

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: Construction Monitoring and Air Sampling Services at the Green Meadow School, Maynard, MA

Dear Mr. Miklosko:

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

Enclosed are the air samples results and daily logs compiled during the decontamination project at the Green Meadow School Classroom 3B and Gymnasium. The decontamination project was performed by a Massachusetts licensed asbestos abatement contractor S&S Abatement. Decontamination was performed due to the presence of <1% Asbestos in the wipe sampling performed.

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.

Clearance air samples analysis indicated that airborne fiber concentrations were found to be much lower than 0.010 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.

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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 clearance air sampling Classroom 3B and the Gymnasium are 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

UEC:\219 080.00\Report.DOC

Enclosure

# AIR SAMPLING DATA SHEET

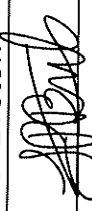
Date: 2/7/19 Project Number: 219.080.00 Project Location: Green Meadow Elementary  
 Work Area: Class room 3B and Gym Contractor: S & S Abatement LLC  
 Project Monitor Name: Juan P Breton License Number: AM900630 Type of Sampling: PCM  
 Project Monitor Signature:  Samples Analysis By: Juan P Breton 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/mm <sup>2</sup> )	Concentration (F/CC)
						Start	Ave.				
1	G	Surrounding class room 3B	18:15	20:00	105	9	9	945	2/100	2.54	<LOD
2	G	Surrounding the Gym	19:20	21:25	125	9	9	1125	2/100	2.54	<LOD
3	C	Inside class room 3B	20:10	21:30	80	15	15	1200	1/100	1.27	<LOD
4	C	Inside class room 3B	20:10	21:30	80	15	15	1200	2/100	2.54	<LOD
5	C	Inside class room 3B	20:10	21:30	80	15	15	1200	2/100	2.54	<LOD
6	C	Inside class room 3B	20:10	21:30	80	15	15	1200	1/100	1.27	<LOD
7	C	Inside class room 3B	20:10	21:30	80	15	15	1200	1/100	1.27	<LOD
8	C	Inside Gym	21:30	22:50	80	15	15	1200	1/100	1.27	<LOD
9	C	Inside Gym	21:30	22:50	80	15	15	1200	2/100	2.54	<LOD
10	C	Inside Gym	21:30	22:50	80	15	15	1200	1/100	1.27	<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/mm<sup>2</sup>, 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.

# AIR SAMPLING DATA SHEET

Date: 2/7/19 Project Number: 219.080.00 Project Location: Green Meadow Elementary  
 Work Area: Class room 3B and the Gym Contractor: S & S Abatement LLC  
 Project Monitor Name: Juan P Breton License Number: AM900630 Type of Sampling: PCM  
 Project Monitor Signature:  License Number: AM900630  
 Samples Analysis By: 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/mm <sup>2</sup> )	Concentration (F/CC)
						Start	Stop Ave.				
11	C	Inside Gym	21:30	22:50	80	15	15	1200	2/100	2.54	<LOD
12	C	Inside Gym	21:30	22:50	80	15	15	1200	1/100	1.27	<LOD
13		Field blank						0	0/100	0	<LOD
14		Field blank						0	0/100	0	<LOD
11	RS								1/100	1.27	<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/mm<sup>2</sup>, 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.

## RESIDENT'S DAILY REPORT

Date: 2/7/19

Location: Green Meadow Elementary School

Project Number: 219.080.00

Contractor: S & S Abatement LLC

Project Monitor Name: Juan P Breton

License Number: AM900630

### Daily Progress:

I arrived at the job site at 5 Tiger Drive Maynard, MA. At the Green Meadow Elementary School.

18:00 I met the asbestos supervisor on site Paul T. Scott with license number AS007475 and expiration date: 02/06/20 from S & S Abatement LLC. The asbestos contractor had two asbestos workers plus one asbestos supervisor on site.

Today it's a full time monitoring job.

The asbestos crew will be doing a full containment in the class room 3B and in the Gym to clean up the floor.

18:10 The asbestos crew started to set up the containment on class room 3B

18:15 The air samples started running surrounding the work area

19:10 The asbestos supervisor request the pre-Abatement for class room 3B and it was approved they covered the windows and doors with two layers of 6-mil plastic, one air filtration unit, a decontamination unit, water and hepa vacuum

19:15 The asbestos supervisor started to clean up the class room 3B while the asbestos workers are setting up the containment in the gym.

## RESIDENT'S DAILY REPORT

Date: 2/7/19

Location: Green Meadow Elementary School

Project Number: 219.080.00

Contractor: S & S Abatement LLC

Project Monitor Name: Juan P Breton

License Number: AM900630

### Daily Progress:

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19:20 Another air samples started running surrounding the gym

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19:50 The asbestos supervisor request the pre-Abatement for the gym and it was approved they covered the windows and doors with two layers of 6-mil plastic, two air filtration units, a decontamination unit, hepa vacuum and water.

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20:00 The asbestos crew started to clean up the work area inside the gym containment

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20:05 The asbestos supervisor request the final visual for the class room 3B and it was approved there was no visible debris.

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20:10 The air clearance started running inside the containment on class room 3B

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21:00 The asbestos crew continued cleaning up the gym containment

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21:25 The asbestos supervisor request the final visual for the gym containment and it was approved there was no visible debris.

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21:30 The final air clearance started running inside the gym containment.

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22:00 The PCM samples came back satisfactory from the class room 3B and the asbestos supervisor was notified.

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The asbestos crew started to tear down the containment in the class room 3B

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## RESIDENT'S DAILY REPORT

Date: 2/7/19

Location: Green Meadow Elementary School

Project Number: 219.080.00

Contractor: S & S Abatement LLC

Project Monitor Name: Juan P Breton

License Number: AM900630

### Daily Progress:

23:10 PCM samples came back satisfactory from the gym containment and  
the asbestos supervisor was notified

The asbestos crew started to tear down the containment from the gym

Everyone left the job site

I left the job site

## PRE-REMOVAL VERIFICATION CHECK LIST

Date: 2/7/19

Location: Green Meadow Elementary

Project Number: 219.080.00

Contractor: S & S Abatement LLC

Project Monitor Name: Juan P Breton

License Number: AM900630

Supervisor Name: Paul T Scott

License Number: AS007475

Class room 3B

ITEM	YES/NO	Comments
Electrical Locked Out	N/A	
HVAC Locked Out	N/A	
Items Removed	Yes	
Critical Barriers Installed	N/A	
Area Cleaned Prior to Poly	Yes	
Negative Air	Yes	
Decontamination Unit	Yes	
Signs in Place	Yes	
Exits Marked	Yes	
Contractor's Logs	Yes	
State Regulations	Yes	

**List Names and License Number of Workers:**

Jason Banville license number:AS901812 expiration date:02:06:20

Michael Kelley license number:AS062037 expiration date: 05/29:19

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## PRE-REMOVAL VERIFICATION CHECK LIST

Date: 2/7/19

Location: Green Meadow Elementary

Project Number: 219.080.00

Contractor: S & S Abatement LLC

Project Monitor Name: Juan P Breton

License Number: AM900630

Supervisor Name: Paul T Scott

License Number: AS007475

Gym

ITEM	YES/NO	Comments
Electrical Locked Out	N/A	
HVAC Locked Out	N/A	
Items Removed	Yes	
Critical Barriers Installed	No	
Area Cleaned Prior to Poly	Yes	
Negative Air	Yes	
Decontamination Unit	Yes	
Signs in Place	Yes	
Exits Marked	Yes	
Contractor's Logs	Yes	
State Regulations	Yes	

**List Names and License Number of Workers:**

Jason Banville license number: AS901812 expiration date: 02/06/20

Michael Kelley license number: AS062037



## FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: 2/7/19

Site Name: Green Meadow Elementary

Containment Location: Class room 3B

Project Number: 219.080.00

Contractor: S & S Abatement LLC

Project Monitor Name: Juan P Breton

License Number: AM900630

Project Monitor Signature: 

Supervisor Signature: 

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	N/A	
Debris Removed	Yes	
Poly Removed	No	
Area Cleaned after Removal of Poly	N/A	Monitor left before tear down
Area Dry	Yes	
Visual Pass or Fail	Pass	
Re-Clean Done	No	
Waste Double Bagged	Yes	
Air Sampling Performed	Yes	
Air Sampling Pass or Fail	Pass	
Final Visual after Pass of Air Sampling	Yes	
Contractor's Logs Signed	Yes	

This form must be completed for each work area.

## FINAL VISUAL INSPECTION VERIFICATION CHECK LIST

Date: 2/7/19

Site Name: Green Meadow Elementary

Containment Location: Gym

Project Number: 219.080.00

Contractor: S & S Abatement LLC

Project Monitor Name: Juan P Breton

License Number: AM900630

Project Monitor Signature: 

Supervisor Signature: 

Scope	Yes-No-N/A	Comments
Floor Clean	Yes	
Piping System Clean	N/A	
Boiler Clean	N/A	
Duct Clean	N/A	
Tank Clean	N/A	
Other Mechanical Systems Clean	N/A	
Debris Removed	Yes	
Poly Removed	No	
Area Cleaned after Removal of Poly	N/A	Monitor left before tear down
Area Dry	Yes	
Visual Pass or Fail	Pass	
Re-Clean Done	No	
Waste Double Bagged	Yes	
Air Sampling Performed	Yes	
Air Sampling Pass or Fail	Pass	
Final Visual after Pass of Air Sampling	Yes	
Contractor's Logs Signed	Yes	

This form must be completed for each work area.