

ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306



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

Received: 3/31/02 4:00:00 PM
ATC Group #: 7280
Analysis Date: 3/31/02

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

Project: H.S. Of Economics And Finance

**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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5μ-5	5μ		(S/mm ²)	(S/cc)	
04 7280 -1	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
05 7280 -2	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
06 7280 -3	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
07 7280 -4	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
08 7280 -5	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
09 7280 -6	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
10 7280 -7	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	

MARK 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 report 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 #10879

Page 1 of 3

CONFIDENTIAL,

CITY_21MC100_003459779

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

Attn: Mr. Bernard Orlan
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 28-11 Queens Plaza North
 Long Island City, NY 11101

Received: 3/31/02 4:00:00 PM
 ATC Group #: 7280
 Analysis Date: 3/31/02

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

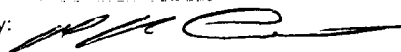
Project: H.S. Of Economics And Finance

**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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5 µ	5µ		(S/mm ²)	(S/cc)	
11 7280 -8	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
12 7280 -9	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
13 7280 -10	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
14 7280 -11	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
15 7280 -12	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
16 7280 -13	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
17 7280 -14	1920.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
18 7280 -15	1936.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	
19 7280 -16	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	

MARK PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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

Page 2 of 3

CONFIDENTIAL,

CITY_21MC100_003459780

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Received: 3/31/02 4:00:00 PM
 ATC Group #: 7280
 Analysis Date: 3/31/02

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

Project: H.S. Of Economics And Finance

**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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
20 7280 -17	1928.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044	

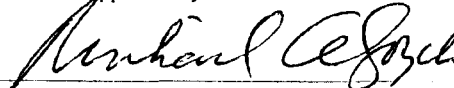
MARK PEYSAKHOV

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 #10879

Page 3 of 3

CONFIDENTIAL,

CITY_21MC100_003459781

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

Analysis Performed By: MARK PEYSAKHOV

	F	B	C	M	>50
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-Identified					

NYC-WTC_000179503

MARK PEYSAKHOV

	F	B	C	M	>5μ
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-Identified					

NYC-WTC_000179507

MARK PEYSAKHOV

	F	B	C	M	>5μ
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-Identified					

NYC-WTC_000179508

Analysis Performed By: [Signature]
MARK PEYSAKHOV

	F	B	C	M	>5μ
Chrysotile					
Amphibole					
Ambiguous					
Non-Asbestos					
Non-Identified					



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of 1

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other PUSH

PROJECT INFORMATION

7280 17/20 82629-82648

1. Client: NYC-BOE		2. Project Name: HSECONOMICS + FINANCE		3. Project #: 4584-865		4. Project Monitor: Kevin		4c. Rotameter Number: 50087	
2a. Project Address: 100 TRINITY PLACE NY NY		3a. Task #: 00001		4a. Air Sampler: Fitzpatrick					
5. Date: 3-31-02		6. Abatement Location: ENTIRE SCHOOL VARIOUS LOCATIONS		7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture _____ Lot # _____		8. ☒ TEM (0.45 micron MCE) Cassette/Filter Manufacture _____ Lot # 98116617		9. Type: a. ☐ Background d. ☐ Post-Abate b. ☐ Pre-Abate e. ☐ OSHA	
								f. ☐ Environmental g. ☒ Ambient h. ☐ Other	

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location			13. Time (24 hrs clock)			14. Flow Rate (L/min.)			15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
		12a. IWA	12b. OWA	12c. Sample Coordinates	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg			
01				Field Blank									
02				Field Blank									
03				open blank									
04				OUTSIDE MAIN ENTRANCE NORTHSIDE OF SIDEWALK.	7:00 AM	11:00 AM	240	8.0	8.0	8.0	1920		
05				OUTSIDE OF AUDITORIUM 1ST FLOOR LOBBY AREA.	7:02 AM	11:02 AM	240	8.0	8.0	8.0	1920		
06				7TH FLOOR STAIRWELL "B" SOUTHSIDE	7:04 AM	11:04 AM	240	8.0	8.0	8.0	1920		
07				EASTSIDE OF ROOF AREA.	7:06 AM	11:06 AM	240	8.0	8.0	8.0	1920		
08				SOUTHSIDE OF AUDITORIUM 1ST FLOOR.	7:09 AM	11:10 AM	241	8.0	8.0	8.0	1928		

CHAIN OF CUSTODY

18. Relinquished By: James Fitzpatrick		19. Received By: Mark Terjesen		20. Date: 3/31/02	21. Time: 4 PM
I					
II					
III					
26. ATC Project Manager: MARK TERJESSEN		27. Result To: _____ Beeper/Phone #'s _____			

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

22. Lab Name: NYC DEP		23. Date: 3/31/02	24. Time: 18:00	25. Microscope Make/Serial #: ☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079
a. Analyzed By: CVR				
b. QC By:				
c. Lab Batch #:				Analysis Methodology PCM - NIOSH 7400A TEM - AHERA
28. Comments:				

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

CONFIDENTIAL,

CITY_21MC100_003459799



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 2 of 2

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other PUSH

PROJECT INFORMATION

1. Client: NYC- BOE 2. Project Name: H.S ECONOMICS + FINANCE 3. Project #: 4584-865 4. Project Monitor: Kevin 4c. Rotameter Number: SP087

2a. Project Address: 100 TRINITY PLACE NY 3a. Task #: 00001 4a. Air Sampler: PHILPATRICK

5. Date: 3-31-02 6. Abatement Location: ENTIRE SCHOOL 7. ☐ PCM (0.8 micron MCE) 8. ☒ TEM (0.45 micron MCE) 9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☒ Ambient h. ☐ Other

Cassette/Filter Manufacture _____ Lot # _____ Cassette/Filter Manufacture _____ Lot # 98116617

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location			13. Time (24 hrs clock)			14. Flow Rate (L/min.)			15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
		12a. IWA	12b. OWA	12c. Sample Coordinates	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
				Field Blank									
				Field Blank									
09				9 TH FLOOR HALLWAY OUTSIDE OF MENS ROOM	7 ¹¹ AM	11 ¹² AM	241	8.0	8.0	8.0	1928		
10				8 TH FLOOR TEACHERS LOUNGE RM 801	7 ¹⁴ AM	11 ¹⁶ AM	242	8.0	8.0	8.0	1936		
11				7 TH FLOOR HALLWAY NEXT TO ROOM 703.	7 ¹⁷ AM	11 ¹⁷ AM	240	8.0	8.0	8.0	1920		
12				6 TH FLOOR WESTSIDE OF CLASSROOM 604.	7 ²¹ AM	11 ²¹ AM	240	8.0	8.0	8.0	1920		
13				5 TH FLOOR HALLWAY NEXT TO CLASSROOM 503	7 ²⁴ AM	11 ²⁵ AM	241	8.0	8.0	8.0	1920		
14				4 TH FLOOR CLASSROOM 405 SOUTH SIDE	7 ²⁷ AM	11 ²⁷ AM	240	8.0	8.0	8.0	1920		

CHAIN OF CUSTODY

18. Relinquished By: Kevin Thayer 19. Received By: MTJ 20. Date: 3.31.02 21. Time: 4PM

I Kevin Thayer
 II MTJ
 III

26. ATC Project Manager: MARK FERGUSON 27. Result To: _____
 Beeper/Phone #'s: _____

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

22. Lab Name: ATC ELAP 23. Date: 3/31 24. Time: 18:00

a. Analyzed By: MTJ b. QC By: _____ c. Lab Batch #: _____

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

28. Comments: _____

Analysis Methodology
 PCM - NIOSH 7400A
TEM - AHERA

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

CONFIDENTIAL,

CITY_21MC100_003459800



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 3 of 3

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other PSH

PROJECT INFORMATION

1. Client: NYC- BOE 2. Project Name: H. SECONIMICST FINANCE 3. Project #: 19554-865 4. Project Monitor: Kevin Fitzpatrick 4c. Rotameter Number: SD087

2a. Project Address: 100 TRINITY PLACE 3a. Task #: 00001 4a. Air Sampler: Fitzpatrick

5. Date: 3-31-02 6. Abatement Location: ENTIRE SCHOOL VARIOUS LOCATIONS 7. ☐ PCM (0.8 micron MCE) 8. ☒ TEM (0.45 micron MCE) 9. Type: c. ☐ Abatement f. ☐ Environmental
 Cassette/Filter Manufacture _____ Cassette/Filter Manufacture _____ a. ☐ Background d. ☐ Post-Abate g. ☒ Ambient
 Lot # _____ Lot # 9811667 b. ☐ Pre-Abate e. ☐ OSHA h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location			13. Time (24 hrs clock)			14. Flow Rate (L/min.)			15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
		12a. IWA	12b. OWA	12c. Sample Coordinates	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
				Field Blank									
				Field Blank									
15				3 RD FLOOR Hallway outside of classroom 303	7:31 AM	11:32 AM	241	8.0	8.0	8.0	1928		
16				SOUTH SIDE OF CAFETERIA 8 TH FLOOR	7:35 AM	11:35 AM	240	8.0	8.0	8.0	1920		
17				OUTSIDE OF MAIN ENTRANCE NORTH SIDE OF SIDEWALK	11:42 AM	3:42 PM	240	8.0	8.0	8.0	1920		
18				OUTSIDE OF AUDITORIUM 1 ST FLOOR LOBBY AREA	11:44 AM	3:46 PM	242	8.0	8.0	8.0	1936		
19				7 TH FLOOR STAIRWELL B SOUTH SIDE	11:46 AM	3:47 PM	241	8.0	8.0	8.0	1928		
20				EAST SIDE OF ROOF AREA	11:48 AM	3:49 PM	241	8.0	8.0	8.0	1928		

CHAIN OF CUSTODY

18. Relinquished By: Kevin Fitzpatrick 19. Received By: NI 20. Date: 3.31.2 21. Time: 4 PM

II

III

26. ATC Project Manager: MARK TERPESSEN 27. Result To: _____
 Beeper/Phone #'s: _____

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

22. Lab Name: _____ 23. Date: _____ 24. Time: _____

a. Analyzed By: _____

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

28. Comments: _____

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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CITY_21MC100_003459801