Adjoining Rooms	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM12-23	4” Black Vinyl Cove Base with associated tan mastic	Room 3 adjoining Sanctuary on the upper level	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	
HM12-24	4” Black Vinyl Cove Base with associated tan mastic	Room 3 adjoining Sanctuary on the upper level	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☒ Medium ☐ High	☒ Yes ☐ No	
HM13-25	White 2’ by 4’ Lay-in Ceiling Tile with Pin Dots Design	Room 3 adjoining Sanctuary on the upper level	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM13-26	White 2’ by 4’ Lay-in Ceiling Tile with Pin Dots Design	Room 3 adjoining Sanctuary on the upper level	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM13-27	White 2’ by 4’ Lay-in Ceiling Tile with Pin Dots Design	Room 3 adjoining Sanctuary on the upper level	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM14-28	Brown square pattern Resilient Sheet Flooring	Restroom adjacent to the sanctuary and the rear Foyer of the building	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM14-29	Brown square pattern Resilient Sheet Flooring	Restroom adjacent to the sanctuary and the rear Foyer of the building	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	

Site Address: 301 Center St S, Vienna VA 22180		Date: August 9, 2023	Page of
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Project Site: Existing Church and Multipurpose Building			Project No.: JSK-2023-48

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of Material	Accessibility	Photo	Comments
HM15-30	Tan Carpet Glue	Rear Foyer of the building	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM15-31	Tan Carpet Glue	Rear Foyer of the building	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM16-32	White Drywall with Associated White Joint Compound, White Tape and White Paint	Rear Foyer area of the building	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	This material is also present in the classroom and other areas of the original building construction on the first and second floors.
HM16-33	White Drywall with Associated White Joint Compound, White Tape and White Paint	Girls' restroom near Rear Foyer area of the building (Original building construction)	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM16-34	White Drywall with Associated White Joint Compound, White Tape and White Paint	Boys' restroom near Rear Foyer area of the building (Original building construction)	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM17-35	Tan Vinyl Stair Tread with associated Tan Mastic	Stairwell leading to second floor near rear foyer area (original building construction)	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM17-36	Tan Vinyl Stair Tread with associated Tan Mastic	Stairwell leading to second floor near rear foyer area (original building construction)	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM18-37	Cream 9" by 9" Vinyl floor Tile with associated black mastic	1st floor storage room across from the rear foyer area	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM18-38	Cream 9" by 9" Vinyl floor Tile with associated black mastic	1st floor storage room across from the rear foyer area	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM19-39	White 1' by 1' Lay-in- Ceiling Tile	1st floor corridor near the rear foyer area (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	

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Project Site: Existing Church and Multipurpose Building			Project No.: JSK-2023-48

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of Material	Accessibility	Photo	Comments
HM19-40	White 1' by 1' Lay-in- Ceiling Tile	1st floor corridor near the rear foyer area (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM19-41	White 1' by 1' Lay-in- Ceiling Tile	1st floor corridor near the rear foyer area (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM20-42	Cream mottled 12" by 12" Vinyl Floor Tile with associated cream mastic	Girl's restroom off the corridor near the rear foyer area (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM20-43	Cream mottled 12" by 12" Vinyl Floor Tile with associated cream mastic	Girl's restroom off the corridor near the rear foyer area (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM21-44	Cream mottled 12" by 12" Vinyl Floor Tile with associated Black mastic	Boy's restroom off the corridor near the rear foyer area (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM21-45	Cream mottled 12" by 12" Vinyl Floor Tile with associated Black mastic	Boy's restroom off the corridor near the rear foyer area (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM22-46	White Pipe insulation Mastic	Mechanical Room	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM22-47	White Pipe insulation Mastic	Mechanical Room	☐ Yes ☒ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM23-48	Gray Boiler Flue Pipe Wall Packing	Mechanical Room	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM23-49	Gray Boiler Flue Pipe Wall Packing	Mechanical Room	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM24-50	Gray Sink Bowl Mastic Coating	Kitchen area adjacent to multi-Purpose Room	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	

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Project Site: Existing Church and Multipurpose Building			Project No.: JSK-2023-48

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of Material	Accessibility	Photo	Comments
HM24-51	Gray Sink Bowl Mastic Coating	Kitchen area adjacent to multi-Purpose Room	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM25-52	Black Sink Bowl Mastic Coating	Kitchen area adjacent to multi-Purpose Room	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM25-53	Black Sink Bowl Mastic Coating	Kitchen area adjacent to multi-Purpose Room	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM26-54	White Gypsum 2’ by 4’ Ceiling Tile	Kitchen area adjacent to multi-Purpose Room	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM26-55	White Gypsum 2’ by 4’ Ceiling Tile	Kitchen area adjacent to multi-Purpose Room	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM26-56	White Gypsum 2’ by 4’ Ceiling Tile	Kitchen area adjacent to multi-Purpose Room	☒ Yes ☐ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM27-57	Yellow Carpet Glue mixed in with Black Mastic	Classroom 2 adjacent to multi-purpose Room	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM27-58	Yellow Carpet Glue mixed in with Black Mastic	Classroom 2 adjacent to multi-purpose Room	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM28-59	Brown mottled 12” by 12” Vinyl Floor Tile with associated tan/black Mastic	2nd Floor Classroom 1 (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM28-60	Brown mottled 12” by 12” Vinyl Floor Tile with associated tan/black Mastic	2nd Floor Classroom 1 (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM29-61	Tan Blown-in Attic Insulation	Attic on 2nd floor (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	

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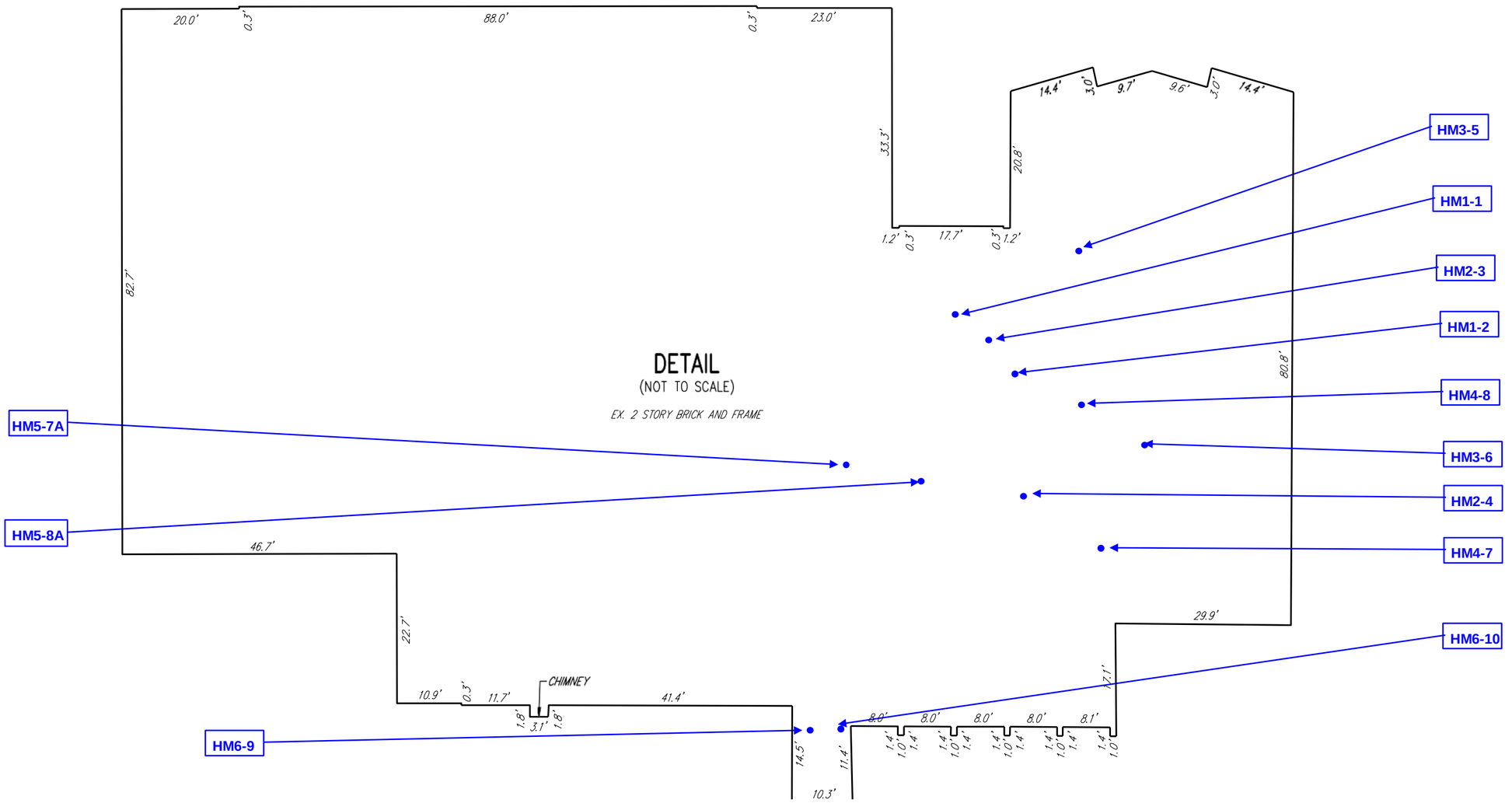
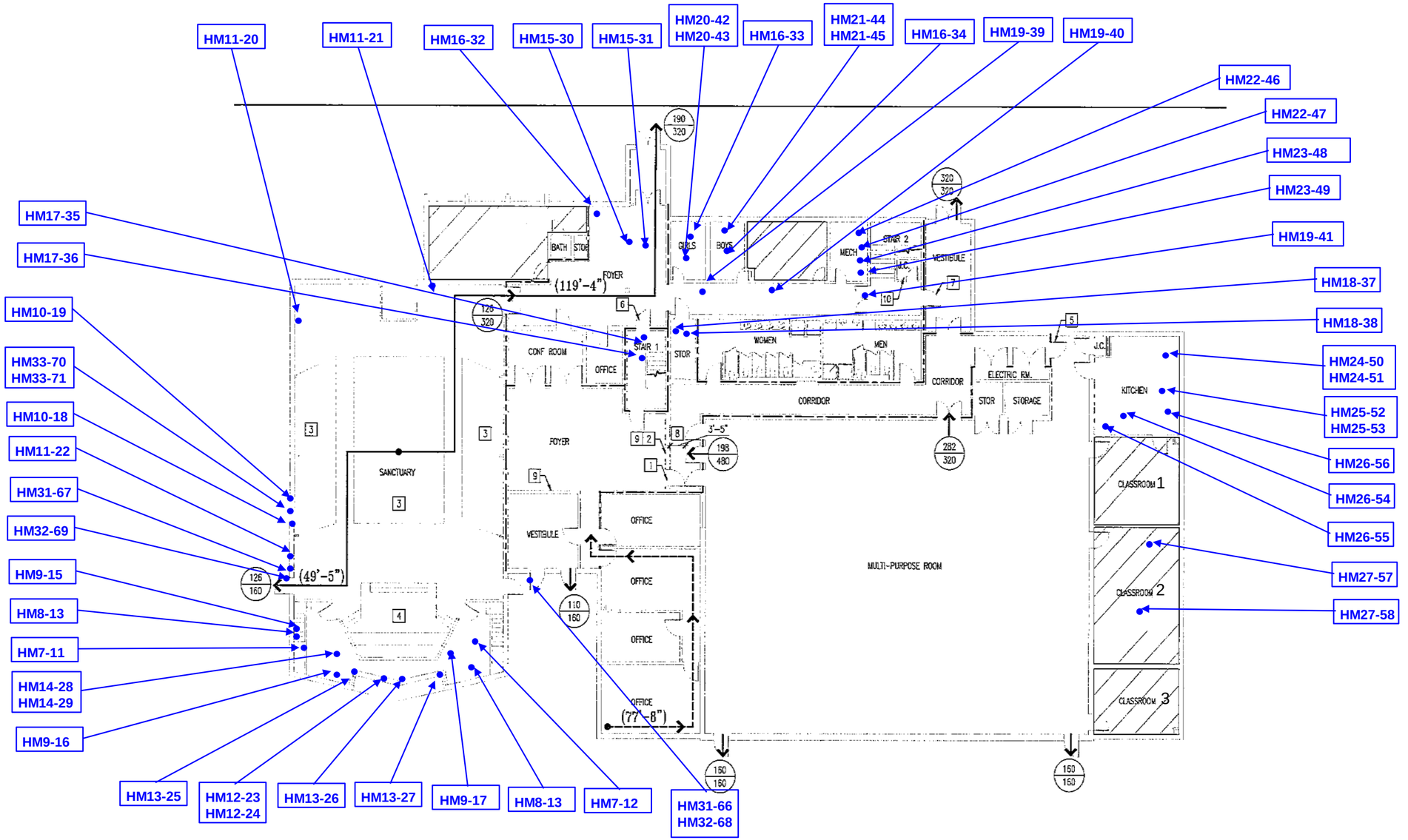
Project Site: Existing Church and Multipurpose Building			Project No.: JSK-2023-48

Sample Number	Type of Material Sampled	Sample Location	Friable	Condition of Material	Accessibility	Photo	Comments
HM29-62	Tan Blown-in Attic Insulation	Attic on 2nd floor (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM29-63	Tan Blown-in Attic Insulation	Attic on 2nd floor (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM30-64	Tan with brown streaks 9” by 9” Vinyl Floor Tile with associated black mastic	2nd Floor Corridor (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	This material is also located in Classroom 2 on the 2nd floor of the original building construction.
HM30-65	Tan with brown streaks 9” by 9” Vinyl Floor Tile with associated black mastic	2nd Floor Classroom 1 (original building construction).	☐ Yes ☒ No ☐ Potentially	☒ Good ☐ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM31-66	Brown exterior door caulk	Front entrance door	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM31-67	Brown exterior door caulk	Front entrance door	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM32-68	White exterior door caulk	Front entrance door and exterior door on left side of building	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM32-69	White exterior door caulk	Front entrance door and exterior door on left side of building	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☐ Low ☐ Medium ☒ High	☒ Yes ☐ No	
HM33-70	White exterior window caulk	Left and right-side exterior windows.	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	
HM33-71	White exterior window caulk	Left and right-side exterior windows.	☒ Yes ☐ No ☐ Potentially	☐ Good ☒ Fair ☐ Poor	☒ Low ☐ Medium ☐ High	☒ Yes ☐ No	

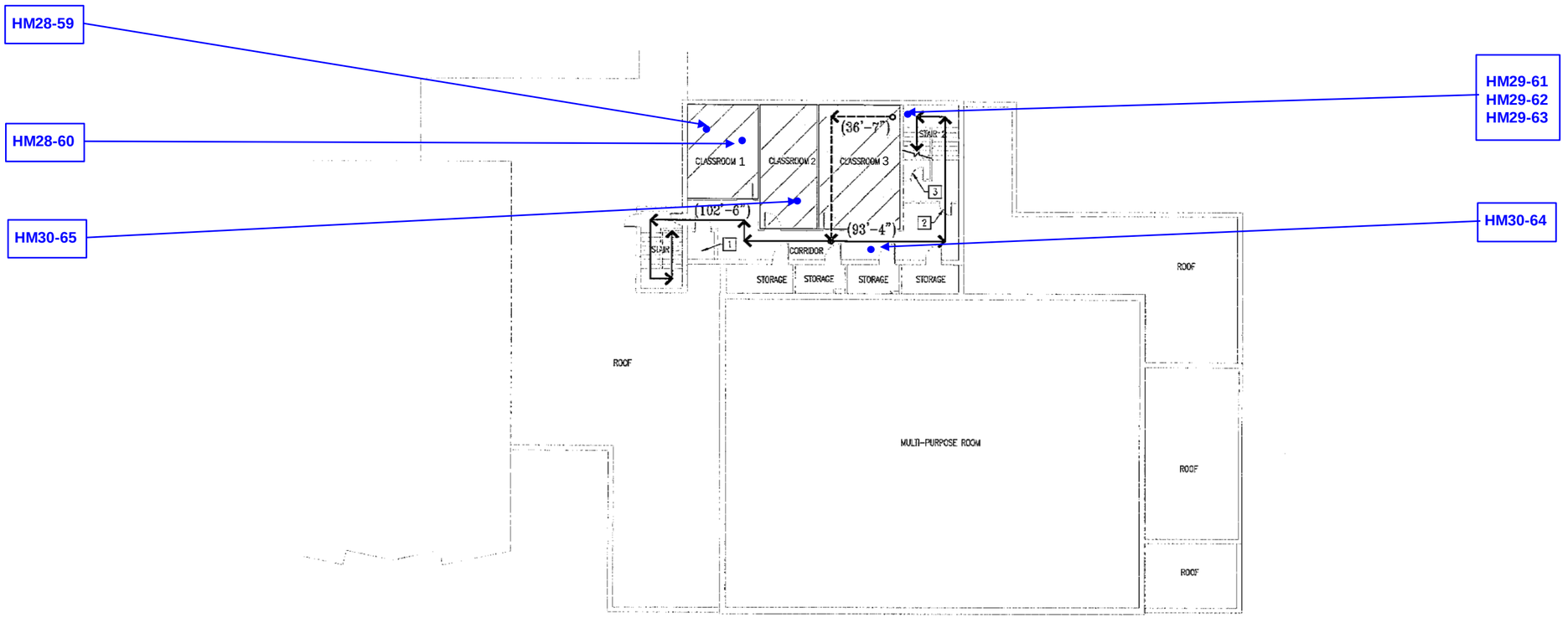
APPENDIX B – SITE LAYOUT AND SAMPLE LOCATION DRAWING



LEGEND	FIGURE 1	JSK Project No. : JSK-2023-48	N
# -# - Bulk Sample Location (non-ACM) # -# - Bulk Sample Location (ACM)	Sample Location Site Map – Roof Layout (Not to Scale)	Old Church Town of Vienna	



LEGEND	FIGURE 2	JSK Project No. : JSK-2023-48	N
# -# - Bulk Sample Location (non-ACM) # -# - Bulk Sample Location (ACM)	Sample Location Site Map (Not to Scale)	Old Church Town of Vienna	



LEGEND	FIGURE 3	JSK Project No. : JSK-2023-48	N
# -# - Bulk Sample Location (non-ACM) # -# - Bulk Sample Location (ACM)	Sample Location Site Map (Not to Scale)	Old Church Town of Vienna	

APPENDIX C – INSPECTOR CERTIFICATION

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
12-31-2023

NUMBER
3303003902

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE

MICHEAL DAMIEN ALLSHOUSE
2213 SEMINOLE AVENUE
CHESTER, VA 23831

DPOR

Demetrios J. Melis, Director

Status can be verified at http://www.dpor.virginia.gov

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

COMMONWEALTH of VIRGINIA

Department of Professional and Occupational Regulation
9960 Mayland Drive, Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

EXPIRES ON
03-31-2024

NUMBER
3303004514

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE

NANDKISHORE KAUSHIK
13130 PEACH LEAF PLACE
FAIRFAX, VA 22030

DPOR

Demetrios J. Melis, Director

Status can be verified at http://www.dpor.virginia.gov

(SEE REVERSE SIDE FOR PRIVILEGES AND INSTRUCTIONS)

DPOR-LIC (02/2017)

(DETACH HERE)

DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004514 EXPIRES: 03-31-2024

NANDKISHORE KAUSHIK
13130 PEACH LEAF PLACE
FAIRFAX, VA 22030

(FOLD)

Status can be verified at http://www.dpor.virginia.gov

DPOR-PC (02/2017)

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200829-0

Aerobiology Laboratory Associates, Inc.

Dulles, VA

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

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2023-04-01 through 2024-03-31

Effective Dates

For the National Voluntary Laboratory Accreditation Program

AIHA Laboratory Accreditation Programs, LLC

acknowledges that

Aerobiology Laboratory Associates, Inc., A Pace Analytical Laboratory

43760 Trade Center Place, Suite 100, Dulles, VA 20166

Laboratory ID: LAP-102977

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

LABORATORY ACCREDITATION PROGRAMS

☐	**INDUSTRIAL HYGIENE**	Accreditation Expires:
☐	**ENVIRONMENTAL LEAD**	Accreditation Expires:
☑	**ENVIRONMENTAL MICROBIOLOGY**	Accreditation Expires: May 01, 2023
☐	**FOOD**	Accreditation Expires:
☐	**UNIQUE SCOPES**	Accreditation Expires:

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

Cheryl O. Morton

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

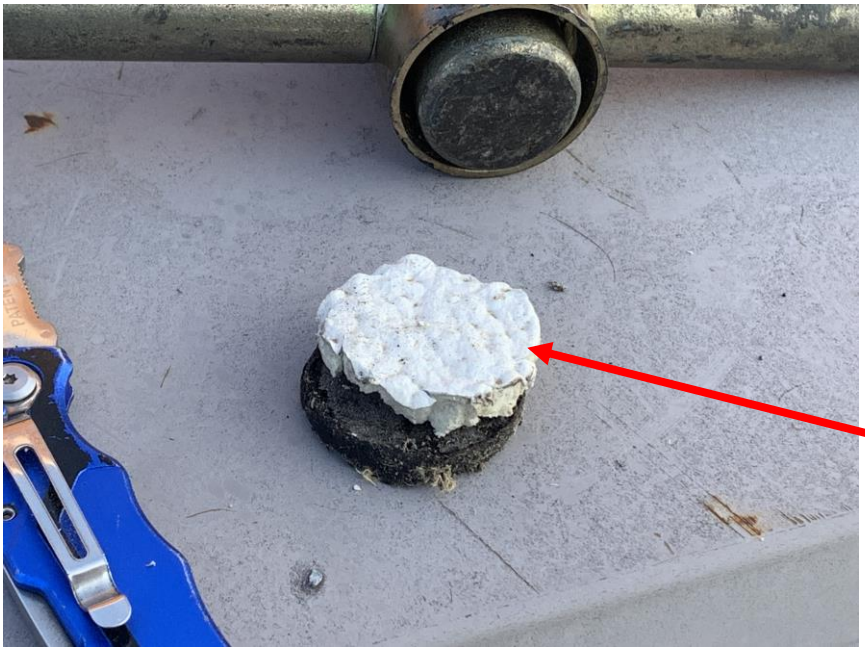
Revision20: 06/07/2022

Date Issued: 03/31/2023

JSK Environmental Services, LLC
Engineering...Consulting...Monitoring...

APPENDIX D – PHOTOGRAPHIC LOG OF ASBESTOS SAMPLES

PHOTOGRAPHIC LOG
(August 9, 2023)



Homogeneous Material No. 1 – Non-ACM Built-up Roof Field with yellow insulation located on the building roof (flat part).

Homogeneous Material No. 2 – Non-ACM Black Roof Flashing Caulk located on building roof (flat part).

Homogeneous Material No. 3 – Non-ACM Black/Gray Parapet Wall Cap Caulk located on Shingle Roof over the Sanctuary.

Homogeneous Material No. 4 – Non-ACM Black Asphalt Shingle with Black Felt Paper located on Shingle Roof over the Sanctuary.

Homogeneous Material No. 5 – Non-ACM Black Asphalt Shingle with Black Felt Paper located on Shingle Roof over Original Building Construction.

Homogeneous Material No. 6 – Non-ACM Built-up Black Asphalt Roof Field located on Portico flat roof at rear of the building.

Homogeneous Material No. 7 – ACM 9” by 9” Tan Vinyl Floor Tile with Associated Black Mastic located under carpeting in Rooms 1 and 2 Adjoining the Sanctuary and on 2nd floor (original building construction).

Homogeneous Material No. 8 – Non-ACM 4” Brown Vinyl Cove Base with associated tan mastic located in Rooms 1 and 2 adjoining the Sanctuary.

Homogeneous Material No. 9 – Non-ACM White 2’ by 4’ Lay-in Ceiling Tile with Fissures Design located in Rooms 1 and 2 adjoining Sanctuary.

Homogeneous Material No. 10 – Non-ACM White Interior Window caulk located in Rooms 1 and 2 adjoining Sanctuary.

Homogeneous Material No. 11 – Non-ACM White Drywall with Associated White Joint Compound and White Paint located Throughout Sanctuary and Adjoining Rooms.

Homogeneous Material No. 12 – Non-ACM 4” Black Vinyl Cove Base with associated tan mastic located in Room 3 adjoining Sanctuary on the upper level.

Homogeneous Material No. 13 – Non-ACM White 2’ by 4’ Lay-in Ceiling Tile with Pin Dots Design located in Room 3 adjoining Sanctuary on the upper level.

Homogeneous Material No. 14 – Non-ACM Brown square pattern Resilient Sheet Flooring located in Restroom adjacent to the sanctuary and the rear Foyer of the building.

Homogeneous Material No. 15 – Non-ACM Tan Carpet Glue located in the rear Foyer of the building.

Homogeneous Material No. 16 – ACM White Drywall with Associated White Joint Compound, White Tape and White Paint located in the Girls' and Boys' restroom near Rear Foyer area of the building and throughout the original building construction on 1st and 2nd floor.

Homogeneous Material No. 17 – Non-ACM Tan Vinyl Stair Tread with associated Tan Mastic located in Stairwell leading to 2nd floor near rear foyer area (original building construction).

Homogeneous Material No. 18 – ACM Cream 9” by 9” Vinyl floor Tile with associated black mastic located in the 1st floor storage room across from the rear foyer area.

Homogeneous Material No. 19 – Non-ACM White 1’ by 1’ Lay-in- Ceiling Tile located throughout 1st floor corridor near the rear foyer area (original building construction).

Homogeneous Material No. 20 – Non-ACM Cream mottled 12” by 12” Vinyl Floor Tile with associated cream mastic located in Girl’s restroom near the rear foyer area (original building construction).

Homogeneous Material No. 21 – Non-ACM Cream mottled 12” by 12” Vinyl Floor Tile with associated Black mastic located in Boy’s restroom near the rear foyer area (original building construction).

Homogeneous Material No. 22 – Non-ACM White Pipe insulation Mastic located in the Mechanical Room.

Homogeneous Material No. 23 – Non-ACM Gray Boiler Flue Pipe Wall Packing located in the Mechanical Room.

Homogeneous Material No. 24 – Non-ACM Gray Sink Bowl Mastic Coating located in the Kitchen area adjacent to multi-Purpose Room.

Homogeneous Material No. 25 – ACM Black Sink Bowl Mastic Coating located in the Kitchen area adjacent to multi-Purpose Room.

Homogeneous Material No. 26 – Non-ACM White Gypsum 2’ by 4’ Ceiling Tile located in the Kitchen area adjacent to multi-Purpose Room.

Homogeneous Material No. 27 – Non-ACM Yellow Carpet Glue mixed in with Black Mastic located in Classroom 2 adjacent to multi-purpose Room.

Homogeneous Material No. 28 – Non-ACM Brown mottled 12” by 12” Vinyl Floor Tile with associated tan/black Mastic located in 2nd Floor Classroom 1 (original building construction).

Homogeneous Material No. 29 – Non-ACM Tan Blown-in Attic Insulation located in the Attic on the 2nd floor (original building construction)..

Homogeneous Material No. 30 – ACM Tan with brown streaks 9” by 9” Vinyl Floor Tile with associated black mastic located in the 2nd Floor Corridor, classrooms and throughout the original building construction.

Homogeneous Material No. 31 – Non-ACM Brown exterior door caulk located on the front entrance door.

Homogeneous Material No. 32 – ACM White exterior door caulk located on the front entrance door and exterior door on left side of building.

Homogeneous Material No. 33 – Non-ACM White exterior window caulk located on the Left and right-side exterior windows.