UEC universal environmental consultants

February 8, 2019

Mr. Aaron Miklosko
Director of Public Works
Deputy Emergency Management Director
Tree Warden
Town of Maynard
195 Main Street
Maynard, MA 01754

Reference: Air Sampling Services at the Green Meadow School, Maynard, MA
Cafeteria

Dear Mr. Miklosko:

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

Enclosed are the air samples results performed at the Green Meadow School Cafeteria.

General area air samples analysis indicated that airborne fiber concentrations were found to be much lower than 0.10 f/cc as required by the Environmental Protection Agency (EPA) 40 CFR, Part 763 and by the Commonwealth of Massachusetts in 453 CMR 6.93, Appendix 3.

The air samples were collected and analyzed by a Massachusetts licensed project monitor Mr. Juan Breton (AM-900630) 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.

Based on the final visual inspection of the floor area and background air sampling, the cafeteria is safe for re-occupancy.

Please insert into the AHERA plan of the school.

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

Very truly yours,

Universal Environmental Consultants

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Ammar M. Dieb
President

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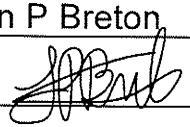
Enclosure

AIR SAMPLING DATA SHEET

Date: 2/7/19 **Project Number:** 219.080.00 **Project Location:** Green Meadow Elementary

Work Area: Cafeteria **Contractor:** N/A

Project Monitor Name[1]: Juan P Breton **License Number:** AM900630 **Type of Sampling:** PCM

Project Monitor Signature:  **Samples Analysis By[2]:** Juan P Breton **License Number:** AM900630

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	G	Cafeteria	23:40	1:00	80	15	15	15	1200	1/100	1.27	<LOD
2	G	Cafeteria	23:42	1:02	80	15	15	15	1200	1/100	1.27	<LOD
3	G	Cafeteria	23:44	1:04	80	15	15	15	1200	1/100	1.27	<LOD
4	G	Cafeteria	23:46	1:06	80	15	15	15	1200	2/100	2.54	<LOD
5		Field blank							0	0/100	0	<LOD
6		Field blank							0	0/100	0	<LOD
3	RS									2/100	2.54	<LOD

Type: **B:** Background; **G:** General Area; **C:** Clearance.
Flow Rates: **PCM:** Up to 16; **TEM:** Up to 9.5.
Distribution: (Fibers/Field)/0.00785. If results less than 7 F/mm², then write < LOD

[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.

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