NYC 9/11 Public Portal Document

ATC Associates

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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

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

Project: 90 Trinity Place, NY, NY
100 Trinity Place, New York, NY

Received: 4/13/02 5:30:00 PM
ATC Group #: 7407
Analysis Date: 4/14/02

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
03 *7407 -1*	1680.00	0.0562	0	None Detected	0	0	0.0041	<17.79	<0.0041	
04 *7407 -2*	1680.00	0.0562	0	None Detected	0	0	0.0041	<17.79	<0.0041	
05 *7407 -3*	1680.00	0.0562	0	None Detected	0	0	0.0041	<17.79	<0.0041	
06 *7407 -4*	1680.00	0.0562	0	None Detected	0	0	0.0041	<17.79	<0.0041	
07 *7407 -5*	1688.00	0.0562	0	None Detected	0	0	0.0041	<17.79	<0.0041	
08 *7407 -6*	1696.00	0.0562	0	None Detected	0	0	0.0040	<17.79	<0.0040	
09 *7407 -7*	1760.00	0.0450	0	None Detected	0	0	0.0049	<22.24	<0.0049	

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 #10879

CONFIDENTIAL, CITY_21MC100_003460091

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000257516

NYC 9/11 Public Portal Document

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: 90 Trinity Place, NY, NY
100 Trinity Place, New York, NY

Received: 4/13/02 5:30:00 PM
ATC Group #: 7407
Analysis Date: 4/14/02

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*	*5μ*	*Analytical Sensitivity (S/cc)*	*Asbestos Concentration (S/mm²)*	*(S/cc)*	*Notes*
10 *7407 -8*	1784.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
11 *7407 -9*	1792.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 *7407 -10*	1792.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
13 *7407 -11*	1792.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	

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 #10879

CONFIDENTIAL, CITY_21MC100_003460092

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000257517

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	**Volume (liters):**	1680
Lab Group #:	7407	**Filter Type / Filter Area:**	MCE 385 mm²
Lab Sample #:	1	**Grid Opening Size:**	0.01124
Client Sample #:	03	**Area Examined:**	0.0562 mm²
GRID BOX:	1035	**Magnification:**	20,000
GRID ID:	5EA	**Accelerating Voltage:**	100 KeV
# Grid Openings:	5	**Analysis Date:**	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO.		Structure	Structure Type				Length		ID of Structure N or √				EDS
No	Coord	No	F	B	C	M	>=05 µ <5µ	>=5µ	Chrys	Amphibole	Nonasb	Ambig/ND	(Nonadb Elements)
1	02	NSD											
2	J2	"											
3	E2	"											
4	I2	"											
5	P2	"											

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	**Volume (liters):**	1680
Lab Group #:	7407	**Filter Type / Filter Area:**	MCE 385 mm²
Lab Sample #:	2	**Grid Opening Size:**	0.01124
Client Sample #:	04	**Area Examined:**	0.0562 mm²
GRID BOX:	1833	**Magnification:**	20,000
GRID ID:	5263	**Accelerating Voltage:**	100 KeV
# Grid Openings:	5	**Analysis Date:**	4/13/02

Analysis Performed By: ROMAN PEYSAKHOV

GO. No	GO. Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	Length >=5µ	ID of Structure N or √ Chrys	Amphibole	Nonasb	Ambig/ND	EDS (Nonadb Elements)
57 1	X2	NSD											
2	Q2	11											
3	J2	11											
4	I2	11											
5	P2	11											
6B													

Struct = > 0.5µ _> 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

CONFIDENTIAL, CITY_21MC100_003460094

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000257519

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	Volume (liters):	1680
Lab Group #:	7407	Filter Type / Filter Area:	MCE 385 mm²
Lab Sample #:	3	Grid Opening Size:	0.01124
Client Sample #:	05	Area Examined:	0.0562 mm²
GRID BOX:	1033	Magnification:	20,000
GRID ID:	6DF	Accelerating Voltage:	100 KeV
# Grid Openings:	5	Analysis Date:	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

6D

6F

GO		Structure No	Structure Type				Length		ID of Structure N or √				EDS (Nonadb Elements)
No	Coord		F	B	C	M	>=05 µ <5µ	>=5µ	Chrys	Amphibole	Nonasb	Ambig/ND	
1	I2	NSD											
2	P2	4											
3	V2	4											
4	J2	0											
5	Q2	0											

Struct = > 0.5µ .> 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC-WTC_000257520

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	Volume (liters):	1680
Lab Group #:	7407	Filter Type / Filter Area:	MCE 385 mm²
Lab Sample #:	4	Grid Opening Size:	0.01124
Client Sample #:	06	Area Examined:	0.0562 mm²
GRID BOX:	1833	Magnification:	20,000
GRID ID:	6HJ	Accelerating Voltage:	100 KeV
# Grid Openings:	5	Analysis Date:	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO. No	GO. Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	Length >=5µ	ID of Structure √ or √ Chrys	Amphibole	Nonasb	Ambig/ND	EDS (Nonadb Elements)
6H 1	V2	NSD											
2	P2	4											
3	I2	4											
4	J2	11											
5	Q2	11											
6J													

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC-WTC_000257521

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	Volume (liters):	1688
Lab Group #:	7407	Filter Type / Filter Area:	MCE 385 mm²
Lab Sample #:	5	Grid Opening Size:	0.01124
Client Sample #:	07	Area Examined:	0.0562 mm²
GRID BOX:	1033	Magnification:	20,000
GRID ID:	TAC	Accelerating Voltage:	100 KeV
# Grid Openings:	5	Analysis Date:	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO		Structure No	Structure Type				Length		ID of Structure N or √				EDS (Nonadb Elements)
No	Coord		F	B	C	M	>=05 µ <5µ	>=5µ	Chrys	Amphibole	Nonasb	Ambig/ND	
1	I2	NSD											
2	P2	4											
3	V2	4											
4	Q2	4											
5	J2	11											

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC-WTC_000257522

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	**Volume (liters):**	1696
Lab Group #:	740[illegible]	**Filter Type / Filter Area:**	MCE 385 mm²
Lab Sample #:	6	**Grid Opening Size:**	0.01124
Client Sample #:	08	**Area Examined:**	0.0562 mm²
GRID BOX:	1033	**Magnification:**	20,000
GRID ID:	7EC	**Accelerating Voltage:**	100 KeV
# Grid Openings:	5	**Analysis Date:**	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO.		Structure	Structure Type				Length		ID of Structure N or √				EDS
No	Coord	No	F	B	C	M	>=05 µ <5µ	>=5µ	Chrys	Amphibole	Nonasb	Ambig/ND	(Nonadb Elements)
1	I2	NSD											
2	P2	"											
3	V2	"											
4	J2	"											
5	Q2	"											

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC-WTC_000257523

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	Volume (liters):	1760
Lab Group #:	7407	Filter Type / Filter Area:	MCE 385 mm²
Lab Sample #:	7	Grid Opening Size:	0.01124
Client Sample #:	09	Area Examined:	0.04496 mm²
GRID BOX:	1033	Magnification:	20,000
GRID ID:	2158	Accelerating Voltage:	100 KeV
# Grid Openings:	4	Analysis Date:	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO. No	GO. Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	Length >=5µ	ID of Structure N or √ Chrys	Amphibole	Nonasb	Ambig/ND	EDS (Nonadb Elements)
1	B2	NSD											
2	K2	0											
3	P2	4											
4	I2	1											
5													

Struct = > 0.5µ .> 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	Volume (liters):	1734
Lab Group #:	7407	Filter Type / Filter Area:	MCE 385 mm²
Lab Sample #:	8	Grid Opening Size:	0.01124
Client Sample #:	10	Area Examined:	0.04496 mm²
GRID BOX:	1033	Magnification:	20,000
GRID ID:	28F	Accelerating Voltage:	100 KeV
# Grid Openings:	4	Analysis Date:	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO. No	GO. Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	Length >=5µ	ID or Structure N or √ Chrys	Amphibole	Nonasb	Ambig/ND	EDS (Nonadb Elements)
1	J2	NSD											
2	Q2	11											
3	F2	11											
4	P2	11											

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	**Volume (liters):**	1792
Lab Group #:	7407	**Filter Type / Filter Area:**	MCE 385 mm²
Lab Sample #:	9	**Grid Opening Size:**	0.01124
Client Sample #:	11	**Area Examined:**	0.04496 mm²
GRID BOX:	1033	**Magnification:**	20,000
GRID ID:	8H5	**Accelerating Voltage:**	100 KeV
# Grid Openings:	4	**Analysis Date:**	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO		Structure No	Structure Type				Length		ID of Structure N or √				EDS (Nonadb Elements)
No	Coord		F	B	C	M	>=05 µ <5µ	>=5µ	Chrys	Amphibole	Nonasb	Ambig/ND	
8H 1	Q2	NSD											
2	S2	"											
3	T2	"											
4	P2	"											
8J													

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded <10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC-WTC_000257526

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	Volume (liters):	1792
Lab Group #:	7407	Filter Type / Filter Area:	MCE 385 mm²
Lab Sample #:	10	Grid Opening Size:	0.0124
Client Sample #:	12	Area Examined:	0.04496 mm²
GRID BOX:	1033	Magnification:	20,000
GRID ID:	9AC	Accelerating Voltage:	100 KeV
# Grid Openings:	4	Analysis Date:	4/13/02

Analysis Performed By: RP
ROMAN PEYSAKHOV

GO. No	Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	>=5µ	ID of Structure N or √ Chrys	Amphibole	Nonasb	Ambig/ND	EDS (Nonadb Elements)
9A													
1	J2	NSD											
2	Q2	4											
3	P2	4											
4	I2	4											
9C													

Struct = > 0.5µ .> 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber
B = Bundle (<3 fibers <1 fiber diameter apart
C = Cluster (>3 Intersections)
M = Matrix
NSD = No Structures Detected

Grid acceptance:
<50% undissolved filter, overlapped or folded
<10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

NYC-WTC_000257527

NYC 9/11 Public Portal Document

TEM Asbestos (air) Count Sheet

Client Name:	NYC BOE	**Volume (liters):**	1792
Lab Group #:	7407	**Filter Type / Filter Area:**	MCE 385 mm²
Lab Sample #:	11	**Grid Opening Size:**	0.01124
Client Sample #:	13	**Area Examined:**	0.04496 mm²
GRID BOX:	1033	**Magnification:**	20,000
GRID ID:	9EG	**Accelerating Voltage:**	100 KeV
# Grid Openings:	4	**Analysis Date:**	4/13/02

Analysis Performed By: RP

ROMAN PEYSAKHOV

GO. No	GO. Coord	Structure No	Structure Type F	B	C	M	Length >=05 µ <5µ	Length >=5µ	ID of Structure N or √ Chrys	Amphibole	Nonasb	Ambig/ND	EDS (Nonadb Elements)
9E 1	J2	NSD											
2	Q2	4											
3	I2	4											
4	P2	11											
9G													

Struct = > 0.5µ > 5:1 Aspect Ratio

√= Positive diffraction pattern properties conforming to laboratory identification criteria observed

√= EDS spectrum conforming to laboratory identification criteria observed

F = Single Fiber

B = Bundle (<3 fibers <1 fiber diameter apart

C = Cluster (>3 Intersections)

M = Matrix

NSD = No Structures Detected

Grid acceptance:

<50% undissolved filter, overlapped or folded <10% particulate coverage >50% coverage ate least 20 unfolded or overlapped grid squares <5% holes or opaque areas

AMPHIBOLES
Amosite
Crocidolite
Anthophyllite
Tremolite
Actinolite

Totals

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

CONFIDENTIAL, CITY_21MC100_003460103

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000257528

NYC-WTC_000257529

NYC 9/11 Public Portal Document

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008 CONFIDENTIAL,

CITY_21MC100_003460104

ATC ASSOCIATES INC.

7407

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page ____ of ____

TURNAROUND TIME

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

PROJECT INFORMATION

1. Client:	2. Project Name / 2a. Project Address	3. Project # / 3a. Task #	4. Project Monitor: / 4a. Air Sampler:	4c. Rotameter Number:
NYC-BOE	11/14 H.S. Economics/Fitness 100 Trinity Place	84861-84874 / 84584/865	D. Gianatto	HP 88

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☒ TEM (0.45 micron MCE)	9. Type:	
4/13/02	Entire	Cassette/Filter Manufacture ____ Lot # ____	Cassette/Filter Manufacture MMF Lot # 02069/6	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	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02				Field Blank									
03			*	Roof South East Corner.	730	1100	210	8.0	8.0	8.0	1680		
04				8th fl. - Cafeteria. North West Corner	732	1102	210	8.0	8.0	8.0	1680		
05			^	7th fl. staircase - B- A open door.	733	1104	↓	8.0	↓	↓	1680		
06				1st fl. - Auditorium Left side of the Entree	734	1106	↓	8.0	↓	↓	1680		
07			*	1st fl. - Lobby Next to Rm. 102A	736	1109	211	8.0	↓	↓	1688		
08			*	Outside the Bldg Right side of Hallway	738	1114	212	8.0	↓	↓	1696		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	M. Grant	4/13/02	17:30
II			
III			

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

22. Lab Name: ATC-TEM	23. Date:	24. Time:
a. Analyzed By: RRy	4.14.02	1:05
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: Mark Jemyon

27. Result To: Kiamis
Beeper/Phone #'s: 646) 772 1155

28. Comments:

WHITE - File YELLOW - Client/Report PINK - Lab GOLDENROD - Field

NY-1 (1/01)

NYC-WTC_000257530

NYC 9/11 Public Portal Document

AND CHAIN OF CUSTODY FORM

ATC ASSOCIATES INC. 7407

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

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter ID
NYC. BOE	HS OF Economics	14584165		HP
	2a. Project Address: 100 Trinity Pl.	3a. Task #	4a. Air Sampler:	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture / Lot'#	☐ TEM (0.45 micron MCE) Cassette/Filter Manufacture / Lot #	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environ g. ☐ Ambient h. ☐ Other
4-12-02	Entire			

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	14b. Avg	15. Total Air Vol (liters)	16. # Fibers/Fields Minus Blank	17. Fiber
				Field Blank									
				Field Blank									
09				Roof South East Corner	1140	1520	220	8.0	8.0	8.0	1760		
10				Staircase B 7th fl. open stair Corner	1142	1525	223	8.0	8.0	8.0	1784		
11				7th fl. Lobby next to RM 705A	1143	1527	224	8.0	8.0	8.0	1792		
12				Main Entrance Right Side	1145	1529	224	8.0	8.0	8.0	1792		
13				7th fl. adj RM Custodian office 705	1146	1530	224	8.0	8.0	8.0	1792		
14				Sealed Blanks				8.0					

CHAIN OF CUSTODY

	18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I		M. Gray	04/13/02	17:30
II				
III				

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

22. Lab Name: ATC-TEM	23. Date:	24. Time:
a. Analyzed By: RRuy	4.14.02	1:05
b. QC By:		
c. Lab Batch #:		

25. Microscope Make/Serial #
☐ Nikon Labophot 23891
☐ Nikon Labophot 23891
☐ Nikon Labophot 23907

Analysis Methodology
PCM - NIOSH 7400A
TEM - AHERA

26. ATC Project Manager:	27. Result To: Dennis	28. Comments:
Mark Snyder	Beeper/Phone #'s 646.772.1155	

WHITE - File YELLOW - Client/Report PINK - Lab GOLDENROD - Field

N

CONFIDENTIAL,
SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008
CITY_21MC100_003460105