UEC universal environmental consultants

October 2, 2025

Mr. Kenneth Pacheco
Chief Operations Officer
Fall River Public Schools
360 Elsbree Street
Fall River, MA 02720

Reference: **Asbestos Abatement Window Project**
Resiliency Elementary School, Fall River, MA

Dear Mr. Pacheco:

Thank you for providing Universal Environmental Consultants (UEC) with the opportunity to serve your environmental needs.

Enclosed please find the air samples results for the asbestos abatement project at the Resiliency Elementary School. The scope of work includes the removal of exterior windows with Asbestos Containing Materials (ACM) caulking. The asbestos abatement project is being performed by a Massachusetts licensed asbestos abatement contractor Alpine Environmental.

Windows are being removed per the Department of Environmental Protection Agency (DEP) 310 CMR 7.15, and by the Department of Labor Standards (DLS) 454 CMR 28.

Background air samples analysis indicated airborne fiber concentrations to be much lower than 0.10 fibers per cubic centimeter of (f/cc) as required by the Environmental Protection Agency (EPA) 40 CFR, Part 763 and by the Commonwealth of Massachusetts in 454 CMR 28.

The air samples were collected and analyzed by a Massachusetts licensed project monitor Mr. Thon Suon (AM-900697) using Phase Contrast Microscopy (PCM) in accordance with NIOSH Method 7400.

PCM analysis is a technique used for determinations of airborne particulate aerosols like dust characterizations and enumeration of airborne asbestos fibers. An air sample for PCM analysis is collected on a filter medium which is dissolved during sample preparation so that the collected particulate can then be viewed under the microscope.

PCM is often used for analysis of samples for airborne asbestos fibers. The sample is collected on a mixed cellulose ester membrane (MCEM) filter with a 0.8 mm (micron) pore size. MCEM filter is then cleared with a chemical solution, and the collected fibers are counted under the 400X magnification. **All fibers (regardless of the type)** longer than 5 mm, wider than 0.25 mm and of aspect ratio of 3:1 or greater are **enumerated.** The airborne fiber concentration is obtained from the microscopic count and air sampling data. Therefore, **all fibers** that meet the counting criteria are counted as asbestos fibers.

Please do not hesitate to call our office if you have any questions.

Very truly yours,

Universal Environmental Consultants

Ammar M. Dieb
President

UEC:\225 661.00\Air Sampling Report.DOC

Enclosure

AIR SAMPLING DATA SHEET

Date: 9/29/25 **Project Number:** 225 661.00 **Project Location:** Resiliency School

Work Area: Exterior Windows- West Side **Contractor:** Alpine Environmental

Project Monitor Name[1]: Thon Suon **License Number:** AM900687 **Type of Sampling:** PCM

Project Monitor Signature: **Samples Analysis By[2]:** Thon Suon **License Number:** AM900687

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates			Volume (Liters)	Fibers/Field	Distribution (F/mm²)	Concentration (F/CC)
						Start	Stop	Ave.				
1	B	Decon- West Side	17:15	20:23	188	8	8	8	1504	2/100	2.55	0.001
2	B	Southwest Corner	17:20	20:28	188	8	8	8	1504	3/100	3.82	0.001
3	B	Room 411	17:30	20:38	188	8	8	8	1504	2/100	2.55	0.001
4	B	Room 411B	17:35	20:43	188	8	8	8	1504	4/100	5.10	0.001
5	B	Room 311	17:40	20:48	188	8	8	8	1504	2/100	2.55	0.001
6	B	Room 311B	17:45	20:53	188	8	8	8	1504	1/100	1.27	0.000
7		Field Blank								0/100	0.00	<LOD
8		Field Blank								0/100	0.00	<LOD
4	RS	Room 411B	17:35	20:43	188	8	8	8	1504	2/100	2.55	0.001

Type: **B:** Background; **G:** General Area; **C:** Clearance. (2024)
Flow Rates: **PCM:** Up to 16; **TEM:** Up to 9.5.
Distribution: (Fibers/Field)/0.00785.

Limits: B/G <0.1 f/cc - C: <0.010 f/cc

[1]: I certify that the above samples were collected in accordance with all applicable guidelines.

[2]: I certify that the above samples were analyzed in accordance with all applicable guidelines.

AIR SAMPLING DATA SHEET

Date: 9/30/25 **Project Number:** 225 661.00 **Project Location:** Resiliency School

Work Area: Ext. Windows- West+South Elevation **Contractor:** Alpine Environmental

Project Monitor Name[1]: Thon Suon **License Number:** AM900687 **Type of Sampling:** PCM

Project Monitor Signature: **Samples Analysis By[2]:** Thon Suon **License Number:** AM900687

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates			Volume (Liters)	Fibers/Field	Distribution (F/mm²)	Concentration (F/CC)
						Start	Stop	Ave.				
1	B	Decon- South Side	17:22	20:25	183	9	9	9	1647	3/100	3.82	0.001
2	B	Southeast Corner	17:27	20:30	183	9	9	9	1647	2/100	2.55	0.001
3	B	Room 201	17:37	20:40	183	9	9	9	1647	3/100	3.82	0.001
4	B	Room 201 Bathroom	17:42	20:45	183	9	9	9	1647	2/100	2.55	0.001
5		Field Blank								0/100	0.00	<LOD
6		Field Blank								0/100	0.00	<LOD
3	RS	Room 201	17:37	20:40	183	9	9	9	1647	2/100	2.55	0.001

Type: **B:** Background; **G:** General Area; **C:** Clearance. (2024)
Flow Rates: **PCM:** Up to 16; **TEM:** Up to 9.5.
Distribution: (Fibers/Field)/0.00785.

Limits: B/G <0.1 f/cc - C: <0.010 f/cc

[1]: I certify that the above samples were collected in accordance with all applicable guidelines.

[2]: I certify that the above samples were analyzed in accordance with all applicable guidelines.

AIR SAMPLING DATA SHEET

Date: 10/1/25 **Project Number:** 225 661.00 **Project Location:** Resiliency School

Work Area: Exterior Windows- South Elevation **Contractor:** Alpine Environmental

Project Monitor Name[1]: Thon Suon **License Number:** AM900687 **Type of Sampling:** PCM

Project Monitor Signature: _____ **Samples Analysis By[2]:** Thon Suon **License Number:** AM900687

Sample #	Type B, G, C	Location of Sample	Start Time	Stop Time	Run Time (Total Min)	Flow Rates			Volume (Liters)	Fibers/Field	Distribution (F/mm²)	Concentration (F/CC)
						Start	Stop	Ave.				
1	B	Decon- Southwest Corner	17:20	20:10	170	10	10	10	1700	3/100	3.82	0.001
2	B	South Side	17:25	20:15	170	10	10	10	1700	2/100	2.55	0.001
3	B	Room 405	17:35	20:25	170	10	10	10	1700	3/100	3.82	0.001
4	B	Room 307	17:40	20:30	170	10	10	10	1700	2/100	2.55	0.001
5	B	Room 306	17:45	20:35	170	10	10	10	1700	1/100	1.27	0.000
6	B	Room 305	17:50	20:40	170	10	10	10	1700	2/100	2.55	0.001
7	B	Room 207	17:55	20:45	170	10	10	10	1700	3/100	3.82	0.001
8		Field Blank								0/100	0.00	<LOD
9		Field Blank								0/100	0.00	<LOD
7	RS	Room 207	17:55	20:45	170	10	10	10	1700	2/100	2.55	0.001

Type: **B:** Background; **G:** General Area; **C:** Clearance. (2024)
Flow Rates: **PCM:** Up to 16; **TEM:** Up to 9.5.
Distribution: (Fibers/Field)/0.00785.

Limits: B/G <0.1 f/cc - C: <0.010 f/cc

[1]: **I certify that the above samples were collected in accordance with all applicable guidelines.**

[2]: **I certify that the above samples were analyzed in accordance with all applicable guidelines.**