AHERA - THREE YEAR REINSPECTION



TRANSPORTATION FACILITY

3540 WHEELER AVENUE
ALEXANDRIA, VIRGINIA 22304

ECS PROJECT NO. 47:11652-E4-22

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

SEPTEMBER 8, 2025

September 8, 2025

Mr. Lee Conroy
Alexandria City Public Schools
1722 North Beauregard Street
Alexandria, Virginia 22311

ECS Project No. 47:11652-E4-22

Reference: AHERA - Three Year Reinspection, Transportation Facility, 3540 Wheeler Avenue, Alexandria, Virginia

Dear Mr. Conroy:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Alexandria City Public Schools with the results of the above referenced AHERA - Three Year Reinspection performed at Transportation Facility located at 3540 Wheeler Avenue in Alexandria, Virginia.

Previous asbestos surveys olf the building identified asbestos-containing materials. ECS performed a walk through of the building to observe present conditions. The following materials were observed to be damaged at the time of the site visit:

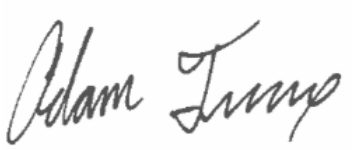
- **12" x 12" Brown with brown and white flecks Floor Tile located in the Break Room Kitchenette area was observed with localized damaged and exposed associated Mastic.**

This report summarizes our observations, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 47:39012-EP and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Alexandria City Public Schools with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC



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1.0 SITE DESCRIPTION

The subject property consists of the Transportation Facility, a one-story brick building located at 3540 Wheeler Avenue in Alexandria, Virginia. The building was originally constructed in 1975. Building finishes observed included concrete sub-floors, vinyl floor tiles, carpet, and/or ceramic tiles; the wall systems appeared to generally consist of concrete masonry unit (CMU) block walls, drywall wallboard, and/or ceramic wall tiles; and the ceiling systems appeared to generally consist of suspended drop ceilings with ceiling tiles and some plaster finishes.

2.0 PURPOSE

The purpose of this Asbestos Hazard Emergency Response Act (AHERA) three-year re-inspection of asbestos-containing materials was to assess previously identified asbestos-containing building materials (ACBMs) present on the subject property. The survey was performed on the interior areas of the subject building. This survey is intended to provide a supporting document for the AHERA management plan.

3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for the identification of Asbestos-Containing Materials (ACMs).

3.1 Asbestos Re-Inspection

The AHERA re-inspection survey was performed by David Stambaugh, a Virginia licensed asbestos inspector (license number 3303005057) who has received EPA-accredited training.

Before conducting the re-inspection, ECS reviewed existing inspection reports and then walked through areas where previously friable or non-friable ACBM were reported to be located, including assumed materials.

The scope of work for the re-inspection included the following items:

- Review the existing management plan to determine the areas requiring re-inspection.
- Visually reinspect and reassess the condition of known or assumed friable ACBM.
- Visually reinspect known or assumed non-friable ACBM and determine if it has become friable.
- Identify homogeneous areas that have changed conditions since previous re-inspections.
- Identify renovations or new materials that have been added to the building since the previous inspection.

At the request of the client, ECS did not sample additional materials during this inspection.

4.0 RESULTS

The following is a summary of laboratory results, findings and observations.

4.1 Asbestos-Containing Materials

An Asbestos-Containing Material (ACM) is defined as any material containing more than one percent (>1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM. Materials are categorized by the U.S. EPA in the following categories:

- Friable ACMs are defined as any ACM that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.
- Non-friable ACMs are defined as any ACM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
    - Category I non-friable ACM are listed as following: packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent (>1%) asbestos.
    - Category II non-friable ACM are listed as any material, excluding Category I non-friable ACM, containing more than one percent (>1%) asbestos.

Regulated Asbestos Containing Materials (RACM) are friable ACM or non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or has crumbled, been pulverized, or reduced to powder in the course of renovation and/or demolition operations.

A table of previously identified ACBM in the building is appended to this report. ECS notes the following ACMs were observed to be damaged during the site reconnaissance.

- **12" x 12" Brown with brown and white flecks Floor Tile located in the Break Room Kitchenette area was observed with localized damaged and exposed associated Mastic.**

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the AHERA - Three Year Reinspection, the results of laboratory analysis, and our findings and observations, ECS presents the following recommendations.

5.1 Asbestos-Containing Materials

ECS recommends abatement for the damaged 12" x 12" Brown with brown and white flecks Floor Tile observed in the Break Room Kitchenette area be abated by a Virginia licensed asbestos abatement contractor.

If ACMs are to be removed, it is recommended that an industrial hygienist monitor the project. This involves collecting air samples from within and outside abatement work areas to monitor the asbestos abatement contractor's work practices over the course of the project. Only after the industrial hygienist has determined the identified ACMs have been removed should final clearance air samples be collected.

For any future renovation project, a more in-depth survey should be performed for asbestos in the path of construction. Where asbestos is found, an asbestos abatement plan should be prepared by an accredited professional as outlined in AHERA prior to performing any asbestos removal work.

The results of this survey should be added to the school's AHERA management plan.

6.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

Appendix I: AHERA ACBM Tables

MATERIAL	LOCATION	FRIABILITY	CONDITION	COMMENTS	LAST INSPECTION DATE	RECOMMENDATION	SEMI-ANNUAL INSPECTION DATE	REMARKS
MATERIALS REPORTED AS ASBESTOS-CONTAINING MATERIALS ON PRIOR SURVEYS								
12" x 12" Brown with Brown and White Flecks Floor Tile and associated Black Mastic	1st Floor East Office and Lower Level Break Room	NF	Damaged	Kitchenette Area has localized damage with missing Floor Tiles and exposed Mastic	3-Jul-25	Repair or Remove ASAP; Maintain in O & M Plan		Floor Tile: 3% Chrysotile Mastic: 5% Chrysotile
MATERIALS ASSUMED TO CONTAIN ASBESTOS								
Pipe Flange Gaskets	Throughout the Building	Unknown	N/A	PACM until tested	3-Jul-25	Maintain in O & M Plan	4-May-14	Sampling if encountered/uncovered
Electrical Panels: Transite Components	Mechanical Rooms	NF	N/A	PACM until tested	3-Jul-25	Maintain in O & M Plan	4-May-14	Sampling if encountered/uncovered
Thermal System Insulation	Throughout building behind Solid Walls and Ceiling	F	N/A	PACM Until Tested	3-Jul-25	Maintain in O & M Plan	4-May-14	Sampling if encountered/uncovered
Mirror Mastic	Bathrooms	NF	N/A	PACM until tested	3-Jul-25	Maintain in O & M Plan	4-May-14	Sampling if encountered/uncovered
Interior Pipe Wrap associated with Water Fountains and Radiators	Throughout the Building	NF	N/A	PACM until tested	3-Jul-25	Maintain in O & M Plan	4-May-14	Sampling if encountered/uncovered
Waterproofing Membranes/Mastics	Behind Interior Finishes, Exterior Veneer and/or Subgrade Walls, and Under Ceramic Flooring	NF	N/A	PACM until tested	3-Jul-25	Maintain in O & M Plan	4-May-14	Sampling if encountered/uncovered
Asphalt-Based Roofing Material and Caulks/Sealants	Roof	NF	N/A	PACM until tested	3-Jul-25	Maintain in O & M Plan	4-May-14	Sampling if encountered/uncovered

Notes: F = Friable; NF = Non-Friable; PACM = Presumed Asbestos Containing Material; O & M Plan = Operations and Maintenance Plan; NAD = No Asbestos Detected.

Appendix II: Site Photographs



1 - Damaged tile with mastic exposed.

Appendix III: Certifications/ Licenses

DPOR License Lookup License Number 3303005057

License Details

Name	STAMBAUGH, DAVID
License Number	3303005057
License Description	Asbestos Inspector License
Rank	Asbestos Inspector
Address	CLEAR BROOK, VA 22624
Initial Certification Date	2023-12-19
Expiration Date	2025-12-31

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DPOR License Lookup build 1,524 (built 2025-04-18 11:59:26).

DPOR License Lookup License Number 3304001722

License Details

Name	TRUAX, ADAM MICHAEL
License Number	3304001722
License Description	Asbestos Management Planner License
Rank	Asbestos Management Planner
Address	RANSON, WV 25438
Initial Certification Date	2023-03-30
Expiration Date	2026-03-31

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DPOR License Lookup build 1,524 (built 2025-04-18 11:59:26).

Appendix IV: Previous Reports

AHERA ASBESTOS-CONTAINING MATERIALS SURVEY



.

TRANSPORTATION FACILITY

3540 WHEELER AVENUE
ALEXANDRIA, VIRGINIA 22304

ECS PROJECT NO. 47:11652-E2

FOR: ALEXANDRIA CITY PUBLIC SCHOOLS

MAY 4, 2022

May 4, 2022

Mr. John Contreras
Alexandria City Public Schools
1340 Braddock Place
Alexandria, Virginia 22314
john.contreras@acps.k12.va.us

ECS Project No. 47:11652-E2

Reference: AHERA Asbestos-Containing Materials Survey, Transportation Facility, 3540 Wheeler Avenue, Alexandria, Virginia

Dear Mr. Contreras:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Alexandria City Public Schools with the results of the above referenced AHERA Asbestos-Containing Materials Survey performed at the Transportation Facility located at 3540 Wheeler Avenue in Alexandria, Virginia. This report summarizes our observations, analytical results, findings, and recommendations related to the work performed. The work described in this report was performed by ECS in general accordance with the Scope of Services described in ECS Proposal Number 47:16069-EP and the terms and conditions of the agreement authorizing those services.

ECS appreciates this opportunity to provide Alexandria City Public Schools with our services. If we can be of further assistance to you, please do not hesitate to contact us.

Sincerely,

ECS Mid-Atlantic, LLC

Zach Harrell
Environmental Technician
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571-334-3350

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Director of Industrial Hygiene
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EXECUTIVE SUMMARY

The subject property consists of ACPS Transportation Facility, a one-story brick building located at 3540 Wheeler Avenue, Alexandria, Virginia. Building finishes observed included concrete sub-floors, vinyl floor tiles, carpet, and/or ceramic tiles; the wall systems appeared to generally consist of concrete masonry unit (CMU) block walls, drywall wallboard, and/or ceramic wall tiles; and the ceiling systems appeared to generally consist of suspended drop ceilings with ceiling tiles and some plaster finishes.

The purpose of the survey was to determine if asbestos-containing building materials (ACBMs) present on the subject property. The survey was performed within interior areas of the school building excluding the roofs and exterior materials. This survey is intended to provide a supporting document for the Asbestos Hazard Emergency Response Act (AHERA) management plan for the building.

Based on the laboratory analysis of the bulk samples collected during the survey, the following materials were reported to contain asbestos:

- 12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic present in the First Floor East office as well as well as the lower level custodial closet.

Recommendations regarding the removal and disposal of the ACMs identified by ECS can be found in Section 5.0 of this report. The executive summary is an integral portion of this report, however, ECS recommends the report be read in its entirety.

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Appendix V: AHERA ACBM and Suspect ACBM Categories Document

1.0 SITE DESCRIPTION

The subject property consists of ACPS Transportation Facility, a one-story brick building located at 3540 Wheeler Avenue, Alexandria, Virginia. Building finishes observed included concrete sub-floors, vinyl floor tiles, carpet, and/or ceramic tiles; the wall systems appeared to generally consist of concrete masonry unit (CMU) block walls, drywall wallboard, and/or ceramic wall tiles; and the ceiling systems appeared to generally consist of suspended drop ceilings with ceiling tiles and some plaster finishes.

2.0 PURPOSE

The purpose of this Asbestos Hazard Emergency Response Act (AHERA) asbestos re-inspection was to determine if asbestos-containing building materials (ACBMs) are present on the subject building that had not been previously identified, to account for the ACMs previously identified with regards to their general location and condition, and finally to generally identify if any of the previously noted ACMs had been abated. The survey was performed within interior areas of the subject building. Exterior and roofing materials were not included in this survey. This survey is intended to provide a supporting document for the AHERA management plan for the school.

US EPA AHERA regulations requires all public and private schools to survey school buildings and associated support school buildings for ACMs, and to prepare management plans for identified ACMs.

3.0 METHODOLOGY

ECS performed the authorized Scope of Services in general accordance with our proposal, standard industry practice(s) and methods specified by regulation(s) for the identification of Asbestos-Containing Materials (ACMs).

3.1 Asbestos-Containing Materials

The non-invasive asbestos survey was performed by asbestos inspectors who have received EPA accredited training and are licensed by the Commonwealth of Virginia. Samples of suspect ACMs were collected utilizing hand tools and placed into individual, labeled plastic bags. Unique bulk suspect ACM samples were submitted to Scientific Analytical Institute (SAI) in Greensboro, North Carolina for analysis via Polarized Light Microscopy (PLM) in accordance with current EPA-600 methodology. Materials consisting of additional layers were analyzed separately. Scientific Analytical Institute (SAI) is listed as an accredited laboratory by the National Voluntary Laboratory Accreditation Plan (NVLAP) managed by the National Institute of Standards and Technology (NIST) for bulk sample analysis by currently approved EPA methodology by PLM.

During the survey, ECS attempted to identify suspect ACMs in readily accessible areas. However, due to the destructive means required to identify some materials, certain areas were deemed inaccessible (i.e. behind walls or sub grade materials) and were not surveyed for suspect ACMs.

It is important to note that due to the COVID-19 pandemic, extra precautions were taken in order to avoid contact with students and staff, increasing the number of areas deemed inaccessible. Occupied rooms, select inaccessible closets, and roofs were inaccessible during the survey. Unidentified suspect ACMs may be located in these and/or other inaccessible areas.

Samples were collected in general accordance with EPA Standard 40 CFR 763 Subpart E, Asbestos Hazard Emergency Response Act (AHERA) and OSHA Standard 29 CFR 1926.1101 Inspection Protocol. Multiple samples of each unique material were submitted. Samples were analyzed using "Positive Stop" methodology. If one sample of a homogeneous material is reported to contain asbestos, the remaining samples of that material are not analyzed. EPA regulations stipulate that if one sample contains asbestos the entire quantity of that material contains asbestos, regardless of additional analysis.

4.0 RESULTS

The following is a summary of laboratory results, findings and observations.

4.1 Asbestos-Containing Materials

An Asbestos-Containing Material (ACM) is defined as any material containing more than one percent (>1%) asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763, Section 1, PLM. Materials are categorized by the U.S. EPA in the following categories:

- Friable ACMs are defined as any ACM that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure.
- Non-friable ACMs are defined as any ACM that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
    - Category I non-friable ACM are listed as following: packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than one percent (>1%) asbestos.
    - Category II non-friable ACM are listed as any material, excluding Category I non-friable ACM, containing more than one percent (>1%) asbestos.

Regulated Asbestos Containing Materials (RACM) are friable ACM or non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading or has crumbled, been pulverized, or reduced to powder in the course of renovation and/or demolition operations.

AHERA requires identified asbestos-containing building materials (ACBMs) to be categorized by a trained AHERA inspector into the following categories:

• (1) Damaged or significantly damaged thermal system insulation ACBM.
• (2) Damaged friable surfacing ACBM.
• (3) Significantly damaged friable surfacing ACBM.
• (4) Damaged or significantly damaged friable miscellaneous ACBM.

• (5) ACBM with potential for damage.
• (6) ACBM with potential for significant damage.
• (7) Any remaining friable ACBM or friable suspected ACBM.

Definitions for the above-referenced categories can be found in the Appendices.

Scientific Analytical Institute (SAI) submitted a signed final laboratory report to ECS on October 29, 2021. One of the bulk samples submitted for analysis were reported to contain asbestos in detectable concentrations. The materials sampled are summarized below. A complete list of the sampled materials submitted for analysis and sample locations are located in the Appendix of this report. Additional details regarding the overall locations of the materials identified as asbestos-containing are provided further in the report. Photographs of collected samples reported as asbestos-containing are also located in the Appendix of this report.

In total, 41 bulk samples from homogeneous areas were submitted to the laboratory of which 51 layers were analyzed.

Summary of Asbestos-Containing Materials Identified

Location	Material Description	Analytical Result	EPA Category	AHERA Category
1st Floor East Office and Lower Level Break Room	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic	Tile- 3% Chrysotile Mastic- 5% Chrysotile	Category I Non-Friable	Not applicable

Summary of Non Asbestos-Containing Materials Identified

Location	Material Description	Analytical Results
Materials Sampled in 2022 AHERA Survey		
1st Floor Entry Hall	Interior Brown Window Caulk	NAD
1st Floor East Office and Lower Level Custodial Closet	4" Brown Cove Base with Brown Mastic	NAD
1st Floor Entry Hall and 1st Floor Training/ Lounge Closet	Drywall Wallboard	NAD
1st Floor Entry Hall and 1st Floor Training/ Lounge Closet	Drywall Joint Compound	NAD
1st Floor Bathroom, Stairwell, and Work Bay	CMU Block Filler	NAD

Location	Material Description	Analytical Results
1st Floor Bathroom	Brown Ceramic Cove Base Mastic	NAD
1st Floor Training/Lounge	White Sink Undercoat	NAD
1st Floor Training/Lounge Closet and Lower Level Break Room	2' x 4' Pinhole Punch Ceiling Tile	NAD
Stairwell	Brown Stair Tread with Yellow Mastic	NAD
Stairwell and Work Bay	Interior White Door Caulk	NAD
Lower Level Custodial Closet, Lube St, and Tire St.	Pipe Insulation Wrap with White Seam Mastic	NAD
Lower Level Break Room	HVAC Insulation Wrap with White Seam Mastic	NAD
Lower Level Break Room and Lower Level Hallway	4" Black Cove Base with Brown Mastic	NAD
Community Building - Main Room and Community Building - Bathroom	Drywall Wallboard with Wall Paper (No Joint Compound)	NAD
Community Building - Main Room and Community Building - Bathroom	2' x 2' White Pinhole Punch Ceiling Tile	NAD
Community Building - Main Room Closet	Gray Self Stick Vinyl Flooring	NAD
Community Building - Bathroom	Stone Patterned Self Stick Vinyl Flooring	NAD
Community Building - Main Room and Community Building - Bathroom	4" Gray Cove Base with Cream Mastic	NAD
Notes: **NAD = No Asbestos Detected** **Locations reflect the area in which the material was sampled. These materials may be representative of and located in other homogenous areas throughout the school.**		

Flooring Materials

ECS observed asbestos-containing 12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic in the 1st Floor East Office and Lower Level Break Room. This material may be present in other areas of the building. Note: generally asbestos-containing floor tile and mastics can be found under furniture, partitions, other flooring materials, etc.

4.2 Suspect or Assumed Asbestos-Containing Materials

Due to the inaccessibility or the destructive means that asbestos sampling requires, additional suspect ACMs may remain within the building hidden behind inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, sub-grade sealants, flooring located below underlayments, areas behind exterior walls, pipe trenches, and subsurface utilities, etc. These areas were deemed inaccessible and were not assessed.

If these materials are discovered during construction activities, they should be presumed to contain asbestos and be treated as ACMs or be sampled immediately upon discovery and prior to disturbance for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

Based upon our past experience in the identification of ACMs in similarly constructed buildings, the following additional suspect ACMs may also be located in inaccessible areas of the structure:

- **Vermiculite Filler** associated with Concrete Masonry Unit (Blocks/Walls).
- **Duct Pin Mastic** associated with the HVAC Units.
- **Fire Door and associated Casing Insulation** in locations requiring a rated fire door and door casing.
- **Mastics** behind/under mirrors and dry-erase/ chalk boards.
- **"Transite" Panels** used as roofing components or other applications.
- **Water Fountain Components** in water fountains (mastics, pipe cloth, etc.).
- **Waterproofing Membrane/Mastics/Vapor Barriers/Sub-grade Pipe Conduit** within exterior wall cavities, behind interior finishes, exterior veneer and/or subgrade walls.
- **Thermal System Insulation (TSI)** on pipes within chases behind solid walls, within the inaccessible regions of crawl spaces, above the visible ductwork, or below subgrade.
- **Pipe Flange Gaskets** in heating and plumbing systems.
- **Air Handler Components** in the air handlers (interior components).
- **Vibration Dampener Cloth** associated with HVAC Systems.
- **Roofing and Exterior Materials** including caulk, flashing, membranes .
-
- **Asbestos-Cement Pipe Conduit** encased in duct banks and/or below sub-grade.
-
-
-
-
- **CMU Block Coating**

5.0 RECOMMENDATIONS AND REGULATORY REQUIREMENTS

Based on our understanding of the purpose of the AHERA Asbestos-Containing Materials Survey, the results of laboratory analysis, and our findings and observations, ECS presents the following recommendations.

5.1 Asbestos-Containing Materials

ECS recommends where a material type has been identified as asbestos-containing that other materials with similar color, texture, age and size throughout the building's interior and exterior be assumed to contain asbestos. Please refer to Section 4.1 for a complete list of building materials that were reported positive for asbestos and to Section 4.2 for materials that were assumed to contain asbestos.

If ACMs are to be removed, it is recommended that an industrial hygienist monitor the project. This involves collecting air samples from within and outside abatement work areas to monitor the asbestos abatement contractor's work practices over the course of the project. The industrial hygienist should evaluate if the asbestos abatement work is in accordance with project specifications, U.S. EPA regulation 40 CFR Part 61-National Emission Standards for Hazardous Air Pollutants Subpart M: National Emission Standard for Asbestos, and U.S. Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 – Asbestos in Construction. The industrial hygienist should assess each work area to monitor the removal of ACMs. Only after the industrial hygienist has determined the identified ACMs have been removed should final clearance air samples be collected (if necessary).

If ACMs are to be removed, it is recommended that an industrial hygienist monitor the project. This involves collecting air samples from within and outside abatement work areas to monitor the asbestos abatement contractor's work practices over the course of the project. The industrial hygienist should evaluate if the asbestos abatement work is in accordance with project specifications, U.S. EPA regulation 40 CFR Part 61-National Emission Standards for Hazardous Air Pollutants Subpart M: National Emission Standard for Asbestos, and U.S. Occupational Safety and Health Administration (OSHA) regulation 29 CFR 1926.1101 – Asbestos in Construction. The industrial hygienist should assess each work area to monitor the removal of ACMs. Only after the industrial hygienist has determined the identified ACMs have been removed should final clearance air samples be collected (if necessary).

Suspect ACMs not observed due to inaccessibility or not sampled due to the destructive means that sampling would require may also be encountered during construction activities. At the time of the survey, only limited destructive means were used to locate or sample suspect ACMs; therefore, additional suspect ACMs may remain within inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, exterior areas, sub-grade sealants, flooring located below underlayments, vapor barriers, pipe trenches and other subsurface utilities, etc. If additional suspect ACMs are uncovered which were not accessible during this survey, it is recommended that these materials either be assumed to contain asbestos or be sampled prior to disturbance upon discovery for asbestos content by an asbestos inspector in accordance with 29 CFR 1926.1101.

The results of this survey should be added to the school's management plan.

6.0 LIMITATIONS

The conclusions and recommendations presented within this report are based upon a reasonable level of assessment within normal bounds and standards of professional practice for a site in this particular geographic setting. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries.

During this study, samples were submitted for analysis at an accredited laboratory via polarized light microscopy. As with any similar survey of this nature, actual conditions exist only at the precise locations from which samples were collected. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No warranty, expressed or implied, is made.

The observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of ECS and the client.

Our recommendations are in part based on federal, state, and local regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies, any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

Appendix I: Site Photographs



1 - View of 12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic (3% Chrysotile)

Appendix II: Asbestos Bulk Sample Results

TABLE

SUSPECT ASBESTOS-CONTAINING MATERIALS BULK SAMPLING RESULTS

Sample #	Sampling Location	Material/Description	Analytical Results
1	1st Floor Entry Hall	Interior Brown Window Caulk	NAD
2	1st Floor Entry Hall	Interior Brown Window Caulk	NAD
3 - A	1st Floor East Office	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic	3% Chrysotile
3 - B	1st Floor East Office	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic	Not Analyzed
4 - A	Lower Level Break Room	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic	NAD
4 - B	Lower Level Break Room	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic	5% Chrysotile
5 - A	1st Floor East Office	4" Brown Cove Base with Brown Mastic	NAD
5 - B	1st Floor East Office	4" Brown Cove Base with Brown Mastic	NAD
6 - A	Lower Level Custodial Closet	4" Brown Cove Base with Brown Mastic	NAD
6 - B	Lower Level Custodial Closet	4" Brown Cove Base with Brown Mastic	NAD
7	1st Floor Entry Hall	Drywall Wallboard	NAD
8	1st Floor Training/Lounge Closet	Drywall Wallboard	NAD
9	1st Floor Entry Hall	Drywall Joint Compound	NAD
10	1st Floor Training/Lounge Closet	Drywall Joint Compound	NAD
11	1st Floor Bathroom	CMU Block Filler	NAD
12	Stairwell	CMU Block Filler	NAD
13	Work Bay	CMU Block Filler	NAD
14	1st Floor Bathroom	Brown Ceramic Cove Base Mastic	NAD
15	1st Floor Bathroom	Brown Ceramic Cove Base Mastic	NAD
16	1st Floor Training/Lounge	White Sink Undercoat	NAD
17	1st Floor Training/Lounge	White Sink Undercoat	NAD

Table Notes:
Bold = Asbestos-Containing Materials
N/A = Not Analyzed, Positive Stop
NAD = No Asbestos Detected

Appendix III: Laboratory Report(s)

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Michael Hamill

Project: 11652-E2 AHERA Transportation

Lab Order ID: 71977815
Analysis ID: 71977815_PLM
Date Received: 10/26/2021
Date Reported: 10/29/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
1 *71977815PLM_1*	Interior Brown Window Caulk	**None Detected**		**100% Other**	Black Non Fibrous Heterogeneous Ashed
2 *71977815PLM_2*	Interior Brown Window Caulk	**None Detected**		**100% Other**	Black Non Fibrous Heterogeneous Ashed
3 - A *71977815PLM_3*	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic *tile*	**3% Chrysotile**		**97% Other**	Gray Non Fibrous Heterogeneous Dissolved
3 - B *71977815PLM_42*	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic *mastic - small sample*	**None Detected**		**100% Other**	Black Non Fibrous Heterogeneous Dissolved
4 - A *71977815PLM_4*	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic *tile*	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Dissolved
4 - B *71977815PLM_43*	12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic *mastic*	**5% Chrysotile**		**95% Other**	Black Non Fibrous Heterogeneous Dissolved
5 - A *71977815PLM_5*	4" Brown Cove Base with Brown Mastic *cove base*	**None Detected**		**100% Other**	Black Non Fibrous Heterogeneous Ashed
5 - B *71977815PLM_44*	4" Brown Cove Base with Brown Mastic *mastic*	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Dissolved

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Jalen Moore (51)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Michael Hamill

Project: 11652-E2 AHERA Transportation

Lab Order ID: 71977815
Analysis ID: 71977815_PLM
Date Received: 10/26/2021
Date Reported: 10/29/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
6 - A *71977815PLM_6*	4" Brown Cove Base with Brown Mastic *cove base*	**None Detected**		**100% Other**	Black Non Fibrous Heterogeneous Ashed
6 - B *71977815PLM_45*	4" Brown Cove Base with Brown Mastic *mastic*	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Dissolved
7 *71977815PLM_7*	Drywall Wallboard	**None Detected**	**10% Cellulose**	**90% Other**	White Non Fibrous Heterogeneous Crushed
8 *71977815PLM_8*	Drywall Wallboard	**None Detected**	**10% Cellulose**	**90% Other**	White Non Fibrous Heterogeneous Crushed
9 *71977815PLM_9*	Drywall Joint Compound *drywall: none detect; joint compnd: none detect*	**None Detected**	**10% Cellulose**	**90% Other**	White Non Fibrous Heterogeneous Crushed
10 *71977815PLM_10*	Drywall Joint Compound *drywall only*	**None Detected**	**10% Cellulose**	**90% Other**	White Non Fibrous Heterogeneous Crushed
11 *71977815PLM_11*	CMU Block Filler	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
12 *71977815PLM_12*	CMU Block Filler	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed

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Jalen Moore (51)

Analyst

Approved Signatory

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
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Project: 11652-E2 AHERA Transportation

Lab Order ID: 71977815
Analysis ID: 71977815_PLM
Date Received: 10/26/2021
Date Reported: 10/29/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
13 *71977815PLM_13*	CMU Block Filler	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
14 *71977815PLM_14*	Brown Ceramic Cove Base Mastic	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Dissolved
15 *71977815PLM_15*	Brown Ceramic Cove Base Mastic	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Dissolved
16 *71977815PLM_16*	White Sink Undercoat	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous Dissolved
17 *71977815PLM_17*	White Sink Undercoat	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous Dissolved
18 *71977815PLM_18*	2' x 4' Pinhole Punch Ceiling Tile	**None Detected**	**60% Cellulose** **30% Fiber Glass**	**10% Other**	Gray Fibrous Heterogeneous Ashed
19 *71977815PLM_19*	2' x 4' Pinhole Punch Ceiling Tile	**None Detected**	**60% Cellulose** **30% Fiber Glass**	**10% Other**	Gray Fibrous Heterogeneous Ashed
20 - A *71977815PLM_20*	Brown Stair Tread with Yellow Mastic *stair tread*	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Jalen Moore (51)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

INDUSTRIAL HYGIENE ISO/IEC 17025:2017 Accredited Laboratory AIHA LAP, LLC AIHAACCREDITEDLABS.ORG Lab ID # 173190

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Attn: Michael Hamill

Project: 11652-E2 AHERA Transportation

Lab Order ID: 71977815
Analysis ID: 71977815_PLM
Date Received: 10/26/2021
Date Reported: 10/29/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
20 - B *71977815PLM_46*	Brown Stair Tread with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Heterogeneous Dissolved
21 - A *71977815PLM_21*	Brown Stair Tread with Yellow Mastic *stair tread*	**None Detected**		**100% Other**	Brown Non Fibrous Heterogeneous Ashed
21 - B *71977815PLM_47*	Brown Stair Tread with Yellow Mastic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Heterogeneous Dissolved
22 *71977815PLM_22*	Interior White Door Caulk	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
23 *71977815PLM_23*	Interior White Door Caulk	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Crushed
24 *71977815PLM_24*	Pipe Insulation Wrap with White Seam Mastic	**None Detected**	**80% Cellulose**	**20% Other**	Beige Fibrous Heterogeneous Ashed
25 *71977815PLM_25*	Pipe Insulation Wrap with White Seam Mastic	**None Detected**	**80% Cellulose**	**20% Other**	Beige Fibrous Heterogeneous Ashed
26 *71977815PLM_26*	Pipe Insulation Wrap with White Seam Mastic	**None Detected**	**80% Cellulose**	**20% Other**	Beige Fibrous Heterogeneous Ashed

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

NVLAP TESTING NVLAP LAB CODE 200664-0

AIHA ACCREDITED LABS.ORG Lab ID # 173190

Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Michael Hamill

Project: 11652-E2 AHERA Transportation

Lab Order ID: 71977815
Analysis ID: 71977815_PLM
Date Received: 10/26/2021
Date Reported: 10/29/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
27 *71977815PLM_27*	HVAC Insulation Wrap with White Seam Mastic	None Detected	80% Cellulose	20% Other	Beige Fibrous Heterogeneous Ashed
28 *71977815PLM_28*	HVAC Insulation Wrap with White Seam Mastic	None Detected	80% Cellulose	20% Other	Beige Fibrous Heterogeneous Ashed
29 *71977815PLM_29*	HVAC Insulation Wrap with White Seam Mastic	None Detected	80% Cellulose	20% Other	Beige Fibrous Heterogeneous Ashed
30 - A *71977815PLM_30*	4" Black Cove Base with Brown Mastic *cove base*	None Detected		100% Other	White Non Fibrous Heterogeneous Ashed
30 - B *71977815PLM_48*	4" Black Cove Base with Brown Mastic *mastic*	None Detected		100% Other	Brown Non Fibrous Heterogeneous Dissolved
31 - A *71977815PLM_31*	4" Black Cove Base with Brown Mastic *cove base*	None Detected		100% Other	White Non Fibrous Heterogeneous Ashed
31 - B *71977815PLM_49*	4" Black Cove Base with Brown Mastic *mastic*	None Detected		100% Other	Brown Non Fibrous Heterogeneous Dissolved
32 *71977815PLM_32*	Drywall Wallboard with Wall Paper (No Joint Compound)	None Detected	10% Cellulose	90% Other	White Non Fibrous Heterogeneous Crushed

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Jalen Moore (51)

Analyst

Approved Signatory

P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

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Lab Order ID: 71977815
Analysis ID: 71977815_PLM
Date Received: 10/26/2021
Date Reported: 10/29/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
33 *71977815PLM_33*	Drywall Wallboard with Wall Paper (No Joint Compound)	**None Detected**	**10% Cellulose**	**90% Other**	White Non Fibrous Heterogeneous Crushed
34 *71977815PLM_34*	2' x 2' White Pinehole Punch Ceiling Tile	**None Detected**	**60% Cellulose** **30% Fiber Glass**	**10% Other**	Gray Fibrous Heterogeneous Ashed
35 *71977815PLM_35*	2' x 2' White Pinehole Punch Ceiling Tile	**None Detected**	**60% Cellulose** **30% Fiber Glass**	**10% Other**	Gray Fibrous Heterogeneous Ashed
36 *71977815PLM_36*	Gray Self Stick Vinyl Flooring	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Ashed
37 *71977815PLM_37*	Gray Self Stick Vinyl Flooring	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Ashed
38 *71977815PLM_38*	Stone Patterned Self Stick Vinyl Flooring	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous Ashed
39 *71977815PLM_39*	Stone Patterned Self Stick Vinyl Flooring	**None Detected**		**100% Other**	White Non Fibrous Heterogeneous Ashed
40 - A *71977815PLM_40*	4" Gray Cove Base with Cream Matsic *cove base*	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Ashed

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommend that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Analytical uncertainty available upon request. Scientific Analytical Institute participates in the NVLAP Proficiency Testing program. Unless otherwise noted blank sample correction was not performed. Estimated MDL is 0.1%.

Jalen Moore (51)

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P-F-002 r15 1/16/2021

Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 40 CFR, Part 763, Subpart E, App.E

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Customer: ECS Mid-Atlantic, LLC
14026 Thunderbolt Place
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Lab Order ID: 71977815
Analysis ID: 71977815_PLM
Date Received: 10/26/2021
Date Reported: 10/29/2021

Sample ID *Lab Sample ID*	Description *Lab Notes*	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes Treatment
40 - B *71977815PLM_50*	4" Gray Cove Base with Cream Matsic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Heterogeneous Dissolved
41 - A *71977815PLM_41*	4" Gray Cove Base with Cream Matsic *cove base*	**None Detected**		**100% Other**	Gray Non Fibrous Heterogeneous Ashed
41 - B *71977815PLM_51*	4" Gray Cove Base with Cream Matsic *mastic*	**None Detected**		**100% Other**	Yellow Non Fibrous Heterogeneous Dissolved

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Jalen Moore (51)

Analyst

Approved Signatory

71977815

Client:	ECS Mid-Atlantic, LLC	***Instructions:***
Contact:	Michael Hamill	*Use Column "B" for your contact info*
Address:	14026 Thunderbolt Place, Suite	
Phone:	(703)-471-8400	*To See an Example Click the bottom Example Tab.*
Fax:		
Email:	mhamill@ecslimited.com	***Enter samples between "<<" and ">>" Begin Samples with a "<< "above the first sample and end with a ">>" below the last sample.***
Project:	11652-E2 AHERA Transportation	
Client Notes:		*Only Enter your data on the first sheet "Sheet1"*
P.O. #.	11652-E2 AHERA Transportation	*Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.*
Date Submitted:	10/25/2021 0:00	
Analysis:	PLM EPA 600/R-93/116	
TurnAroundTime:	72-hour	

Scientific Analytical Institute

4604 Dundas Drive
Greensboro, NC 27407
Phone: 336.292.3888
Fax: 336.292.3313
Email: lab@sailab.com

Sample Number	Data 1	Sample Description	Data 2
<<			
1		Interior Brown Window Caulk	1st Floor Entry Hall
2		Interior Brown Window Caulk	1st Floor Entry Hall
3		12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic	1st Floor East Office
4		12" x 12" Brown with Brown and White Flecks Floor Tile and Black Mastic	Lower Level Break Room
5		4" Brown Cove Base with Brown Mastic	1st Floor East Office
6		4" Brown Cove Base with Brown Mastic	Lower Level Custodial Closet
7		Drywall Wallboard	1st Floor Entry Hall
8		Drywall Wallboard	1st Floor Training/Lounge Closet
9		Drywall Joint Compound	1st Floor Entry Hall
10		Drywall Joint Compound	1st Floor Training/Lounge Closet
11		CMU Block Filler	1st Floor Bathroom
12		CMU Block Filler	Stairwell
13		CMU Block Filler	Work Bay
14		Brown Ceramic Cove Base Mastic	1st Floor Bathroom
15		Brown Ceramic Cove Base Mastic	1st Floor Bathroom
16		White Sink Undercoat	1st Floor Training/Lounge
17		White Sink Undercoat	1st Floor Training/Lounge
18		2' x 4' Pinhole Punch Ceiling Tile	1st Floor Training/Lounge Closet
19		2' x 4' Pinhole Punch Ceiling Tile	Lower Level Break Room
20		Brown Stair Tread with Yellow Mastic	Stairwell
21		Brown Stair Tread with Yellow Mastic	Stairwell
22		Interior White Door Caulk	Stairwell
23		Interior White Door Caulk	Work Bay
24		Pipe Insulation Wrap with White Seam Mastic	Lower Level Custodial Closet
25		Pipe Insulation Wrap with White Seam Mastic	Lube St
26		Pipe Insulation Wrap with White Seam Mastic	Tire St
27		HVAC Insulation Wrap with White Seam Mastic	Lower Level Break Room
28		HVAC Insulation Wrap with White Seam Mastic	Lower Level Break Room
29		HVAC Insulation Wrap with White Seam Mastic	Lower Level Break Room
30		4" Black Cove Base with Brown Mastic	Lower Level Break Room
31		4" Black Cove Base with Brown Mastic	Lower Level Hallway
32		Drywall Wallboard with Wall Paper (No Joint Compound)	Community Building - Main Room
33		Drywall Wallboard with Wall Paper (No Joint Compound)	Community Building - Bathroom
34		2' x 2' White Pinehole Punch Ceiling Tile	Community Building - Main Room
35		2' x 2' White Pinehole Punch Ceiling Tile	Community Building - Bathroom
36		Gray Self Stick Vinyl Flooring	Community Building - Main Room Closet
37		Gray Self Stick Vinyl Flooring	Community Building - Main Room Closet
38		Stone Patterned Self Stick Vinyl Flooring	Community Building - Bathroom
39		Stone Patterned Self Stick Vinyl Flooring	Community Building - Bathroom
40		4" Gray Cove Base with Cream Matsic	Community Building - Main Room Closet
41		4" Gray Cove Base with Cream Matsic	Community Building - Bathroom
>>			

Accepted ☑

Rejected ☐

Relinquished By

Received By 10/26. 10:30AM

Appendix IV: Certifications/ Licenses

COMMONWEALTH of VIRGINIA

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

EXPIRES ON
12-31-2022

NUMBER
3309002099

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS PROJECT MONITOR LICENSE

ZACHARY DAVID HARRELL
1927 N CAMERON ST
ARLINGTON, VA 22207

Mary Broz-Vaughan, 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 PROJECT MONITOR LICENSE
NUMBER: 3309002099 EXPIRES: 12-31-2022

ZACHARY DAVID HARRELL
1927 N CAMERON ST
ARLINGTON, VA 22207

(FOLD)

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

DPOR-PC (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
12-31-2022

NUMBER
3303004832

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

ZACHARY DAVID HARRELL
1927 N CAMERON ST
ARLINGTON, VA 22207

DPOR

Mary Broz-Vaughan, Director

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DPOR COMMONWEALTH of VIRGINIA
Department of Professional and Occupational Regulation

BOARD FOR ASBESTOS, LEAD, AND HOME INSPECTORS
ASBESTOS INSPECTOR LICENSE
NUMBER: 3303004832 EXPIRES: 12-31-2022

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(FOLD)

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

DPOR-PC (02/2017)

License Details

Name	HAMILL, MICHAEL PETER
License Number	3303003941
License Description	Asbestos Inspector License
Rank	Asbestos Inspector
Address	NATIONAL HARBOR, MD 20745
Initial Certification Date	2014-04-16
Expiration Date	2022-04-30

The license information in this application was last updated at Tue Apr 26 02:50:17 EDT.

Appendix V: AHERA ACBM and Suspect ACBM Categories Document

AHERA ACBM and Suspect ACBM Categories

(1) Damaged or significantly damaged thermal system insulation ACM:

- (1) Means thermal system insulation ACM on pipes, boilers, tanks, ducts, and other thermal system insulation equipment where the insulation has lost its structural integrity, or its covering, in whole or in part, is crushed, water stained, gouged, punctured, missing, or not intact such that it is not able to contain fibers. Damage may be further illustrated by occasional punctures, gouges or other signs of physical injury to ACM; occasional water damage on the protective coverings/jackets; or exposed ACM ends or joints. Asbestos debris originating from the ACBM in question may also indicate damage.

(2) Damaged friable surfacing ACM:

- (2) Means friable surfacing ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or which has delaminated such that its bond to the substrate (adhesion) is inadequate, or which, for any other reason, lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

(3) Significantly damaged friable surfacing ACM:

- (3) Means damaged friable surfacing ACM in a functional space where the damage is extensive and severe.

(4) Damaged or significantly damaged friable miscellaneous ACM:

- (4) Means friable miscellaneous ACM which has deteriorated or sustained physical injury such that the internal structure (cohesion) of the material is inadequate or, if applicable, which has delaminated such that its bond to the substrate (adhesion) is inadequate or which for any other reason lacks fiber cohesion or adhesion qualities. Such damage or deterioration may be illustrated by the separation of ACM into layers; separation of ACM from the substrate; flaking, blistering, or crumbling of the ACM surface; water damage; significant or repeated water stains, scrapes, gouges, mars or other signs of physical injury on the ACM. Asbestos debris originating from the ACBM in question may also indicate damage.

(5) ACBM with potential for damage:

- (5) Means circumstances in which:

    - (1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

- (2) There are indications that there is a reasonable likelihood that the material or its covering will become damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

(6) ACBM with potential for significant damage:

- (6) Means circumstances in which:

  - (1) Friable ACBM is in an area regularly used by building occupants, including maintenance personnel, in the course of their normal activities.

  - (2) There are indications that there is a reasonable likelihood that the material or its covering will become significantly damaged, deteriorated, or delaminated due to factors such as changes in building use, changes in operations and maintenance practices, changes in occupancy, or recurrent damage.

  - (3) The material is subject to major or continuing disturbance, due to factors including, but not limited to, accessibility or, under certain circumstances, vibration or air erosion.

(7) Any remaining friable ACBM or friable suspected ACBM:

- (1) Means any remaining friable ACBM or friable Suspected ACBM in a building.