NYC 9/11 Public Portal Document

ATC Associates

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Attn: Mr. Bernard Orlan
N.Y.C. Board of Education
28-11 Queens Plaza North
Long Island City, NY 11101

Fax: (212) 475-4122 **Phone:** (212) 477-8941

Project: PS 89M 201 Warren Street, New York, NY
All Floors, Playground, Roof

Received: 8/19/02 6:00:00 PM
ATC Group #: 8719
Analysis Date: 8/20/02

Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed by EPA 40 CFR Part 763 Final Rule (AHERA)

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
01 8719 -1	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
02 8719 -2	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
03 8719 -3	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
04 8719 -4	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
05 8719 -5	1944.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
06 8719 -6	1944.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
07 8719 -7	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	

ROMAN PEYSAKHOV
Analyzed by:

MICHAEL A. GORYCKI, Ph.D.
Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This reports relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis' accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10875

CITY_21MC100_011256202

NYC-WTC_000340771

NYC 9/11 Public Portal Document

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Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
08 8719 -8	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
09 8719 -9	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
10 8719 -10	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
11 8719 -11	1944.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
12 8719 -12	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
13 8719 -13	1944.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
14 8719 -14	1952.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
15 8719 -15	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
16 8719 -16	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	

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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

CITY_21MC100_011256203

NYC-WTC_000340772

NYC-WTC_000340773

NYC 9/11 Public Portal Document

ATC ASSOCIATES INC.

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

8719 10/19 698-716

TURNAROUND TIME
☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other Rush

PROJECT INFORMATION

1. Client:	2. Project Name:	3. Project #:	4. Project Monitor:	4c. Rotameter Number:
NYC-BOE	P.S 89M	14584-0819	Herant Antonjan	
	2a. Project Address: 201 Warren Street		4a. Air Sampler:	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☒ TEM (0.45 micron MCE)	9. Type
8/19/02	All Floors, Playground Roof	Cassette/Filter Manufacture ____ Lot # ____	Cassette/Filter Manufacture MMI Lot # 02106916	a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☒ Ambient h. ☐ Other ____

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14c. Avg	15. Total Air Vol. (liters)	16. # Fibers/ Fields Minus Blank	17. Fiber Conc. F/CC
17				Field Blank									
18				Field Blank									
01		IN SIDE		Cafeteria	08:30	12:31	241	8.0	8.0	8.0	1928		
02		↓		1st floor Hallway outside cafeteria	08:35	12:36	241	8.0	8.0	8.0	1928		
03			out SIDE	Play Ground - North	08:39	12:41	242	8.0	8.0	8.0	1936		
04			↓	Play Ground - South	08:45	12:47	242	8.0	8.0	8.0	1936		
05		IN SIDE		2nd floor - Auditorium	08:50	12:53	243	8.0	8.0	8.0	1944		
06		↓		3rd floor - Gym	08:56	12:59	243	8.0	8.0	8.0	1944		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By	20. Date	21. Time
I. [signature]	MLowel - ATC	8/19/02	6pm
II.			
III.			

LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: ATC - TEM	23. Date	24. Time
a. Analyzed By: RRay	8/20/02	9:30
b. QC By:		
c. Lab Batch #:		

25. Microscope Make/Serial #
☐ Nikon Labophot 238913
☐ Nikon Labophot 238917
☐ Nikon Labophot 239079

Analysis Methodology
PCM – NIOSH 7400A
TEM – AHERA

26. ATC Project Manager:	27. Results To: Y. Efstathiou Beeper/Phone #'s 646-772-1155	28. Comments:

White – File Yellow – Client/Report Pink – Lab Goldenrod – Field

CITY_21MC100_011256204

NYC-WTC_000340774

NYC 9/11 Public Portal Document

ATC ASSOCIATES INC.

8719

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

TURNAROUND TIME
☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other Rush

PROJECT INFORMATION

1. Client:	2. Project Name:	3. Project #:	4. Project Monitor:	4c. Rotameter Number:
NYC-BOE	P.S 89M	14584-0819	Herant Antonyan	
	2a. Project Address: 201 Warren Street		4a. Air Sampler:	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☒ TEM (0.45 micron MCE)	9. Type
8/19/02	All Floors, Playground, Roof	Cassette/Filter Manufacture ____ Lot # ____	Cassette/Filter Manufacture ____ Lot # ____	a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☒ Ambient h. ☐ Other ____

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location: 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock): 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.): 14a. Start	14b. End	14c. Avg	15. Total Air Vol. (liters)	16. # Fibers/ Fields Minus Blank	17. Fiber Conc. F/CC
19				Field Blank Sealed Blank									
				Field Blank									
07			outside	Roof - Central	09:03	13:05	242	8.0	8.0	8.0	1936		
08		inside		1st floor Hallway outside of Cafeteria	12:36	16:36	240	8.0	8.0	8.0	1920		
09			outside	Play Ground - North	12:41	16:42	241	8.0	8.0	8.0	1928		
10			↓	Play Ground - South	12:47	16:49	242	8.0	8.0	8.0	1936		
11			↓	Roof	13:05	17:08	243	8.0	8.0	8.0	1944		
12		inside		Classroom # 428	13:16	17:17	241	8.0	8.0	8.0	1928		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By	20. Date	21. Time
I. H. Antonyan	Mlouck-ATC	8/19/02	6PM
II.			
III.			

LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: ATC-TEM	23. Date	24. Time
a. Analyzed By: RRy	9/20/02	9:30
b. QC By:		
c. Lab Batch #:		

25. Microscope Make/Serial #
☐ Nikon Labophot 238913
☐ Nikon Labophot 238917
☐ Nikon Labophot 239079

Analysis Methodology
PCM – NIOSH 7400A
TEM – AHERA

26. ATC Project Manager:	27. Results To: Y. Efstathiou Beeper/Phone #'s 646-772-1155	28. Comments:

White – File Yellow – Client/Report Pink – Lab Goldenrod – Field

CITY_21MC100_011256205

ATC ASSOCIATES INC.

8719

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

TURNAROUND TIME
☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
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PROJECT INFORMATION

1. Client: NYC - BOE
2. Project Name: P.S 89M
2a. Project Address: 201 Warren Street
3. Project #: 14584-0819
4. Project Monitor: Heraut Antonyan
4a. Air Sampler:
4c. Rotameter Number:
5. Date: 8/19/02
6. Abatement Location: All Floors, Playground Roof
7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture ____ Lot # ____
8. ☒ TEM (0.45 micron MCE) Cassette/Filter Manufacture ____ Lot # ____
9. Type a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☒ Ambient h. ☐ Other ____

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14c. Avg	15. Total Air Vol. (liters)	16. # Fibers/ Fields Minus Blank	17. Fiber Conc. F/CC
				Field Blank									
				Field Blank									
13		IN SIDE		2nd floor Hallway Southend	13:22	17:25	243	8.0	8.0	8.0	1944		
14		↓		4th floor Hallway Southend	13:26	17:30	244	8.0	8.0	8.0	1952		
15		↓		Classroom # 202	13:50	17:52	242	8.0	8.0	8.0	1936		
16		↓		Classroom # 316	13:55	17:57	242	8.0	8.0	8.0	1936		

CHAIN OF CUSTODY

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I. [signature]	Mhouel - ATC	8/19/02	6PM
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22. Lab Name: ATC - TEM	23. Date	24. Time
a. Analyzed By: RRY	8/20/02	9:30
b. QC By:		
c. Lab Batch #:		

25. Microscope Make/Serial #
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26. ATC Project Manager:

27. Results To: Y. Gjstathiou
Beeper/Phone #'s 646-772-1155

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