e m e r y

Environmental Associates

*PO Box – E * Pawtucket, RI 02861 * Office (401)-727-4941 *
Email: emeryenvironmental@verizon.net*

ASBESTOS INSPECTION REPORT

PROJECT LOCATION:

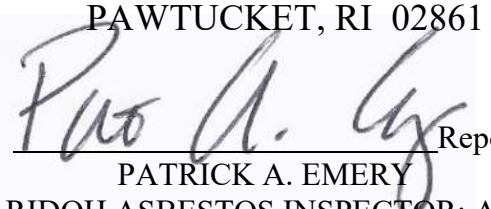
22 RYE STREET
PROVIDENCE, RI

CLIENT:

MR. FERNANDO TAVARES
TAVARES, LLC.
1017 BROAD STREET
PROVIDENCE, RI 02905

REPORT PREPARED BY:

MR. PATRICK A. EMERY
EMERY ENVIRONMENTAL ASSOCIATES
P.O. BOX - E
PAWTUCKET, RI 02861



Report Date: 12.1.2021

PATRICK A. EMERY
RIDOH ASBESTOS INSPECTOR; AI00505

EEA PROJECT #: 210914-A

ASBESTOS INSPECTION REPORT
22 RYE STREET
PROVIDENCE, RI 02909

I. INTRODUCTION:

Emery Environmental Associates was retained by Mr. Fernando Tavares (Principal) Tavares LLC, to conduct an asbestos inspection of existing accessible building materials within the structure at: 22 Rye Street; Providence, RI, as proposed for renovation.

The main goals of the inspection were to:

a) Conduct an asbestos inspection and sample accessible building materials associated with the interior and exterior areas of the structure as currently planned for renovation,

b) Provide a report of the findings of the inspection including: sample results and recommendations.

II. ASBESETOS SURVEY SUMMARY:

The asbestos survey was performed by Rhode Island Department of Health (RIDOH) certified asbestos inspector Mr. Patrick Emery (AI00505) from November 8 - 26 2021. During the performance of the inspection, EEA collected and analyzed a total of one hundred (100) representative samples, of thirty seven (37) separate suspect homogenous areas (building materials). These samples were collected and submitted to EMSL Analytical Inc. (RIDOH Lab Lic. # PLM00139) under chain of custody protocol. Suspect materials were based on a material evaluation of the interior and exterior building materials as scheduled to be impacted in association with the planned renovations.

The inspected facility is a three-level brick framed structure (basement, first and second floor levels). The interior finishes include but not limited to: painted plaster and gypsum wallboard at walls and ceilings, vinyl tile flooring with concrete floor leveler and metal frame exterior window sashes throughout. The building is heated by two oil furnace / boilers located at the Basement – Boiler Room area. No other heating unit system(s) was discovered in the structure at the time of the inspection. Building description is limited and not intended to be inclusive of all building materials as ma be present or tested as part of this inspection.

The asbestos inspection was conducted in accordance with protocol requirements of the current: USEPA /AHERA 40CFR763.85 & 40CFR763.86 Appendix C – Subpart E, USEPA – NESHAP 40 CFR61.140; Subpart M, USEPA NESHAP 40 CFR61.145, and Rhode Island Department of Health [216-RICR-50-15-1] asbestos control regulations. The asbestos inspector performed both the visual inspection and bulk sampling in the building according to methods outlined in the U.S. Environmental Protection Agency (EPA) guidance document titled, "Guidance for Controlling Asbestos- Containing Materials in Buildings" (Document No. 560/5-85/024). The Polarized Light Microscopy (PLM) bulk sample analytical results are included in Appendix A.

Bulk samples, representing individual homogenous areas of suspect asbestos containing materials were collected in a randomly distributed manner in accordance with the methods outlined below.

The building materials identified for sampling were divided into three categories, surfacing materials, thermal systems insulation, and miscellaneous materials as required by the EPA, and Rhode Island Department of Health inspection protocols. The following generally illustrates the sampling strategy employed by EEA where feasible:

(a) Surfacing materials - In a randomly distributed manner, collect bulk samples of surfacing materials, representative of each homogeneous area, and not assumed to be ACM.

(1) Collect at least three (3) bulk samples from each homogeneous area that is less than or equal to 1,000 square feet (ft^2).

(2) Collect at least five (5) bulk samples from each homogeneous area that is greater than 1,000 ft^2, but less than or equal to 5,000 ft^2.

(3) Collect at least seven (7) bulk samples from each homogeneous area that is greater than 5,000 ft^2.

(b) Thermal systems insulation –

(1) In a randomly distributed manner, collect at a minimum, three (3) bulk samples of thermal systems insulation material, representative of each homogeneous area, and not assumed to be ACM.

(2) Collect, at a minimum, one (1) bulk sample of patched thermal systems insulation, representative of each homogenous area, and not assumed to be ACM, providing the section of patch was less than six (6) linear or square feet.

(3) Collect, at a minimum, three (3) representative bulk samples of each insulated mechanical system not assumed to be ACM, including, but not limited to cementitious material used on pipe fittings such as tees, elbows, or valves. Representative sampling was conducted in a manner sufficient as to identify whether each homogenous area is either asbestos or non-asbestos containing.

(4) Bulk samples are not required to be collected from any homogeneous area where the accredited asbestos inspector has determined that the thermal systems insulation is a non-suspect material (i.e., fiberglass, foam glass, rubber, or any other non-ACM).

(c) Miscellaneous materials - Collect, at a minimum, two (2) representative bulk sample of each miscellaneous material not assumed to be ACM, including, but not limited to ceiling tiles, floor tiles, associated floor tile mastic, floor leveling concrete, waterproofing, etc. Representative sampling was conducted in a manner sufficient as to identify whether each homogenous area is either asbestos or non-asbestos containing.

Materials making up an apparent homogenous application were treated as a single material type. Based on these sampling protocols, each separate homogenous building material was identified, sampled and analyzed for identification purposes.

Bulk samples of friable and non-friable suspect materials were analyzed by EMSL Analytical Inc. by means of the EPA-approved polarized light microscopy with dispersion staining (PLM/DS) method using the visual estimation technique for asbestos quantification. EMSL Analytical Inc. is fully accredited for bulk sample analysis under the National Voluntary Laboratory Accreditation Program (NVLAP), administered by the National Institute of Standards and Technology, and is also licensed by the Rhode Island DOH (License No. PLM00139). Bulk samples were analyzed for asbestos content using EPA Method 600/R-93/116. The visual estimation technique was used to quantify asbestos concentrations. The PLM/DS analytical method is modeled after 40 CFR Part 763, Subpart F, Appendix A: "Interim Method for the Determination of Asbestos in Bulk Insulation Samples".

Friable samples initially determined to visually contain an asbestos content of 1% - ≤10%, based on the analysist's best judgment following PLM/DS analysis and examination with a stereoscope are typically reanalyzed using EPA 400 point count method to confirm the sample(s) asbestos content. This service was not conducted for this inspection report but can be provided for an additional fee if requested and approved by the owner / project management team.

The following itemized list (**Table – 1**) defines all materials tested during the inspection, Final test lab results / reports can be found in Appendix - B, of this report. Note that an ACM is defined by the RIDOH as any material or product containing greater than one percent (> 1%) asbestos by weight.

The inspection scope was limited to accessible materials associated with the planned demolition of the structure.

EXCLUSIONS: The inspection **did not:**

- *Sample roofing materials at the exterior roof area(s),*
- *Disassemble mechanical equipment for inspection / testing,*
- *Inspect electrical systems or panels for inspection / testing,,*
- *Perform extensive exploratory demolition for materials located within wall cavities and/or utility mechanical chases,*
- *Inspect internal areas of HVAC equipment or ductwork,*
- *Inspect internal areas of walls or ceilings.*

The following table presents a list of the identified, confirmed ACMs in the building, based upon laboratory analysis of samples. Note that an asbestos containing material is defined by the RIDOH as any material or product containing greater than one percent (> 1%) asbestos by weight.

TABLE – 1

Homogenous Group / Material Sample Identification	*EMSL Report #:*	*Material / Description*	**Material / Sample Location*	*Asbestos Content*
210921-HA1-1	#132108580	9" X 9" VCT / Lt. Brown	Interior; Basement @ #012	**6% Chrysotile**
210921-HA1-2	#132108580	9" X 9" VCT / Lt. Brown	Interior; First Floor @ #107	**PS**
210921-HA1-3	#132108580	9" X 9" VCT / Lt. Brown	Interior; Second Floor @ #206	**PS**
210921-HA2-1	#132108580	Vinyl Floor Tile Glue / Black	Interior; Basement @ #012	NAD
210921-HA2-2	#132108580	Vinyl Floor Tile Glue / Black	Interior; First Floor @ #107	NAD
210921-HA2-3	#132108580	Vinyl Floor Tile Glue / Black	Interior; Second Floor @ #206	NAD

210921-HA3-1	#132108580	Floor Leveling Base Concrete / White	Interior; First Floor @ # 107	**2% Chrysotile**
210921-HA3-2	#132108580	Floor Leveling Base Concrete / White	Interior; First Floor @ #109	**PS**
210921-HA3-3	#132108580	Floor Leveling Base Concrete / White	Interior; Second Floor @ #206	**PS**
210921-H3-4	#132108580	Floor Leveling Base Concrete / White	Interior; Second Floor @ #201	**PS**
210921-HA4-1	#132108580	1' X 1' VCT / Light Brown	Interior; First Floor #105 @ #107	NAD
210921-HA4-2	#132108580	1' X 1' VCT / Light Brown	Interior; First Floor @ #108	NAD
210921-HA5-1	#132108580	1' X 1' VCT Glue @ HA4 / Black	Interior; First Floor #105 @ #107	**4% Chrysotile**
210921-HA5-2	#132108580	1' X 1' VCT Glue @ HA4 / Black	Interior; First Floor @ #108	**PS**
210921-HA6-1	#132108580	1' X 1' VCT / Yellow - Tan	Interior; First Floor @ #109	NAD
210921-HA6-2	#132108580	1' X 1' VCT / Yellow - Tan	Interior; First Floor @ #105	NAD
210921-HA7-1	#132108580	1' X 1' VCT Glue @ HA6 / Black	Interior; First Floor @ #109	**6% Chrysotile**
210921-HA7-2	#132108580	1' X 1' VCT Glue @ HA6 / Black	Interior; First Floor @ #105	**PS**
210921-HA8-1	#132108580	1' X 1' VCT / White w/ Blue	Interior; Basement @ #007	NAD
210921-HA8-2	#132108580	1' X 1' VCT / White w/ Blue	Interior; Basement @ #009	NAD
210921-HA9-1	#132108580	1' X 1' VCT / Purple	Interior; Basement @ #007	NAD
210921-HA9-2	#132108580	1' X 1' VCT / Purple	Interior; Basement @ #009	NAD
210921-HA10-1	#132108580	1' X 1' VCT Glue @ HA8 & HA9 / Black	Interior; Basement @ #007	NAD

210921-HA10-2	#132108580	1' X 1' VCT Glue @ HA8 & HA9 / Black	Interior; Basement @ #009	NAD
210921-HA11-1	#132108580	Thermal Pipe Insulation – Brown Paper (2 Part Application)	Interior; Basement @ #018	NAD
210921-HA11-1	#132108580	Thermal Pipe Insulation – Grey Paper (2 Part Application)	Interior; Basement @ #018	**80% Chrysotile**
210921-HA11-2	#132108580	Thermal Pipe Insulation – Brown Paper (2 Part Application)	Interior; Basement @ #009	NAD
210921-HA11-2	#132108580	Thermal Pipe Insulation – Grey Paper (2 Part Application)	Interior; Basement @ #009	**PS**
210921-HA12	#132108580	Mud Thermal Pipe Insulation @ Pipe Elbow / Tan - White	Interior; Basement @ #018	**15% Chrysotile**
210921-HA13-1	#132108580	(2 Part) Thermal Pipe Insulation / Tan Paper	Interior; Basement @ #018	**75% Chrysotile**
210921-HA14-1	#132108580	(2 Part) Thermal Pipe Insulation / Black Paper	Interior; Basement @ #018	NAD
210921-HA15-1	#132108580	Mud Thermal Pipe Insulation @ Elbow (@ Brown Insulated Pipe)	Interior; Basement @ #009	**30% Chrysotile**
210921-HA16-1	#132108580	Air-cell Thermal Pipe Insulation / Grey	Interior; Basement @ #007	**75% Chrysotile**
210921-HA17-1	#132108580	Insulation on Elbow (Air-Cell Insulated Pipe)	Interior; Basement @ #007	**30% Chrysotile**
210921-HA18-1	#132108580	Mud Thermal Pipe Insulation (Debris)	Interior; Basement @ #019	NAD

210921-HA19-1	#132108580	Canvas Flex Duct Connector @ HVAC Ductwork / Grey	Interior; Basement @ #018	**65% Chrysotile**
210921-HA19-2	#132108580	Canvas Flex Duct Connector @ HVAC Ductwork / Grey	Interior; Basement @ #018	**PS**
210921-HA20-1	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; First Floor @ #108A	NAD
210921-HA20-2	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; First Floor @ #109	NAD
210921-HA20-3	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; First Floor @ #116	NAD
210921-HA20-4	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; First Floor @ #105	NAD
210921-HA20-5	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; First Floor @ #100	NAD
210921-HA20-6	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; Second Floor @ #200	NAD
210921-HA20-7	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; Second Floor @ #210	NAD
210921-HA20-8	#132108580	Skim Plaster Layer @ Wood Lath / White	Interior; Second Floor @ #209	NAD
210921-HA21-1	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; First Floor @ #108A	NAD
210921-HA21-2	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; First Floor @ #109	NAD
210921-HA21-3	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; First Floor @ #116	NAD
210921-HA21-4	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; First Floor @ #105	NAD
210921-HA21-5	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; First Floor @ #100	NAD

210921-HA21-6	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; Second Floor @ #200	NAD
210921-HA21-7	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; Second Floor @ #210	NAD
210921-HA21-8	#132108580	Base Plaster Layer @ Wood Lath / Grey	Interior; Second Floor @ #209	NAD
210921-HA22-1	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; First Floor @ #114	NAD
210921-HA22-2	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; First Floor @ #115	NAD
210921-HA22-3	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; First Floor @ #107 East	NAD
210921-HA22-4	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; First Floor @ #105	NAD
210921-HA22-5	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; First Floor @ #106	NAD
210921-HA22-6	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; Second Floor @ #206	NAD
210921-HA22-7	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; Second Floor @ #204	NAD
210921-HA22-8	#132108580	Skim Plaster Layer @ Metal Lath / White	Interior; Second Floor @ #205	NAD
210921-HA23-1	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; First Floor @ #114	NAD
210921-HA23-2	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; First Floor @ #115	NAD
210921-HA23-3	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; First Floor @ #107 East	NAD
210921-HA23-4	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; First Floor @ #105	NAD

210921-HA23-5	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; First Floor @ #106	NAD
210921-HA23-6	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; Second Floor @ #206	NAD
210921-HA23-7	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; Second Floor @ #204	NAD
210921-HA23-8	#132108580	Base Plaster Layer @ Metal Lath / Grey	Interior; Second Floor @ #205	NAD
210921-HA24-1	#132108580	4" Vinyl Cove Molding / Brown	Interior; First Floor @ #114	NAD
210921-HA24-2	#132108580	4" Vinyl Cove Molding / Brown	Interior; First Floor @ #109	NAD
210921-HA24-3	#132108580	4" Vinyl Cove Molding / Brown	Interior; First Floor @ #108	NAD
210921-HA25-1	#132108580	Glue @ 4" Brown Vinyl Cove Molding	Interior; First Floor @ #114	NAD
210921-HA25-2	#132108580	Glue @ 4" Brown Vinyl Cove Molding	Interior; First Floor @ #109	NAD
210921-HA25-3	#132108580	Glue @ 4" Brown Vinyl Cove Molding	Interior; First Floor @ #108	NAD
210921-HA26-1	#132108772	Caulk @ Exterior Metal Window Frame / Brown	Exterior / Second Floor – Room #204	NAD
210921-HA26-2	#132108772	Caulk @ Exterior Metal Window Frame / Brown	Exterior / Second Floor – Room #210	NAD
210921-HA26-3	#132108772	Caulk @ Exterior Metal Window Frame / Brown	Exterior / Second Floor – Room #209	NAD
210921-HA27-1	#132108772	Caulk @ Exterior Wood Window Frame / White	Exterior / Second Floor / Room #204	**5% Chrysotile**
210921-HA27-2	#132108772	Caulk @ Exterior Wood Window Frame / White	Exterior / Second Floor / Room #210	**PS**
210921-HA27-3	#132108772	Caulk @ Exterior Wood Window Frame / White	Exterior / First Floor @ #100	**PS**

210921-HA27-4	#132108772	Caulk @ Exterior Wood Window Frame / White	Exterior / First Floor @ #109	**PS**
210921-HA27-5	#132108772	Caulk @ Exterior Wood Window Frame / White	Exterior / Basement @ #013	**PS**
210921-HA27-6	#132108772	Caulk @ Exterior Wood Window Frame / White	Exterior / Basement @ #016	**PS**
210921-HA27-7	#132108772	Caulk @ Exterior Wood Window Frame / White	Exterior / Basement @ #017	**PS**
210921-HA28-1	#132108772	Caulk @ Exterior Wood Window Frame / Grey	Exterior / Basement @ #013	NAD
210921-HA28-2	#132108772	Caulk @ Exterior Wood Window Frame / Grey	Exterior / Basement @ #016	NAD
210921-HA28-3	#132108772	Caulk @ Exterior Wood Window Frame / Grey	Exterior / Basement @ #017	NAD
210921-HA29-1	#132108772	Silver Paint @ HVAC Ductwork	Interior / Basement @ #018	NAD
210921-HA29-2	#132108772	Silver Paint @ HVAC Ductwork	Interior / Basement @ #018	NAD
210921-HA29-3	#132108772	Silver Paint @ HVAC Ductwork	Interior / Basement @ #005	NAD
210921-HA30-1	#132108923	Ceramic - Stone Floor Tile / Tan-Grey	Interior / Basement @ #005	NAD
210921-HA30-2	#132108923	Ceramic - Stone Floor Tile / Tan-Grey	Interior / Basement @ #003	NAD
210921-HA30-3	#132108923	Ceramic - Stone Floor Tile / Tan-Grey	Interior / Basement @ #004	NAD
210921-HA31-1	#132108923	Un-sanded Grout @ Floor Tile / Grey	Interior / Basement @ #005	NAD
210921-HA31-2	#132108923	Un-sanded Grout @ Floor Tile / Grey	Interior / Basement @ #003	NAD

210921-HA31-3	#132108923	Un-sanded Grout @ Floor Tile / Grey	Interior / Basement @ #004	NAD
210921-HA32-1	#132108923	Base Concrete @ Floor / White	Interior / Basement @ #005	NAD
210921-HA32-2	#132108923	Base Concrete @ Floor / White	Interior / Basement @ #003	NAD
210921-HA32-3	#132108923	Base Concrete @ Floor / White	Interior / Basement @ #004	NAD
210921-HA33-1	#132108923	Ceramic Wall Tile	Interior / Basement @ #005	NAD
210921-HA33-2	#132108923	Ceramic Wall Tile	Interior / Basement @ #003	NAD
210921-HA33-3	#132108923	Ceramic Wall Tile	Interior / Basement @ #004	NAD
210921-HA34-1	#132108923	Un-sanded Grout @ Wall Tile / Grey	Interior / Basement @ #005	NAD
210921-HA34-2	#132108923	Un-sanded Grout @ Wall Tile / Grey	Interior / Basement @ #003	NAD
210921-HA34-3	#132108923	Un-sanded Grout @ Wall Tile / Grey	Interior / Basement @ #004	NAD
210921-HA35-1	#132108923	Base Grout @ Wall Tile / Grey	Interior / Basement @ #005	NAD
210921-HA35-2	#132108923	Base Grout @ Wall Tile / Grey	Interior / Basement @ #003	NAD
210921-HA35-3	#132108923	Base Grout @ Wall Tile / Grey	Interior / Basement @ #004	NAD
210921-HA36-1	#132108923	Skim Plaster – White @ Ceiling Plaster	Interior / Basement @ #005	NAD
210921-HA36-2	#132108923	Skim Plaster – White @ Ceiling Plaster	Interior / Basement @ #003	NAD

210921-HA36-3	#132108923	Skim Plaster – White @ Ceiling Plaster	Interior / Basement @ #004	NAD
210921-HA37-1	#132108923	Base Plaster – Grey @ Ceiling Plaster	Interior / Basement @ #005	NAD
210921-HA37-2	#132108923	Base Plaster – Grey @ Ceiling Plaster	Interior / Basement @ #003	NAD
210921-HA37-3	#132108923	Base Plaster – Grey @ Ceiling Plaster	Interior / Basement @ #004	NAD

- *NAD = No Asbestos Detected*
- *PS = Positive Stop Analysis*

III. FINDINGS:

Upon completion of the survey and sample analysis as defined by Section II of the enclosed report, it has been determined that select building materials throughout the interior and exterior of the structure has been determined to contain asbestos as defined by current RIDOH asbestos control regulation [216-RICR-50-15-1].

Refer to **Section III / Table – 2** of this section for all materials **documented** to contain asbestos. Refer to **Section III / Table – 3** of this section for all materials **presumed** to contain asbestos based on limitations on current scope of work and inaccessibility of the presumed material at this time. Please refer to **Section 1** of this report for an itemized list of all building material(s) (homogenous areas) tested to date.

TABLE – 2:

Homogenous Group	*ACM Material / Description*	*Approximate Material Location*	*Asbestos Content*
*HA1, **HA2,** HA3, HA5, HA7 & **HA10.**	Vinyl Floor Tile, Vinyl Floor Tile Glue(s) & Associated Concrete Floor Leveler	*Basement, First and Second Floor Areas, throughout structure.	**2% - 8% Chrysotile / PACM**

HA11, HA12, HA13, HA15, HA16 & HA17	Thermal Pipe Insulation Materials	Basement, First and Second Floor Areas, throughout structure.	**15 % - 75% Chrysotile**
HA19	Canvas Flex-Duct Connector @ HVAC Ductwork	Basement Area	**65% Chrysotile**
HA26 & HA27	"White / Tan" Caulk @ Wood Window Frame(s) Any removal of window or door systems should be conducted with the assumption that the existing caulk at wood window fr	Basement, First and Second Floor Areas, throughout structure.	**6% Chrysotile**

Initial inspection testing data has reported inconsistent results for the presence of asbestos in glue materials that appear to be homogenous in appearance. Based on the inability to report with certainty where ACM and Non ACM glue materials may be present based on a visual observation, this report will document that all known materials that are homogenous in appearance as asbestos containing (i.e. HA1, **HA2, HA3, HA5, HA7 & **HA10,** building materials).*

TABLE – 3:

PACM Material / Description	***Approximate Material Location***	***Asbestos Content***
Gaskets, Packings	*Basement – Boilers @ Basement – Room #.	**PACM**

Also, refer to section(s) IV & V of this report for survey restrictions and recommendations regarding the results of the inspection(s) and testing to date, within the structure.

IV. SURVEY RESTRICTIONS:

Inspection scope and analytical testing as documented in this report was limited to the identification and reporting of accessible asbestos containing building materials only. Testing, identification and detection for any other material and/or hazardous substance (i.e. Lead, Mold, PCB, etc.) was not conducted and should not be inferred to be inclusive in this report.

The finding(s) and recommendation(s) sections of this report was limited to only building materials as sampled and identified within the bulk sample information **Section II / TABLE – 1** , **Section III / TABLE – 2** & **Section III / TABLE – 3** of this report. This inspection (testing) only addressed accessible interior and exterior building materials as accessible at the time of the inspection and as may be impacted by the scheduled renovation (as defined by Section I of this report).

Please be advised that additional building materials that contain asbestos may be present and discovered during the current or future renovation / renovation operations within the structure, and may have not been addressed within this report due to the inaccessibility of the material(s) during the initial inspection process or determined outside the scope of work for this project as defined by **Section I** of this report:

These additional building materials may include but not limited to:

- ***Building materials applied within the interstitial areas of the interior and exterior wall and ceiling surface area(s),***
- ***Building materials that are not applied in a homogenous application to building materials as tested (to date),***
- ***Building materials that area outside the scope of work for this project as defined by Section I of this report,***
- ***Any/all site conditions defined as EXCLUSIONS in section II of this report.***

Based on the limits of the asbestos inspection, Please be advised, additional sampling shall be required in the future, to satisfy current USEPA / AHERA; 40 CFR Part 763; Subpart E, RIDOH asbestos control regulations [216-RICR-50-15-1], EPA / NESHAP 40 CFR part 61; Subpart M, and OSHA [29 CFR 1926.1101] asbestos regulations, which **requires** testing of all building materials (for the presence of asbestos) prior to the start of any renovation or demolition activities (or testing of previously enclosed materials upon discovery).

V. RECOMMENDATIONS:

The asbestos inspection as conducted by EEA to date for this project, has identified materials within **Section III / Table – 2** & **Section III / Table – 3** of this report as asbestos containing building materials as defined by the current Rhode Island – Department of Health asbestos control regulation [216-RICR-50-15-1].

If it is determined that any/all building materials as defined by **Section III/ Table-2** or **Section III/ Table-3** of this report will require impact by demolition or renovation work operation(s) with a quantity of equal to or greater than ten (10) linear feet or twenty five (25) square feet - it is our obligation to inform you that these materials and its removal must only be conducted by a RIDOH licensed asbestos removal contractor per current work requirements of RIDOH asbestos regulation [216-RICR-50-15-1]. Also, the removal work must only be done in association with a specification (work plan) as designed by a RIDOH asbestos project designer and approved by the RIDOH, prior to the start of any work. All other work [removal of ten (10) linear feet or twenty-five (25) square feet or less] may be done as a spot repair as defined by section 1.15 of the current RIDOH asbestos control regulation [216-RICR-50-15-1].

Also, please be advised that this asbestos inspection report is limited to only building materials sampled and identified within **Section II / Table – 1** and the bulk sample information (Appendix-B), sections of this report. If during the scheduled renovation / demolition operations, building materials are deemed subject for disturbance that are not sampled or identified within this report, or discovered during a renovation work operation, it is the responsibility of the building owner and/or the contractor conducting the renovation / demolition to assume these additional building materials to contain asbestos or test these materials to comply with the current RIDOH asbestos control regulation [216-RICR-50-15-1], EPA / NESHAP 40 CFR Part 61; Subpart A & M and OSHA [29 CFR 1926.1101] asbestos regulations prior to impact.

If any additional building materials are presumed or determined to contain asbestos (via. polarized light microscopy) outside the findings of this report, it is our recommendation that these materials be handled by a licensed Rhode Island; Department of Health licensed asbestos contractor in accordance with the requirements of an asbestos mitigation plan as designed by a RIDOH licensed asbestos project designer and approved in writing by the Rhode Island – Department of Health.

VI. PHOTOGRAPH:

Photograph – 1: *Photo depicts the stricture as scheduled for planned renovation.*

VI. PHOTOGRAPH:

Photograph – 2: *Photo depicts the typical application of asbestos caulk at window and door frames throughout the structure.*

VI. PHOTOGRAPH:

Photograph – 3: *Photo depicts the typical application of asbestos caulk at window and door frames throughout the structure.*

VI. PHOTOGRAPH:

Photograph – 4: *Photo depicts the typical application of asbestos caulk at window and door frames throughout the structure. Asbestos caulk is applied to the wood window frames enclosed behind the existing metal double hung windows. The removal of metal windows cannot be done without impact to the existing caulk at the wood window frames throughout*

VI. PHOTOGRAPH:

Photograph – 5: *Photo depicts the typical application of asbestos vinyl flooring and associated glue throughout the structure, as scheduled for planned renovation.*

VI. PHOTOGRAPH:

Photograph – 6: *Photo depicts the typical application of asbestos vinyl flooring and associated glue throughout the structure, as scheduled for planned renovation.*

VI. PHOTOGRAPH:

Photograph – 7: *Photo depicts the typical application of asbestos concrete floor leveler existing or assumed to be existing at all floor surface areas throughout the structure, as scheduled for planned renovation.*

VI. PHOTOGRAPH:

Photograph – 8: *Photo depicts the typical application of asbestos thermal pipe insulation as applied to plumbing / heating systems throughout the Basement area of the structure, as scheduled for planned renovation.*

VI. PHOTOGRAPH:

Photograph – 9: *Photo depicts the existing boilers within the structure. These boilers are assumed to contain asbestos gasketing and packings. Additional investigation of the boilers should be conducted prior to removal.*

REPORT END