

Related Management Company, L.P.

203 East 86th Street

New York, New York 10028

212-319-1200 Fax 212-593-5793

One of The Related Companies

March 14, 2002

NYC DEP Asbestos Control Program
59-17 Junction Boulevard, 8th Floor
Corona, New York 11373-5108
Attention: R. Radhakrishnan, P.E., Director

Subject: 400 Chambers Street, Tribeca Park

Dear Sir or Madam:

As per your request, attached please find a summary report of ambient air sampling and cleanup activities performed at 400 Chambers Street, Tribeca Park, supervised by our environmental consultants, ATC Associates Inc.

If you require further information, please call me at 212-981-3520.

Sincerely,

A handwritten signature in black ink, appearing to read 'Lisa Bergenty', is written over a circular stamp. The stamp contains the letters 'ISAB' in a bold, sans-serif font.

Lisa Bergenty
Senior District Manager

cc: Peter Hoyle

ENTERED

TRIBECA PARK 400 CHAMBERS STREET

A SUMMARY REPORT OF AMBIENT AIR SAMPLING
AND VISUAL OBSERVATIONS PERFORMED
FOLLOWING THE COLLAPSE OF THE WORLD
TRADE CENTER BUILDINGS.

FEBRUARY 15, 2002

PREPARED FOR:
RELATED MANAGEMENT COMPANY, L.P.
203 EAST 86TH STREET
NEW YORK, NY 10028

PREPARED BY:
ATC ASSOCIATES INC.
104 EAST 25TH STREET
NEW YORK, NY 10010

**Tribeca Park – 400 Chambers Street
Related Management Company, L.P.**

**ATC Project No.: 09622-0012
February 15, 2002
Page 1**

General

ATC Associates Inc. (ATC) was retained by the Related Management Company, L.P. in response to air quality concerns at Tribeca Park following the collapse of the World Trade Center buildings on September 11, 2001. Addressing the concerns ATC conducted interviews with building maintenance personnel performed a visual inspection of the ventilating and air conditioning system air intakes and a walkthrough visual inspection of residential units and common areas. Representative ambient air samples were collected initially for analysis via phase contrast microscopy (PCM) and subsequently via Transmission Electron Microscopy (TEM). Sampling of dust was performed in accordance with the City of New York Department of Environmental Protection's September 14 and 26, 2001 memorandums regarding the cleanup of debris inside buildings for analysis via polarized light microscopy (PLM) for asbestos content. Additionally ATC provided a scope document for and provided general oversight of the cleanup of dust accumulations within various residential units and the cleaning of the house supply air system and building exterior.

Interview with Building Maintenance Personnel and Visual Inspections

Based upon ATC's discussion with the resident manager and our observations, ATC concludes that building management actions and subsequent loss of power successfully shut down the house air conditioning systems minimizing dust intrusion into the HVAC system, and that at the time of our inspection the house supplied HVAC system was free of dust accumulations that can be attributed to the collapse of the World Trade Center Buildings. Assessable residential units were visually inspected for dust and debris accumulations. This inspection subjectively categorized dust accumulations in to three depositional levels. The categories are; No visible dust, Film, and Accumulation. The inspection identified 396 units with no visible dust, 18 units with f Film and 24 units with accumulations of visible dust. Typical film Photo 1, typical accumulation Photo 2.



Photo 1 – Typical Film

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Related Management Company, L.P.**

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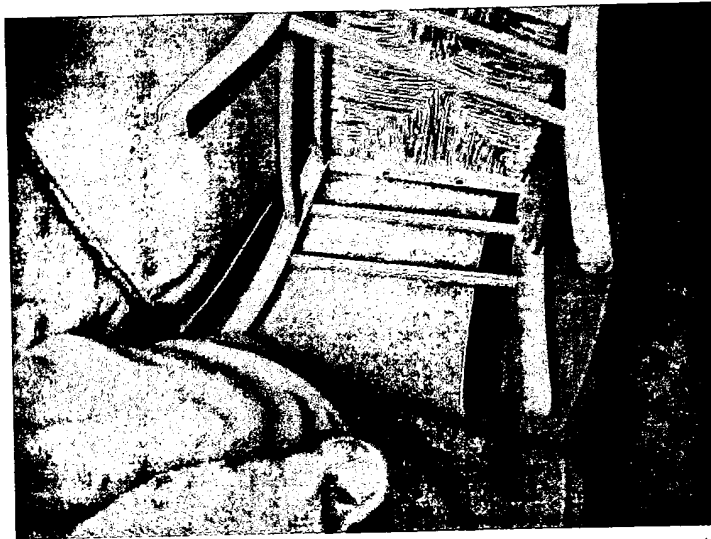


Photo 2 – Typical Accultuation

Common Area & Apartment Cleaning Procedures and PCM Ambient Air Sampling

Common areas, individual apartments identified as having a dust film, dust accumulation, or units specifically requested by the occupant were cleaned between September 18 – 20, 2001 utilizing licensed asbestos abatement contractors Pinnacle Environmental Corp. and Hazardous Elimination Corp) utilizing the procedures contained in the City of New York Department of Environmental Protection's September 14 and 26, 2001 memorandums regarding the cleanup of debris inside buildings.

The intent of this cleaning is to completely and thoroughly clean all accumulated dust and/or debris from apartment surfaces utilizing wet cleaning methods and/or HEPA filter equipped vacuums allowing families to return to their respective units as quickly as possible.

1. All workers involved in the cleaning shall wear disposable coveralls (tyveck or equal) and at a minimum ½ face negative pressure respirators with HEPA cartridges.
2. Remove each wall mounted inceptor HVAC unit and thoroughly clean. Thoroughly vacuum the entire unit including diffuser, wall sleeve, apartment grate, housing and accessible coils. Remove filter and place in sealed 6 mil unlabeled bag for subsequent cleaning by building personnel. Thoroughly vacuum the interior of the filter housing and surrounding attachment points and replace filter with new filter (building management to supply). Reinstall unit.
3. Thoroughly wet clean and/or vacuum all apartment surfaces including walls, moldings/trim, doors, installed appliances, window components, installed fixtures, and appurtenances.
4. Sequence the work to commence cleaning in the furthest corner working out the area to be cleaned.

**Tribeca Park – 400 Chambers Street
Related Management Company, L.P.**

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Representative ambient air sampling was performed between September 18 – 20, 2001 during cleaning activities. Attachment 1 contains the Air Monitoring Data and Chain of Custody Forms (28 pages) for the ambient air samples collected by ATC Associates and analyzed by phase contrast microscopy (PCM). Samples were collected from three hallway locations and two apartments on each floor of 400 Chambers Street. Apartments sampled are identified in the following table.

Floor	Apartments	Floor	Apartments
Penthouse	D, R	15	D, R
28	D, R	14	D, R
27	D, R	12	B, L
26	D, R	11	H, R
25	D, R	10	D, T
24	D, R	9	A, M
23	D, R	8	C, U
22	D, R	7	F, T
21	D, R	6	M, Y
20	D, R	5	K, T
19	D, R	4	E, V
18	D, R	3	G, U
17	D, R	1	Gym, Children's Play Room, Pool
16	D, R	Basement	Garage/Hallway

All samples collected recorded fiber levels less than 0.01 f/cc. However, particulate matter raised by maintenance activities obscured the initial analysis of the sample collected from the apartment 9A. This sample was subsequently analyzed using an analogous method and recorded a level less than 0.01 f/cc, consistent with the other four samples collected from the ninth floor and does not present an issue at this time.

In conclusion, based upon the analytical results recording fiber concentrations below the NYC acceptable airborne clearance requirement following an abatement action, it is ATC's opinion that the ambient air samples collected throughout the building meet an acceptable criterion for re-occupancy.

Ambient Air Sampling – Transmission Electron Microscopy

On October 31, November 19 & 28, ATC collected 17 common area and 23 residential units samples as requested by the resident to ascertain the presence or absence of airborne asbestos. Units sampled are listed below by sampling date. All samples were collected and analyzed in accordance with the AHERA Transmission Electron Microscopy (TEM) method as set forth at 40 CFR Part 763, Subpart E, Appendix A which provides resolution down to 0.5 μ . structure size. Of the total 222 samples collected, a single asbestos structure was detectable on only one sample.

**Tribeca Park – 400 Chambers Street
Related Management Company, L.P.**

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October 31, 2001

Floor	Apartments	Floor	Apartments	Floor	Apartments
PH		20	Hallway	9	W, Y
28		19	A, D	8	W
27	B	18		7	
26		17	L, N	6	
25	B	16	Q	5	Q, Hallway
24		15	Hallway	4	P ⁺
23		14		3	
22		12		1	Lobby
21		10	P, Hallway	Outside	Various s

+ Two samples

November 16, 2001

Floor	Apartments	Floor	Apartments	Floor	Apartments
PH	D	20		9	P
28		19		8	M, P, Q
27		18		7	
26		17		6	B, Q
25	A	16	K	5	C, B, M
24		15	D, Q	4	Q
23		14	B, N, P	3	S
22	A	12	Q	1	
21	A	10	C	Outside	

+ Two samples

November 28, 2001

Floor	Apartments	Floor	Apartments	Floor	Apartments
PH		20		10	
28		19		9	Hallway
27		18		8	H
26		17		7	A, Hallway
25		16		6	
24		15		5	A, R, Hallway
23		14	R	4	
22		12		3	
21		11	P, Hallway	1	Lobby

In the absence of a specific ambient air standard, ATC has selected as a criteria for acceptable ambient air sample sets, the AHERA re-occupancy requirement following an asbestos abatement action of an average of less than 70 asbestos structures per square millimeter (<70 s/mm²) per sample set. This criteria has been selected because the AHERA requirement is the most stringent reoccupancy requirement available, and has been designed to be protective of children following an asbestos project.

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Related Management Company, L.P.**

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Based upon analytical sample results for all samples recording levels below the AHERA clearance requirement, it is ATC's opinion that the ambient air samples collected throughout the building are representative of the ambient conditions at the time of testing and that the areas tested meet an acceptable criterion for re-occupancy.

Fiberglass in Air via PCM

Twelve ambient air samples collected within the common areas lobby were analyzed for fiberglass using the Phase Contrast Microscopy (PCM) analytical method. All samples collected recorded fiber levels less than 0.01 f/cc

In the absence of a specific ambient air standard for fiberglass, ATC has selected as a criteria for acceptable ambient air sample sets, the NYCDEP re-occupancy requirement following an asbestos abatement action of an average of less than 0.01 fibers per cubic centimeter (0.01 f/cc²).

In conclusion, based upon the analytical results for fiberglass recording fiber concentrations below the NYC acceptable airborne clearance requirement following an abatement action, it is ATC's opinion that the ambient air samples collected throughout the building meet an acceptable criterion for re-occupancy

PCB's in Air

One ambient air sample collected within the lobby and analyzed for PCB's recorded analytical results less than analytical detection limit.

Indoor Air Quality

The IAQ evaluation included collection of seventy-five real-time measurements of temperature, relative humidity, carbon dioxide (CO₂), carbon monoxide (CO), respirable particulates and total volatile organic compounds (TVOC). Currently, there are no regulatory standards for indoor air quality in non-industrial buildings, such as residential units. For the real-time data collected, ATC uses the commonly accepted guidelines cited in the following publications:

- *Ventilation for Acceptable Indoor Air Quality (ASHRAE 62-1999)*, American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE);
- *Thermal Environmental Conditions for Human Occupancy (ASHRAE 55-1992)*;
- *Industrial Hygienists Guide to Indoor Air Quality Investigations (1993)*, American Industrial Hygiene Association (AIHA).

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PARAMETER	TARGET LEVEL	AGENCY ORGANIZATION	OR
Carbon Dioxide (CO ₂)	<700 parts per million (ppm) above background level	ASHRAE 62	
Carbon Monoxide (CO)	9 ppm	USEPA NPAAQS (as cited in ASHRAE 62)	
Respirable Particles (PM ₁₀)	50 micrograms per cubic meter of air (µg/m ³)	USEPA NPAAQS (as cited in ASHRAE 62)	
Temperature	Summer: 73-79°F at 50% RH Winter: 68-75°F at 50% RH	ASHRAE 55	
Relative Humidity	30 – 60 %	ASHRAE 55	
Total Volatile Organic Compounds (TVOC)	1 ppm	AIHA	

USEPA = United States Environmental Protection Agency

NPAAQS = National Primary Ambient-Air Quality Standard

AIHA = American Industrial Hygiene Association

All parameters measured during the IAQ assessment were within recommended guideline ranges.

PCB's in Air

One ambient air sample collected within the lobby and analyzed for PCB's recorded analytical results less than analytical detection limit.

Dioxins

One sample twenty-four hour sample was collected using a spiked 75 mm polyurethane foam (PUF) sorbent plug and General Metal Works High Volume PS1 Sampler for polychlorinated dibenzo-p-dioxins (PCDDs) and polychlorinated dibenzofurans (PCDFs) [known collectively as dioxins] using a modified version of USEPA Method 23 (see attached analytical reports). All dioxin analyses were performed by Pace Analytical Services (see attached reports).

The EPA's current screening level for dioxin in air, has been set to protect against significantly increased risks of cancer and other adverse health effects. This screening level is based on an assumption of continuous exposure for a year, to an average concentration of 0.16 nanograms per cubic meter (ng/m³) or 160 picograms per cubic meter (0.16 ng/m³ = 160 pg/m³). The sample collected and analyzed recorded a dioxin equivalence concentration of 0.0021 pg/m³, well below the EPA's current screening level.

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Airborne Metals

One common area and nine residential units were sampled for and analyzed for airborne metals. All recorded analytical results were less than analytical detection.

Duct and Exterior Cleaning

TechClean Industries cleaned the air duct of the building. This cleaning included removal and reinstallation after wet cleaning of the grills and registers and High Efficiency Particulate Air (HEPA) vacuuming and washing of the induction fan supplying the systems. The risers were cleaned in phases by sealing diffusers with plastic sheeting and tape, deploying isolation bags to assist in controlling negative pressure, HEPA negative exhaust equipment and various pneumatic agitation devices. The work commenced from the upper most floor and worked towards the mechanical room.

Arcade Contracting cleaned exterior surfaces of the building. This cleaning included High Efficiency Particulate Air (HEPA) vacuuming of exterior ledges and window tracks and pressure washing of exterior surfaces. Following exterior cleaning activities all windows were washed.

**Tribeca Park – 400 Chambers Street
Related Management Company, L.P.**

**ATC Project No.: 09622-0012
February 15, 2002**

**PCM & TEM Air Sampling Chain of Custody Forms
And
Analytical Results**



Project Memorandum

Subject: Tribeca Park
 400 Chambers Street

Re: Ambient Air Sampling

To: Peter Hoyle
 Related Management

From: Fred Burkhardt

Date: November 19, 2001

A/H
13/10

On October 31, 2001, ATC collected one* ambient air sample in each of the apartments listed below, one sample in five common hallways and outside of the building, to ascertain the presence or absence of airborne asbestos. All samples were collected and analyzed in accordance with the AHERA Transmission Electron Microscopy (TEM) method as set forth at 40 CFR Part 763, Subpart E, Appendix A.

Apartments sampled are identified in the following table.

Floor	Apartments	Floor	Apartments	Floor	Apartments
PH		20		9	W, Y
28		19	A, D	8	W
27	B	18		7	
26		17	L, N	6	
25	B	16	Q	5	Q
24		15		4	P*
23		14		3	
22		12		1	
21		10	P	Outside	Various

* Two samples

In the absence of a specific ambient air standard, ATC has selected as a criteria for acceptable ambient air sample sets, the AHERA re-occupancy requirement following an asbestos abatement action of an average of less than 70 asbestos structures per square millimeter ($<70 \text{ s/mm}^2$) per sample set. This criteria has been selected because the AHERA requirement is the most stringent reoccupancy requirement available, and has been designed to be protective of children following an asbestos project.

Based upon analytical sample results for all samples recording levels below the AHERA clearance requirement, it is ATC's opinion that the ambient air samples collected throughout the building are representative of the ambient conditions at the time of testing and that the areas tested meet an acceptable criterion for re-occupancy. If you have any questions or require additional explanation of the information presented please do not hesitate to call me at 212-353-8280.

Thank You.



H/A
10/13
10/31

104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

November 1, 2001

ATC Associates Inc.
104 East 25th Street
New York, NY 10010
Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 5805:

Client: Tribeca Park
Project Name: 400 Chambers Street, NY, NY
Location: Various Sites
Samples received: 11/01/01

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites. As indicated on the attached document, less than 70 asbestos structures per mm² was detected in all of the nineteen ambient samples submitted from the site. Nuclepore TEM cassettes, Lot No. 98117167, were used.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory. If post-abatement inside samples pass, the response action may be considered to have been completed. The analyses were supervised by Dr. Michael A. Gorycki, Director of Electron Microscopy.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc. Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki'.

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280

Fax: (212) 353-8306



Attn: F. Burkhard
ATC Associates Inc
104 East 25th Street
New York NY 10010

Received: 11/1/01 8:00:00 AM

ATC Group #: 5805

Analysis Date: 11/1/01

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

Project: Tribeca Park
400 Chambers Street

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

Sample	Volume	Area Analyzed	Non Ash	Asbestos Type(s)	Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²)	(S/cc)	Notes
1 5805 -1	1200.00	0.0674	0	None Detected	0	0	0.0048	<14.83	<0.0048
2 5805 -2	1200.00	0.0674	0	None Detected	0	0	0.0048	<14.83	<0.0048
3 5805 -3	1216.00	0.0674	0	CHRYSTILE	1	0	0.0047	14.83	0.0047
4 5805 -4	1208.00	0.0674	0	None Detected	0	0	0.0047	<14.83	<0.0047
5 5805 -5	1480.00	0.0562	0	None Detected	0	0	0.0046	<17.79	<0.0046
7 5805 -6	1440.00	0.0562	0	None Detected	0	0	0.0048	<17.79	<0.0048
10 5805 -7	776.00	0.1012	0	None Detected	0	0	0.0049	<9.89	<0.0049
11 5805 -8	744.00	0.1124	0	None Detected	0	0	0.0046	<8.90	<0.0046

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

Attn: F. Burkhard
ATC Associates Inc
104 East 25th Street
New York NY 10010

Received: 11/1/01 8:00:00 AM

ATC Group #: 5805

Analysis Date: 11/1/01

Fax: (212) 353-8306

Phone: (212) 353-8280

Project: Tribeca Park
400 Chambers Street

**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 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²)	Notes
12 - 5805 -9	848.00	0.1012	0	None Detected	0	0	0.0045 <9.89 <0.0045	
13 - 5805 -10	760.00	0.1124	0	None Detected	0	0	0.0045 <8.90 <0.0045	
14 - 5805 -11	784.00	0.1012	0	None Detected	0	0	0.0049 <9.89 <0.0049	
15 - 5805 -12	1592.00	0.0562	0	None Detected	0	0	0.0043 <17.79 <0.0043	
16 - 5805 -13	1600.00	0.0562	0	None Detected	0	0	0.0043 <17.79 <0.0043	
17 - 5805 -14	1640.00	0.0562	0	None Detected	0	0	0.0042 <17.79 <0.0042	
18 - 5805 -15	1616.00	0.0562	0	None Detected	0	0	0.0042 <17.79 <0.0042	
19 - 5805 -16	1320.00	0.0674	0	None Detected	0	0	0.0043 <14.83 <0.0043	
20 - 5805 -17	1360.00	0.0674	0	None Detected	0	0	0.0042 <14.83 <0.0042	
26 - 5805 -18	960.00	0.0899	0	None Detected	0	0	0.0045 <11.12 <0.0045	

ROMAN PEYSAKHOV

Analyzed by:

R. Ruy

MICHAEL A. GORYCKI, Ph.D.

Approved by:

Michael A. Gorycki

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

Attn: F. Burkhard
ATC Associates Inc
104 East 25th Street
New York NY 10010

Received: 11/1/01 8:00:00 AM

ATC Group #: 5805

Analysis Date: 11/1/01

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

Project: Tribeca Park
400 Chambers Street

**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 μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²)	(S/cc)	Notes
6 - 5805 -19	1480.00	0.0562	0	None Detected	0 0	0.0046	<17.79	<0.0046	

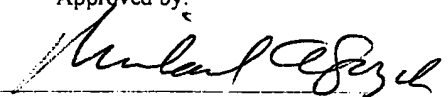
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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



ATC Associates Inc.

104 East 25 Street

New York, NY 10010

TEL: (212) 353-8280 FAX: (212) 353-8306

FACSIMILE TELECOPY TRANSMISSION

To: F. Burkhard
ATC Associates Inc

From: ROMAN PEYSAKHOV

ATC Group #: 5805

Fax #: (212) 353-8306

Client Project: Tribeca Park
400 Chambers Street

Date: Thursday, November 01, 2001

Time: 3:00:30 PM

Comments:

Number of Pages: _____

TEM Asbestos (air) Count Sheet

<u>Client Name:</u>	ATC	<u>Volume (liters):</u>	776
<u>Lab Group #:</u>	5805	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	7	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	10 -	<u>Area Examined:</u>	0.10116 mm ²
<u>GRID BOX:</u>	505	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	172K	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	9		

Analysis Performed By: RP
ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ 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 at
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

<u>Client Name:</u>	ATC	<u>Volume (liters):</u>	784
<u>Lab Group #:</u>	5805	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	11	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	14 -	<u>Area Examined:</u>	0.10116 mm ²
<u>GRID BOX:</u>	505	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	3PR	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	9		

Analysis Performed By: RP
ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ 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 at
least 20 unfolded or overlapped grid squares <5%
holes or opaque areas

AMPHIBOLES

Amosite

Crocidolite

Anthrophyllite

Tremolite

Actinolite

Totals

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

TEM Asbestos (air) Count Sheet

<u>Client Name:</u>	ATC	<u>Volume (liters):</u>	1592
<u>Lab Group #:</u>	5805	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	12	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	15 -	<u>Area Examined:</u>	0.0562 mm ²
<u>GRID BOX:</u>	505	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	374K	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	5		

Analysis Performed By:

ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ 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 at
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

<u>Client Name:</u>	ATC	<u>Volume (liters):</u>	1600
<u>Lab Group #:</u>	5805	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	13	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	16 -	<u>Area Examined:</u>	0.0562 mm ²
<u>GRID BOX:</u>	505	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	420	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	5		

Analysis Performed By: RP
ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ 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 at
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

<u>Client Name:</u>	ATC	<u>Volume (liters):</u>	1640
<u>Lab Group #:</u>	5805	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	14	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	17 -	<u>Area Examined:</u>	0.0562 mm ²
<u>GRID BOX:</u>	505	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	482	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	5		

Analysis Performed By: RP
ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ 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 at
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

<u>Client Name:</u>	ATC	<u>Volume (liters):</u>	1616
<u>Lab Group #:</u>	5805	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	15	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	18 -	<u>Area Examined:</u>	0.0562 mm ²
<u>GRID BOX:</u>	<u>505</u>	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	<u>52N</u>	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	5		

Analysis Performed By:

ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ 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 at
least 20 unfolded or overlapped grid squares <5%
holes or opaque areas

AMPHIBOLES

Amosite

Crocidolite

Anthrophyllite

Tremolite

Actinolite

Totals

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



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: **TRIBECA PARK**

2. Project Name: **400 Chambers**

3. Project #

3a. Task #

4. Project Monitor: **Miguel Roman**

4c. Rotameter Number: **HP-121**

5. Date: **10/31/01**

6. Abatement Location: **400 Chambers**

7. PCM (0.8 micron MCE) Cassette/Filter Manufacturer: **MVC**

8. TEM (0.45 micron MCE) Cassette/Filter Manufacturer: **MVC**

9. Type: ☐ Abatement ☐ Environmental

10. ☐ Background ☐ Post-Abate

11. ☐ Pre-Abate ☐ OSHA

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			
8	8			Field Blank						
9	9			Field Blank						
1	1	✓		27 B	10:00	12:30	150	8.0	8.0	1200
2	2	✓		19 D	10:05	12:35	150	8.0	8.0	1200
3	3	✓		19 A	10:08	12:38	167	8.0	8.0	1210
4	4	✓		9 W	10:15	12:46	154	8.0	8.0	1208
5	5/6	✓		4 P	10:30	1:35	185	8.0	8.0	1480
7	7	✓		8 W	10:40	1:40	180	8.0	8.0	1440

CHAIN OF CUSTODY

18. Relinquished By: **I**

19. Received By: **TD**

20. Date: **11/01/01**

21. Time: **8am**

22. Lab Name: **ATC-TEM**

23. Date: **11/01/01**

24. Time: **15:30**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology

PCM - NIOSH 7400A

TEM - AMERA

LAB INFORMATION (ATC ELAP # 10589, ATC NVLAP # 1187)

22. Lab Name: **ATC-TEM**

23. Date: **11/01/01**

24. Time: **15:30**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology

PCM - NIOSH 7400A

TEM - AMERA

26. ATC Project Manager: **FRED BURKHARDT**

27. Result To: **1**

28. Comments:



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: TRIBECA park		2. Project Name 400 CHAMBERS		3. Project #		4. Project Monitor:		4c. Rotameter Number:	
5a. Project Address		5a. Air Sample:		3a. Task #		4a. Air Sample:		APR-121	
5. Date: 10/31/01		6. Abatement Location: 400 CHAMBERS		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

[illegible]

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I			
II	JPD	11/21/01	8am
III			

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

22. Lab Name:	ATC-TEM		
a. Analyzed By:	RDay		
b. QC By:			
c. Lab Batch #:			
23. Date:	11.1.01		
24. Time:	15:30		
25. Microscope Make/Serial #:			
☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079			
Analysis Methodology			
PCM - NIOSH 7400A			
TEM - JEOL			
28. Comments:			



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

5805

PROJECT INFORMATION

1. Client: TRIBECA PARK	2. Project Name 400 CHAMBERS	3. Project #	4. Project Monitor: 4a. Air Sampler: <u>Argued Hanson</u>	4c. Rotameter Number: <u>HP-121</u>
5. Date: 10/31/01	6. Abatement Location: 400 CHAMBERS	7. PCM (0.45 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. Run/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			
				Field Blank							
				Field Blank							
	15	✓		20 HALLWAY	2:00	5:19	199	1.0	8.0	1592	
	16	✓		15 HALL	2:02	5:22	209	1.0	8.0	1600	
	17	✓		10 HALL	2:05	5:30	205	1.0	8.0	1640	
	18	✓		5 HALL	2:10	5:32	202	1.0	8.0	1616	
	19	✓		LOBBY	2:15	5:00	165	1.0	8.0	1320	
	20	✓		APT. 504	2:20	5:10	170	1.0	8.0	1360	
	21	✓		OUTSIDE HULL	2:40	5:01	124	1.0	8.0	1188	
	22	✓			2:41	5:01	120	1.0	8.0	1120	
	23	✓			2:42	5:01	124	1.0	8.0	1112	
	24	✓			2:43	5:02	124	1.0	8.0	1112	
	25	✓			2:44	5:02	128	1.0	8.0	1104	
	26	✓		APT. 100	4:20	5:20	220	1.0	8.0	960	

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I			
II		11/01/01	8:00
III			

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

22. Lab Name: ATC-TECH	23. Date: 11/01	24. Time: 15:30
a. Analyzed By: RLY		
b. QC By:		
c. Lab Batch #:		

25. Microscope Make/Serial #:	Analysis Metrology
☐ Nikon Labophot 238913	PCM - NIOSH 7400A
☐ Nikon Labophot 238917	TEM - AHERA
☐ Nikon Labophot 239079	

26. ATC Project Manager:	27. Result To:
11/01/01	Resper Phone #

28. Comments:



Project Memorandum

Subject: Tribeca Park
400 Chambers Street

Re: Ambient Air Sampling

To: Peter Hoyle
Related Management

From: Fred Burkhardt

Date: November 23, 2001

A/V
6/1

On November 19, 2001, ATC collected one ambient air sample in the apartment listed below as well as one sample in five common hallways to ascertain the presence or absence of airborne asbestos. All samples were collected and analyzed in accordance with the AHERA Transmission Electron Microscopy (TEM) method as set forth at 40 CFR Part 763, Subpart E, Appendix A.

Apartments sampled are identified in the following table.

Floor	Apartments	Floor	Apartments	Floor	Apartments
PH		20		9	
28		19	Hallway	8	Hallway
27		18		7	
26		17	N	6	
25		16		5	
24		15		4	
23	Hallway	14	Hallway	3	Hallway
22		12		1	
21		10		Outside	

+ Two samples

In the absence of a specific ambient air standard, ATC has selected as a criteria for acceptable ambient air sample sets, the AHERA re-occupancy requirement following an asbestos abatement action of an average of less than 70 asbestos structures per square millimeter ($<70 \text{ s/mm}^2$) per sample set. This criteria has been selected because the AHERA requirement is the most stringent reoccupancy requirement available, and has been designed to be protective of children following an asbestos project.

Based upon analytical sample results for all samples recording levels below the AHERA clearance requirement, it is ATC's opinion that the ambient air samples collected throughout the building are representative of the ambient conditions at the time of testing and that the areas tested meet an acceptable criterion for re-occupancy. If you have any questions or require additional explanation of the information presented please do not hesitate to call me at 212-353-8280.

Thank You.



47A
6/0
11/19

104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

November 20, 2001

ATC Associates Inc.
104 East 25th Street
New York, NY 10010
Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 5933:

Client: Tribeca
Project Name: 400 Chambers Street, NY, NY
Location: Various Sites
Samples received: 11/20/01

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites. As indicated on the attached document, no asbestos structures were detected in any of the seven ambient samples submitted from the site. MMI TEM cassettes, Lot No. 0025916, were used.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory. If post-abatement inside samples pass, the response action may be considered to have been completed. The analyses were supervised by Dr. Michael A. Gorycki, Director of Electron Microscopy.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc. Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Michael A. Gorycki'.

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Associates

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280

Fax: (212) 353-8306



Attn: Mr. Ben Sallemi
ATC Associates Inc
104 East 25th Street

New York NY 10010

Fax: (212) 353-8306

Phone: (212) 353-8280

Received: 11/20/01 8:00:00 AM

ATC Group #: 5933

Analysis Date: 11/21/01

Project: Tribeca

400 Chambers Street, New York, NY

**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 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	(S/cc)	Notes
T-04 9933 -1	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044
T-05 9933 -2	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044
T-06 9933 -3	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044
T-07 9933 -4	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044
T-08 9933 -5	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044
T-09 9933 -6	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044
T-10 9933 -7	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<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 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

TEM Asbestos (air) Count Sheet

<u>Client Name:</u>	ATC	<u>Volume (liters):</u>	1300
<u>Lab Group #:</u>	5933	<u>Filter Type / Filter Area:</u>	MCE 385 mm ²
<u>Lab Sample #:</u>	6	<u>Grid Opening Size:</u>	0.01124
<u>Client Sample #:</u>	T-09 -	<u>Area Examined:</u>	0.06744 mm ²
<u>GRID BOX:</u>	581	<u>Magnification:</u>	20,000
<u>GRID ID:</u>	285	<u>Accelerating Voltage:</u>	100 KeV
<u># Grid Openings:</u>	6	<u>Analysis Date:</u>	11/20/01

Analysis Performed By:

ROMAN PEYSAKHOV

[illegible]

Struct = $> 0.5\mu$ $> 5:1$ 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

Anthrophyllite

Tremolite

Actinolite

Totals

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



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

5933

7/10

PROJECT INFORMATION

1. Client: Tribecca	2. Project Name 400 Chambers St	3. Project # 64060-6-609	4. Project Monitor: O Salovey	4c. Rotameter Number: HP-89
5. Date: 11-19-04	6. Abatement Location: 7	7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #	8. ☒ TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot # 10025916	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ SHA 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	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14c. Avg			
T01												
T02												
T03												
T04		X		9:50	10:00	130	10:00	10:00	10	1300		
T05		X		9:58	12:08	130	10:00	10:00	10	1300		
T06		X		10:05	12:15	130	10:00	10:00	10	1300		
T07		X		10:12	12:22	130	10:00	10:00	10	1300		
T08		X		10:19	12:29	130	10:00	10:00	10	1300		
T09		X		10:29	12:24	130	10:00	10:00	10	1300		

CHAIN OF CUSTODY

18. Relinquished By: I O Salovey	19. Received By:	20. Date:	21. Time:
II		11/20/04	8:00
III			
26. ATC Project Manager: F. Buckhardt	27. Result To: Beeper/Phone #s		

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

22. Lab Name: ATC-TEM	23. Date: 11-20	24. Time: 14:50	25. Microscope Make/Serial #: ☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079
a. Analyzed By: RLR	b. QC By:	c. Lab Batch #:	Analysis Methodology: PCM - NIOSH 7400A TEM - AHERA
28. Comments:			

WHITE - File YELLOW - Client Report

PINK - Lab GOLDENROD - Field

NYC-1 (1-03)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page of

PROJECT INFORMATION

1. Client: Tribea	2. Project Name 400 Shennongjia	3. Project # 400 Shennongjia	4. Project Monitoring Station Station 50	4c. Rotameter Number HP-XB
5. Date: 11/5/01	2a. Project Address 400 Shennongjia	3a. Task #	4a. Air Sampler:	
6. Abatement Location:	7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture	8. ☒ TEM (0.45 micron MCE) Cassette/Filter Manufacture	9. Type: a. ☐ Background	c. ☐ Abatement d. ☐ Post-Abate
				f. ☐ Environmental g. ☒ Ambient

DAILY AIR SAMPLE RECORD

[illegible]

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I [Signature]			
II [Signature]	[Signature]	11/20/01	8:00
III			

26. ATC Project Manager:	27. Result To:	Beeper/Phone #'s
[Signature]	F Park/Nancy	

LAB INFORMATION (ATC ELAP # 10879 ATC NV/ AP # 1187)

22. Lab Name: <i>ATC-TEM</i>	23. Date: <i>11.20</i>	24. Time: <i>14:50</i>
a. Analyzed By: <i>DRG</i>		
b. QC By: <i>g</i>		
c. Lab Batch #:		

28. Comments:

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology

PCM - NIOSH 7400A

TEM - AHERA



Project Memorandum

Subject: Tribeca Park
400 Chambers Street

Re: Ambient Air Sampling

To: Peter Hoyle
Related Management

From: Fred Burkhardt

Date: December 3, 2001

A/H
5/6

On November 28, 2001, ATC collected one ambient air sample in each of the apartments listed below as well as one sample in five common hallways, to ascertain the presence or absence of airborne asbestos. All samples were collected and analyzed in accordance with the AHERA Transmission Electron Microscopy (TEM) method as set forth at 40 CFR Part 763, Subpart E, Appendix A.

Apartments sampled are identified in the following table.

Floor	Apartments	Floor	Apartments	Floor	Apartments
PH		20		10	
28		19		9	Hallway
27		18		8	H
26		17		7	A, Hallway
25		16		6	
24		15		5	A, R, Hallway
23		14	R	4	
22		12		3	
21		11	P, Hallway	1	Lobby

In the absence of a specific ambient air standard, ATC has selected as a criteria for acceptable ambient air sample sets, the AHERA re-occupancy requirement following an asbestos abatement action of an average of less than 70 asbestos structures per square millimeter ($<70 \text{ s/mm}^2$) per sample set. This criteria has been selected because the AHERA requirement is the most stringent reoccupancy requirement available, and has been designed to be protective of children following an asbestos project.

Based upon analytical sample results for all samples recording levels below the AHERA clearance requirement, it is ATC's opinion that the ambient air samples collected throughout the building are representative of the ambient conditions at the time of testing and that the areas tested meet an acceptable criterion for re-occupancy. If you have any questions or require additional explanation of the information presented please do not hesitate to call me at 212-353-8280.

Thank You.



4/A
5/6

104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

November 29, 2001

ATC Associates Inc.
104 East 25th Street
New York, NY 10010
Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 5992:

Client: Tribeca
Project Name: 400 Chambers Street, NY, NY
Location: Apartments and Floors
Samples received: 11/29/01

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites. As indicated on the attached document, no asbestos structures were detected in any of the eleven ambient samples submitted from the site. MMI TEM cassettes, Lot No. 0025916, were used.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory. If post-abatement inside samples pass, the response action may be considered to have been completed. The analyses were supervised by Dr. Michael A. Gorycki, Director of Electron Microscopy.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc. Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Michael A. Gorycki'.

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

ATC Associates

104 East 25 Street, New York, NY 10010

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



Attn: Mr. Fred Burkhardt
 ATC Associates Inc
 104 East 25th Street
 New York

NY 10010

Fax: (212) 353-8306

Phone: (212) 353-8280

Received: 11/29/01 7:00:00 AM

ATC Group #: 5992

Analysis Date: 11/29/01

Project: Tribeca Towers
 400 Chambers St.

**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/mm²)	(S/cc)	
3 5992 -1	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
4 5992 -2	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
5 5992 -3	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
6 5992 -4	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
7 5992 -5	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
8 5992 -6	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
10 5992 -7	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
11 5992 -8	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<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

Attn: Mr. Fred Burkhardt
ATC Associates Inc
104 East 25th Street
New York NY 10010

Received: 11/29/01 7:00:00 AM

ATC Group #: 5992

Analysis Date: 11/29/01

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

Project: Tribeca Towers
400 Chambers St.

**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)	
12 5992 -9	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
13 5992 -10	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	
14 5992 -11	1300.00	0.0674	0	None Detected	0	0	0.0044	<14.83	<0.0044	

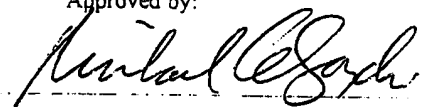
MARK PEYSAKHOV

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



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

5992 11/14

PROJECT INFORMATION

1. Client: 1 Fibers

2. Project Name: 400 CHAMBERS ST

2a. Project Address: 400 CHAMBERS ST

3. Project #: 65421-65435

3a. Task #: 00265916

4. Project Monitoring: 8888888888

4a. Air Sampler: HP29

4c. Rotameter Number: HP29

5. Date: 11/28/01

6. Abatement Location: apart.

7. ☐ PCM (0.3 micron MCE)
Cassette/Filter Manufacture: Lot #

8. ☒ TEM (0.45 micron MCE)
Cassette/Filter Manufacture: Lot #

9. Type: ☐ Abatement ☐ Environmental
☐ Background ☐ Post-Abate ☐ Ambient
☐ Pre-Abate ☐ OSHA ☐ 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	13a. Start	13b. End	14a. Start	14b. End			
01										
02										
03	X			12:40	14:50	10.0	10.0	10	1300	
04	X			12:45	14:55	10.0	10.0	10	1300	
05	X			12:55	15:05	10.0	10.0	10	1300	
06	X			13:10	15:20	10.0	10.0	10	1300	
07	X			13:18	15:28	10.0	10.0	10	1300	
08	X			18:00	20:10	10.0	10.0	10	1300	

CHAIN OF CUSTODY

18. Relinquished By: OSMAR Saboray

19. Received By: JD

20. Date: 11/28/01

21. Time: 11:40

22. Lab Name: TEM

23. Date: 11/28

24. Time: 14:50

25. Microscope Make/Serial #: ☐ Nikon Labophot 238913
☐ Nikon Labophot 238917
☐ Nikon Labophot 238079

26. ATC Project Manager: Fr. Burkhardt

27. Result To: Fr. Burkhardt

28. Comments: TEM

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

22. Lab Name: TEM

23. Date: 11/28

24. Time: 14:50

25. Microscope Make/Serial #: ☐ Nikon Labophot 238913
☐ Nikon Labophot 238917
☐ Nikon Labophot 238079

Analysis Methodology

PCM - NIOSH 7400A

TEM - AFERA



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: <u>Tribea</u>	2. Project Name: <u>Woochambers St</u>	3. Project #	4. Project Monitor: <u>Solovey</u>	4c. Rotameter Number: <u>44740</u>
5. Date: <u>11/28/11</u>	6. Abatement Location: <u>Floors</u>	7. ☐ PCM (0.5 micron MCE) Cassette/Filter Manufacture Lot #	8. ☒ TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot # <u>00265016</u>	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		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	13a. Start	13b. End	13c. Total	14a. Start	14b. End			
15											
107		X		16:00	18:10	130	10.0	10.0	100		
11		X		16:08	18:18	130	10.0	10.0	100		
12		X		16:14	18:24	130	10.0	10.0	100		
13		X		16:20	18:30	130	10.0	10.0	100		
14		X		16:28	18:38	130	10.0	10.0	100		

CHAIN OF CUSTODY

18. Relinquished By: <u>I O Solovey</u>	19. Received By: <u>JD</u>	20. Date: <u>11/28/11</u>	21. Time: <u>7am</u>
II			
III			

26. ATC Project Manager: <u>R. Bartlett</u>	27. Result To: <u>R. Bartlett</u>
---	-----------------------------------

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

22. Lab Name: <u>ATC</u>	23. Date: <u>11/28/11</u>	24. Time: <u>11:50</u>
a. Analyzed By: <u>[Signature]</u>		
b. QC By: <u>[Signature]</u>		
c. Lab Batch #:		
25. Microscope Make/Serial #:		
☐ Nikon Labophot 238913		
☐ Nikon Labophot 238917		
☐ Nikon Labophot 239079		
Analysis Methodology		
PCM - NIOSH 7400A		



Project Memorandum

Subject: 400 Chambers
Re: Ambient Air Sampling
To: Peter Hoyle
 Related Management
From: Fred Burkhardt
Date: October 23, 2001

32
 91
 173

Attached please find the Air Monitoring Data and Chain of Custody Forms (28 pages) for the ambient air samples collected by ATC Associates and analyzed by phase contrast microscopy (PCM). Samples were collected from three hallway locations and two apartments on each floor of 400 Chambers Street. Apartments sampled are identified in the following table.

Floor	Apartments	Floor	Apartments
Penthouse	D, R	15	D, R
28	D, R	14	D, R
27	D, R	12	B, L
26	D, R	11	H, R
25	D, R	10	D, T
24	D, R	9	A, M
23	D, R	8	C, U
22	D, R	7	F, T
21	D, R	6	M, Y
20	D, R	5	K, T
19	D, R	4	E, V
18	D, R	3	G, U
17	D, R	1	Gym, Children's Play Room, Pool
16	D, R	Basement	Garage/Hallway

All samples collected recorded fiber levels less than 0.01 f/cc. However, particulate matter raised by maintenance activities obscured the initial analysis of the sample collected from the apartment 9A. This sample was subsequently analyzed using an analogous method and recorded a level less than 0.01 f/cc, consistent with the other four samples collected from the ninth floor and does not present an issue at this time.

In conclusion, based upon the analytical results recording fiber concentrations below the NYC acceptable airborne clearance requirement following an abatement action, it is ATC's opinion that the ambient air samples collected throughout the building meet an acceptable criterion for re-occupancy. If you have any questions or require additional explanation of the information presented please do not hesitate to call me at 212-353-8280.

Thank You.



AIR MONITORING DATA

AND

CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:		2. Project Name: <u>2nd Chambers St.</u>		3. Project #		4. Project Monitor:		4c. Rotameter Number: <u>HP-113</u>	
5. Date: <u>9-18-01</u>		6. Apartment Location: <u>Shirley Highway</u>		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	
2a. Project Address: <u>400 Chambers St</u>		3a. Task #		4a. Air Sampler: <u>Belinda Carver</u>					

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. FCC
		12a. IWA	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End			
01										0/100	
02										0/100	
03				1655	2309	374	5.0	5.0	1870	10/100	0.003
04				1656	2310	374	5.0	5.0	1870	3/100	0.003
05				1657	2307	370	5.0	5.0	1850	30/100	0.008
06				1658	2300	362	5.0	5.0	1810	29/100	0.008
07				1700	2302	362	5.0	5.0	1810	9/100	0.003
08				1701	2304	363	5.0	5.0	1815	4/100	0.003

CHAIN OF CUSTODY

18. Relinquished By: <u>JO CARUJO</u>	19. Received By: <u>M. M. M.</u>	20. Date: <u>9/19/01</u>	21. Time: <u>10:00</u>
II			
III			

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

22. Lab Name: <u>A. Elap</u>	23. Date: <u>09/19/01</u>	24. Time: <u>10:00</u>
25. Microscope Make/Serial #: ☒ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079		
26. ATC Project Manager: <u>Fred B</u>		
27. Result To: <u>Fred</u> Beeper: Phone # 's		
28. Comments:		
29. Analysis Methodology: PCM - NIOSH 7400A TEM - AHERA		

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



CHAIN OF CUSTODY FORM

TURNAROUND TIME

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

PROJECT INFORMATION

1. Client:		2. Project Name: <u>2800 Chambers St.</u>		3. Project #		4. Project Monitor: <u>B CARL</u>		4c. Rotameter Number: <u>HP 113</u>	
5. Date: <u>9/16/01</u>		6. Abatement Location: <u>125 FD</u>		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	
2a. Project Address: <u>400 Chambers St.</u>		3a. Task #		4a. Air Sampler:					

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				Bay Entrance D	1702	2305	363	50	50	5	1815	6/100	20.003
10				Hallway By Elevator	1735	2010	155	150	150	15	2325	4/100	20.002
11				Main Lobby Entrance	1736	2012	156	150	150	15	2340	5/100	20.002
12				Hallway Entrance	1737	2013	156	150	150	15	2340	10/100	0.002
13				Child Play Room	1738	2015	157	150	150	15	2355	12/100	0.002
14				Pool	1739	2017	158	150	150	15	2370	2/100	20.002

CHAIN OF CUSTODY

18. Relinquished By: <u>I B Caruso</u>	19. Received By: <u>W. Brown</u>	20. Date: <u>9/14/01</u>	21. Time: <u>12:00</u>
II			
III			

26. ATC Project Manager: <u>F. Burk Arrad.</u>	27. Result To: <u>Beeper/Phone #s</u>
--	---------------------------------------

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

22. Lab Name:	23. Date: <u>09/14/01</u>	24. Time: <u>12:00</u>
a. Analyzed By: <u>A. Elbert</u>	b. QC By:	c. Lab Batch #: <u>96948</u>
28. Comments:		
25. Microscope Make/Serial #: <u>Nikon Labophot 238913</u> ☒ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079		
Analysis Methodology: <u>PCM - NIOSH 7400A</u> <u>TEM - AHERA</u>		

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA

AND

CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:		2. Project Name		3. Project #		4. Project Monitor: <u>JS Charuso</u>		4c. Rotameter Number: <u>HP 113</u>	
5. Date: <u>9-18-01</u>		6. Abatement Location: <u>3rd Fl</u>		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		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	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
15				1754	1950	120	150	150	15	1800	8/100	40.003
16				1751	1954	123	150	150	15	1845	1.5/100	40.003
17				1752	1956	124	150	150	15	1860	2/100	40.003
18				1753	1957	124	150	150	15	1860	2.5/100	40.003
19				1754	1958	124	150	150	15	1860	7/100	40.003

CHAIN OF CUSTODY

18. Relinquished By: <u>JS Charuso</u>	19. Received By: <u>Monica</u>	20. Date: <u>9/19/01</u>	21. Time: <u>1200</u>
II			
III			

26. ATC Project Manager: <u>F Bunk Hand</u>	27. Result To: _____ Beeper/Phone #'s _____
---	--

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

22. Lab Name: <u>H. Elbert</u>	23. Date: <u>9/19/01</u>	24. Time: <u>1600</u>
a. Analyzed By: <u>H. Elbert</u>	b. QC By: _____	c. Lab Batch #: <u>96998</u>
28. Comments: _____		
25. Microscope Make/Serial #: <u>Nikon Labophot 238913</u> ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079		
Analysis Methodology: <u>PCM - NIOSH 7400A</u> TEM - AHERA		

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)

CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:	2. Project Name:	3. Project #	4. Project Monitor:	4c. Rotameter Number:
9-18-01	400 Chambers St.	3A Task #	3C 29450	HP-113
5. Date:	6. Abatement Location:	7. PCM (0.8 micron MCE)	8. TEM (0.45 micron MCE)	9. Type:
9-18-01	400 Chambers St.	Lot #	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	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	13a. Start	14a. Start	14b. End	14b. Avg	
		12b. OWA	13b. End	13c. Total			
		Field Blank					
		Field Blank					
20		Box Stairs C	1805 2010	150	150	15	2/100 <0.003
21		4C Rm	1806 2011	150	150	15	8/100 <0.003
22		4G Rm	1811 2012	150	150	15	10/100 0.003
23		4E Rm - inside	1813 2014	150	150	15	5/100 <0.003
24		4V Rm - inside	1815 2016	150	150	15	4/100 <0.003

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I B Caruso	M. B. B.	9/18/01	10:00 AM
II			
III			

26. ATC Project Manager:	27. Result To:
Z. B. B.	Beeper/Phone #s

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: A. Elbert	9/18/01	10:00 AM
b. QC By:		
c. Lab Batch #:	96408	
28. Comments:		

25. Microscope Make/Serial #:	Analysis Methodology
Nikon Labophot 238913	PCM - NIOSH 7400A
☐ Nikon Labophot 238917	TEM - AHERA
☐ Nikon Labophot 239079	

PINK - Lab	GOLDENROD - Field	NY-1 (1/01)
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AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: ATC

2. Project Name: 400 Chambers St.

3. Project # 113

4. Project Monitor: CS

4c. Rotameter Number: 113

5. Date: 9-18-01

6. Abatement Location: San Jo

7. ☒ PCM (0.6 micron MCE)

8. ☐ TEM (0.45 micron MCE)

9. Type: CS

10. Abatement: CS

11. Environmental: CS

12. Ambient: CS

13. Other: CS

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
25		Field Blank	1820	15.0	2100	6/100	10.002
26		Field Blank	1820	15.0	2100	2/100	10.002
27		Field Blank	1820	15.0	2115	2/100	10.002
28		Field Blank	1820	15.0	2115	13/100	0.003
29		Field Blank	1820	15.0	2130	4/100	10.003

CHAIN OF CUSTODY

18. Relinquished By: CS

19. Received By: CS

20. Date: 9/18/01

21. Time: 1800

22. Lab Name: CS

23. Date: 9/18/01

24. Time: 1800

25. Microscope Make/Serial #: CS

26. ATC Project Manager: CS

27. Result To: CS

28. Comments: CS

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

22. Lab Name: CS

23. Date: 9/18/01

24. Time: 1800

25. Microscope Make/Serial #: CS

26. ATC Project Manager: CS

27. Result To: CS

28. Comments: CS

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:		2. Project Name: 2400 Chambers St.		3. Project #		4. Project Monitor: J3 C. P. M. S. O.		4c. Rotameter Number: 113	
5. Date: 9-18-01		6. Abatement Location: 5th Fl		7. PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #		8. TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot #		9. Type: a. Abatement b. Background c. Pre-Abate 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		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. TWA	12b. OWA	12c. Sample Coordinates	Field Blank	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg	16b. Minus Blank	16a. Total Air Vol.	
25			SS	Field Blank	1820	2040	140	15.0	15.0	15	6/100	2100	10.002
26			SK Inside Rm	Field Blank	1827	2041	140	15.0	15.0	15	2/100	2100	10.002
27			SC		1823	2043	141	15.0	15.0	15	2/100	2115	10.002
28			Vehicle ST		1823	2044	141	15.0	15.0	15	13/100	2115	0.003
29			Reg Rm SG		1824	2046	142	15.0	15.0	15	4/100	2130	10.003

CHAIN OF CUSTODY

18. Relinquished By: I. C. Caputo	19. Received By: M. Loui	20. Date: 9/19/01	21. Time: 10:00
II			
III			

26. ATC Project Manager: F. Burkhardt	27. Result To: Beeper/Phone #'s
---------------------------------------	---------------------------------

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

22. Lab Name: A. Elap	23. Date: 09/19/01	24. Time: 16:00
a. Analyzed By: A. Elap	b. QC By:	c. Lab Batch #:
28. Comments:		
25. Microscope Make/Serial #: Nikon Labophot 238913 Nikon Labophot 238917 Nikon Labophot 239079 Analysis Methodology: PCM - NIOSH 7400A TEM - AHERA		



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

PROJECT INFORMATION

1. Client:		2. Project Name		3. Project #		4. Project Monitor: <u>B. Caputo</u>		4c. Rotameter Number: <u>HP 113</u>	
5. Date: <u>9-18-01</u>		6. Abatement Location: <u>Gold Hill</u>		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	
2a. Project Address: <u>400 Chambers St</u>		3a. Task #		4a. Air Sampler: <u>1</u>		f. ☐ Environmental g. ☒ Ambient h. ☐ Other			

DAILY AIR SAMPLE RECORD

0. 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									
30				Bry Rm 6C			1846	2135	175	150	15	2625 3/100	10.002
31				Bry Rm 6C			1841	2136	175	150	15	2625 4/100	10.002
32				Snatch Rm #Y			1842	2137	175	150	15	2625 2/100	10.002
33				Snatch Snatch 6A			1843	2138	175	150	15	2625 3/100	10.002
34				Bry Rm 6B			1844	2139	175	150	15	2625 6/100	10.002

CHAIN OF CUSTODY

8. Relinquished By: <u>B. Caputo</u>		19. Received By: <u>M. L...</u>		20. Date: <u>9/18/01</u>		21. Time: <u>16:00</u>	
I		II		22. Lab Name: <u>A. Elbert</u>		23. Date: <u>09/18/01</u>	
				a. Analyzed By: <u>A. Elbert</u>		24. Time: <u>16:00</u>	
				b. QC By:			
				c. Lab Batch #: <u>96998</u>			
6. ATC Project Manager: <u>B. Caputo</u>		27. Result To: <u>B. Caputo</u>		28. Comments:			
				25. Microscope Make/Serial #: <u>Nikon Labophot 238913</u>			
				☐ Nikon Labophot 238917			
				☐ Nikon Labophot 239079			
				Analysis Methodology: <u>PCM - NIOSH 7400A</u>			
				TEM - AHERA			

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)

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 Number:
9-18-07	200 Chambers St.		B. Caputo	HP 113
5. Date:	6. Abatement Location:	7. PCM (0.8 micron MCE)	8. TEM (0.45 micron MCE)	9. Type:
9-18-07	200 Chambers St.			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		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	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg	
35				2030	2240	130	15.0	15.0	1950	3/100 20.003
36				2031	2243	132	15.0	15.0	1980	2/100 20.002
37				2033	2244	121	15.0	15.0	1815	4/100 20.002
38				2035	2246	121	15.0	15.0	1815	2/100 20.003
39				2036	2247	121	15.0	15.0	1815	3/100 20.003

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
B. Caputo	Alouey	9/19/07	11:00
II			
III			
26. ATC Project Manager:	27. Result To:	28. Comments:	29. Lab Batch #:
B. Caputo			916948
25. Microscope Make/Serial #:			
☒ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079			
Analysis Methodology			
PCM - NIOSH 7400A TEM - AHERA			



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

2-10-04

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 Number:
5. Date:	2a. Project Address	3a. Task #	4a. Air Sampler:	
6. Abatement Location:	7. ☒ TEM (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		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	13a. Start	13b. End	14a. Start	14b. End			
45										
46									0/100	
47				2051	2329	15.0	15.0	15	2370	0/100
48				2052	2328	15.0	15.0	15	2340	0/100
49				2053	2329	15.0	15.0	15	2340	0/100
50				2055	2330	15.0	15.0	15	2325	0/100
51				2058	2331	15.0	15.0	15	2295	0/100

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	M. Borden	9/19/01	12:45
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
25. Analyzed By:	26. QC By:	27. Lab Batch #:
28. Comments:		

25. Microscope Make/Serial #:	26. Analysis Methodology:
☒ Nikon Labophot 238917	OCM - NIOSH 7400A
☐ Nikon Labophot 239079	TEM - AHERA

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field



NEW YORK, NY

AND

CHAIN OF CUSTODY FORM

2 hrs 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs Other

PROJECT INFORMATION

Client: ATC Project Name: 2100 Chambers St. 3. Project # 11250 4. Project Monitor: B. Caruso 4c. Rotameter Number: HP 113

Date: 11-21-10 6. Abatement Location: 11250 7. ☐ PCM (0.8 micron MCE) 8. ☐ TEM (0.45 micron MCE) 9. Type: Abatement 10. ☐ Environmental

2a. Project Address: 2100 Chambers St. NYC 3a. Task # 11250 4a. Air Sampler: 11250 5a. ☐ Background 5b. ☐ Pre-Abate 5c. ☐ OSHA 5d. ☐ Post-Abate 5e. ☐ Other

DAILY AIR SAMPLE RECORD

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. FCC	
		12a. IWA	12b. OWA	12c. Sample Coordinates	13a. Start	13b. End	13c. Total	14a. Start				14b. End
				Field Blank								
				Field Blank								
57				Inside Rm 11R	2143	2343	120	15.0	15.0	1800	7/100	<0.003
58				Bay 11P	2144	2344	120	15.0	15.0	1800	2/100	<0.003
59				Bay Rm 11F	2145	2345	120	15.0	15.0	1800	3/100	<0.003
60				Inside 11H	2146	2346	120	15.0	15.0	1800	1/100	<0.003
61				Bay 11R 11C	2147	2347	120	15.0	15.0	1800	3/100	<0.003

CHAIN OF CUSTODY

Relinquished By: SCARUSO 19. Received By: W. J. [Signature] 20. Date: 11/21/10 21. Time: 12:45 PM

ATC Project Manager: F. Burke/Hard 27. Result To: Beepers Phone # 11250

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

22. Lab Name: ATC 23. Date: 09/19/10 24. Time: 10:40

a. Analyzed By: [Signature] b. QC By: [Signature] c. Lab Batch #: 96949

25. Microscope Make/Serial #: Nikon Labophot 238917 26. ☐ Nikon Labophot 238917 27. ☐ Nikon Labophot 239079

28. Comments: PCM - NIOSH 7400A TEM - AHERA



2 hrs ☐ 4 hrs ☐ 6 hrs ☐ 8 hrs ☐ 12 hrs ☐ 24 hrs ☐ 48 hrs ☐ 72 hrs ☐ Other ☐

PROJECT INFORMATION

Client: Free Chambers, St. 3. Project # 13, CAR use 4c. Rotameter Number: 17P113

2a. Project Address: 400 Chambers St 4a. Air Sampler: 17P113

6. Abatement Location: 12d30 7. PCM (0.3 micron MCE) ☒ TEM (0.45 micron MCE) ☐ 8. Cassette/Filter Manufacture Lot # 17P113

9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☒ Ambient h. ☐ Other

DAILY AIR SAMPLE RECORD

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/GC
		12a. IWA	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End			
62				2250	2450	120	10.5	10.5	1260	1/100	<0.004
63				2251	2451	120	10.5	10.5	1260	4/100	<0.004
64				2252	2452	120	10.5	10.5	1260	3/100	<0.004
65				2253	2453	120	10.5	10.5	1260	3/100	<0.004
66				2254	2454	120	10.5	10.5	1260	4/100	<0.004

CHAIN OF CUSTODY

8. Relinquished By: AS CAR use 19. Received By: W. Miller 20. Date: 9/19/01 21. Time: 12:30 PM

22. Lab Name: Relays 23. Date: 09/19/01 24. Time: 1840

a. Analyzed By: Relays b. QC By: 9/19/01 c. Lab Batch #: 9/19/01

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

26. Analysis Methodology: PCMS-NIOSH 7400A TEM - AHERA

27. Result To: Fred Buckhins Responder Phone # 12d30

28. Comments: 1



ASBESTOS TESTING DATA
AND
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:		2. Project Name		3. Project #		4. Project Monitor:		4c. Rotameter Number:	
5. Date: 9-18-01		2a. Project Address: 400 Chambers St		3a. Task #		4a. Air Samples: Belinda Carver		HP 113	
6. Abatement Location: 14th St		7. PCM (0.8 micron MCE)		8. TEM (0.45 micron MCE)		9. Type:		f. ☐ Environmental	
		Cassette/Filter Manufacture		Cassette/Filter Manufacture		a. ☐ Background		g. ☒ Ambient	
		Lot #		Lot #		b. ☐ Pre-Abate		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	Field Blank	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg		
66				Field Blank							0/100	
67				Field Blank							0/100	
68			Inside Rm D14		0206	0406	120	10.5	10.5	10.5	2/100	20.004
69			Inside Rm R14		0207	0407	120	10.5	10.5	10.5	4/100	40.004
70			Bag Rm KD		0208	0408	120	10.5	10.5	10.5	7/100	70.004
71			Bag 14 F		0209	0409	120	10.5	10.5	10.5	3/100	30.004
72			Stair Well C		0210	0410	120	10.5	10.5	10.5	3/100	30.004

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	M. Bullock	9/19/01	9 AM
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: H. Elliott	09/19/01	13:00
b. QC By:		
c. Lab Batch #:	96997	
28. Comments:		
Analysis Methodology		
PCM - NIOSH 7400A TEM - AHERA		
25. Microscope Make/Serial #: ☒ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079		

26. ATC Project Manager:

Fred Bonkhardt	27. Result To:
	Beeper Phone #:

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



ENVIRONMENTAL DATA
AND
CHAIN OF CUSTODY FORM

ENVIRONMENTAL DATA
AND
CHAIN OF CUSTODY FORM

2 hrs 6 hrs 12 hrs 24 hrs 48 hrs 72 hrs Other

PROJECT INFORMATION

Client:		2. Project Name		3. Project #		4. Project Monitor:		4c. Rotameter Number:	
2a. Project Address: 400 Chambers St		3a. Task #		4a. Air Sampler: Belinda Cauce		4b. Rotameter Number: H P-113			
6. Abatement Location: 15th St		7. PCM (0.8 micron MCE)		8. TEM (0.45 micron MCE)		9. Type:		t. Environmental	
1-18-01		15th St		Cassette/Filter Manufacture Lot #		a. Background		g. Ambient	
						b. Pre-Abate		h. Other	

DAILY AIR SAMPLE RECORD

Sample I.D. Number	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	13a. Start	13b. End	14a. Start	14b. End			
73				0215	0415	120	10.5	1260	2/100	20.004
74				0216	0416	120	10.5	1260	3/100	20.004
75				0217	0417	120	10.5	1260	5/100	20.004
76				0218	0418	120	10.5	1260	2/100	20.004
77				0219	0419	120	10.5	1260	1.5/100	20.004

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	M. L. L. L.	9/19/01	9AM
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: M. L. L. L.	09/19/01	13:30
b. QC By:		
c. Lab Batch #:	96997	
25. Microscope Make/Serial #:		
Nikon Labophot 238913		
Nikon Labophot 238917		
Nikon Labophot 239079		
Analysis Methodology		
PCM - NIOSH 7400A		
TEM - AHERA		

ATC Project Manager:

26. ATC Project Manager:	27. Result To:
Fred Berberich	Beaker Probe #s

Comments:

28. Comments:

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:		2. Project Name		3. Project #		4. Project Monitor:		4c. Rotameter Number:	
5. Date: 9-18-05		6. Abatement Location: 1600-72		7. ☒ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #		8. ☐ TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot #		4a. Air Sampler: Belinda Carrero	
9. 1805		1600-72		7. ☒ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #		8. ☐ TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot #		4c. Rotameter Number: 4 D 113	
9. 1805		1600-72		7. ☒ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #		8. ☐ TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot #		4c. Rotameter Number: 4 D 113	

TURN-AROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☒ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ 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. TWA	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg		
82										0/100	
83										0/100	
78				0230	0436	120	10.5	10.5	10.5	1260	10.004
79				0231	0431	120	10.5	10.5	10.5	1260	10.004
80				0232	0432	120	10.5	10.5	10.5	1260	10.004
81				0233	0433	120	10.5	10.5	10.5	1260	10.004
82				0234	0434	120	10.5	10.5	10.5	1260	10.004

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	McLure	9/19/05	9AM
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: A. Elbert	09/19/05	1300
b. QC By:		
c. Lab Batch #:	96497	
28. Comments:		
25. Microscope Make/Serial #:		
☒ Nikon Labophot 238913		
☐ Nikon Labophot 238917		
☐ Nikon Labophot 239079		
Analysis Methodology		
PCM - NIOSH 7400A		
TEM - AHERA		

ATC Project Manager:

Jared Benhaba

27. Result To:

Beeper/Phone #s

WHITE - File

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)



CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client:		2. Project Name Ambient Sample		3. Project #		4. Project Monitor: Michael		4c. Rotameter Number: FW-01	
Date: 7-19-01		2a. Project Address 17TH HALLWAY & W/A APTS		3a. Task # 400 Chambers		4a. Air Sampler: H. Huber			
6. Abatement Location: W/A APTS		7. PCM (0.8 micron MCE) Cassette/Filler Manufacture Lot #		8. TEM (0.45 micron MCE) Cassette/Filler Manufacture Lot #		9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA		f. ☐ Environmental g. ☒ Ambient h. ☐ Other	

AILY AIR SAMPLE RECORD

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	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
7-01											0/100	
7-02											0/100	
7-03		✓		14:30	17:30	140	7	7	7	1260	7/100	<0.004
7-04		✓		14:32	17:33	141	7	7	7	1267	2/100	<0.004
7-05		✓		14:33	17:34	141	7	7	7	1267	8/100	<0.004
7-06		✓		14:35	17:35	140	7	7	7	1260	7/100	<0.004
7-07		✓		14:37	17:36	141	7	7	7	1267	4/100	<0.004

CHAIN OF CUSTODY

19. Received By: Michael Huber	20. Date: 7-19-01	21. Time: 7:00
22. Lab Name: J. Elbert		
23. Date: 7-19-01		
24. Time: 10:30		
25. Microscope Make/Serial #: Nikon Labophot 238913		
26. Microscope Make/Serial #: Nikon Labophot 238917		
27. Microscope Make/Serial #: Nikon Labophot 239079		
28. Comments: PCM - NIOSH 7400A TEM - AHERA		



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
5. Date:	2a. Project Address	3a. Task #	4a. Air Sampler:	
59-19-01	18th Hallway & W/A APTS.	400 Chambers		FW-01
6. Abatement Location:	7. XPCM (0.8 micron MCE)	8. TEM (0.45 micron MCE)	9. Type:	f. Environmental
			a. Background	g. Ambient
			b. Pre-Abate	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	Field Blank	13a. Start	13b. End	14a. Start	14b. End			
18-01				Field Blank						0/100	
18-02				Field Blank						0/100	
18-03			Center of Room APT B		14:40	17:41	7	7	1267	14/100	0.005
18-04			Center of Room APT D		14:42	17:42	7	7	1260	3/100	0.004
18-05			North Side of Hallway of Center		14:43	17:44	7	7	1267	12/100	0.005
18-06			Center of Hallway of West Side of Hallway		14:45	17:46	7	7	1267	17/100	0.007
18-07					14:46	17:47	7	7	1267	10/100	0.004

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I Michael Johnson	A. Elbert	09/20/01	7:00 PM
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: A. Elbert	09.20.01	12:00
b. QC By:		
c. Lab Batch #:	97020	
25. Microscope Make/Serial #:	Nikon Labophot 238913	
	☐ Nikon Labophot 238917	
	☐ Nikon Labophot 239079	
Analysis Methodology:	PCM - NIOSH 7400A	
	TEM - AHERA	
28. Comments:		

26. ATC Project Manager:

27. Result To:	27. Result To:
Beeper/Phone #s	

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: _____

2. Project Name: Ambient Samples

3. Project #: _____

4. Project Monitor: Michael

4c. Rotameter Number: EW-01

6. Abatement Location: 19 FL Hallway & W/IN APTS

7. TEM (0.8 micron MCE) Cassette/Filter Manufacture _____ Lot # _____

8. TEM (0.45 micron MCE) Cassette/Filter Manufacture _____ Lot # _____

9. Type: ☐ Abatement ☐ Background ☐ Post-Abate ☐ Pre-Abate ☐ OSHA

10. Air Sampler: _____

11. Date: 9-19-01

12. Time (24 hrs clock): _____

13. Flow Rate (L/min.): _____

14. Total Air Vol. (liters): _____

15. # Fibers/Fields Minus Blank: _____

16. Fiber Conc. FCC: _____

17. Environmental ☐ Ambient ☒ Other ☐

DAILY AIR SAMPLE RECORD

11. Sample I.D. 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. FCC
9-01	Field Blank	13a. Start 13b. End	14a. Start 14b. End	14b. Avg	0/100	
9-02	Field Blank	13a. Start 13b. End	14a. Start 14b. End	14b. Avg	0/100	
9-03	Center of Room in Apt R.	14:51 17:52	7 7	7 7	7/100	<0.004
9-04	Center of Room in Apt D.	14:53 17:53	7 7	7 7	2/100	<0.004
9-05	North Side of Hallway of Center	14:54 17:54	7 7	7 7	15/100	0.006
9-06	Hallway of West Side of Hallway	14:56 17:57	7 7	7 7	8/100	<0.004
9-07	West Side of Hallway	14:57 17:58	7 7	7 7	11/100	0.004

CHAIN OF CUSTODY

Relinquished By: Michael

19. Received By: A. Elbert

20. Date: 9/20/01

21. Time: 7:00 PM

22. Lab Name: A. Elbert

23. Date: 09/20/01

24. Time: 9:20

25. Microscope Make/Serial #: Philips Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology: PCM - NIOSH 7400A

TEM - AHERA

26. Result To: Phil B

27. Result To: _____

Beeper Phone # 5 _____

28. Comments: _____

29. Project Manager: Phil B



WATC
AND
WATC

CHAIN OF CUSTODY FORM

OBJECT INFORMATION

Client: _____

2. Project Name: Ambient Sampler

2a. Project Address: 400 Chambers

6. Abatement Location: 207th Hallway & APTs

7. ☐ PCM (0.8 micron MCE) ☐ TEM (0.45 micron MCE)

8. ☐ PCM (0.8 micron MCE) ☐ TEM (0.45 micron MCE)

9. Type: ☐ Abatement ☐ Abatement ☐ Post-Abate ☐ OSHA

10. Project Monitor: Michael

11. Project Task #: _____

12. Rotameter Number: 7W-01

13. Environmental ☐ Ambient ☐ Other

ILY AIR SAMPLE RECORD

Sample I.D. Number	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	13a. Start	13b. End	14a. Start	14b. End			
0-01									0/100	
0-02									0/100	
0-03				15:30	18:31	7	7	1267	1/100	<0.004
0-04				15:33	16:34	7	7	1267	1.5/100	<0.004
0-05				15:35	18:25	7	7	1260	2/100	<0.004
0-06				15:38	18:39	7	7	1267	1/100	<0.004
0-07				15:40	18:41	7	7	1267	1/100	<0.004

AIN OF CUSTODY

19. Received By: [Signature]

20. Date: 09/20/07

21. Time: 7:00

22. Lab Name: H. Elbert

23. Date: 09/20/07

24. Time: 11:20

25. Microscope Make/Serial #: Nikon Labophot 238913

26. Microscope Make/Serial #: Nikon Labophot 238917

27. Result To: [Signature]

28. Comments: PCM - NIOSH 7400A TEM - AHERA



ATC MONITORING DATA
AND
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:		2. Project Name: Ambient Sample		3. Project #		4. Project Monitor: [Signature]		4c. Rotameter Number: TW-01	
5a. Date: 9-19-01		5b. Abatement Location: Hallway & N/A		5c. TEM (0.45 micron MCE)		5d. Cassette/Filter Manufacture		5e. Lot #	
6. Date: 9-19-01		6a. Abatement Location: Hallway & N/A		6b. Cassette/Filter Manufacture		6c. Lot #		6d. Abatement	
7. Date: 9-19-01		7a. Abatement Location: Hallway & N/A		7b. Cassette/Filter Manufacture		7c. Lot #		7d. Abatement	
8. Date: 9-19-01		8a. Abatement Location: Hallway & N/A		8b. Cassette/Filter Manufacture		8c. Lot #		8d. Abatement	

DAILY AIR SAMPLE RECORD

0. 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	13a. Start	13b. End	14a. Start	14b. End			
21-01										
21-02										
21-03				15:46	18:47	7	7	1267	3/100	0.004
21-04				15:49	18:50	7	7	1267	10/100	0.004
21-05				15:50	18:51	7	7	1267	16/100	0.006
21-06				15:51	18:52	7	7	1267	12/100	0.005
21-07				15:52	18:53	7	7	1267	4/100	0.002

CHAIN OF CUSTODY

18. Relinquished By: [Signature]	19. Received By: [Signature]	20. Date: 9/19/01	21. Time: 7:00 PM
19. Relinquished By: [Signature]	20. Date: 9/19/01	21. Time: 7:00 PM	22. Lab Name: A. Elbert
20. Relinquished By: [Signature]	21. Date: 9/19/01	22. Lab Name: A. Elbert	23. Date: 9/19/01
21. Relinquished By: [Signature]	22. Date: 9/19/01	23. Date: 9/19/01	24. Time: 10:00 AM
22. Relinquished By: [Signature]	23. Date: 9/19/01	24. Time: 10:00 AM	25. Microscope Make/Serial #: Nikon Labophot 238917
23. Relinquished By: [Signature]	24. Time: 10:00 AM	25. Microscope Make/Serial #: Nikon Labophot 238917	26. ATC Project Manager: [Signature]
24. Time: 10:00 AM	25. Microscope Make/Serial #: Nikon Labophot 238917	26. ATC Project Manager: [Signature]	27. Result To: [Signature]
25. Microscope Make/Serial #: Nikon Labophot 238917	26. ATC Project Manager: [Signature]	27. Result To: [Signature]	28. Comments: [Signature]
26. ATC Project Manager: [Signature]	27. Result To: [Signature]	28. Comments: [Signature]	29. Analysis Methodology: PCM - NIOSH 7400A
27. Result To: [Signature]	28. Comments: [Signature]	29. Analysis Methodology: PCM - NIOSH 7400A	30. TEM - AHERA



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Quantity Air 3. Project # 0001 4. Project Monitor: Kevin Fitzpatrick 4c. Rotameter Number: SD057

2a. Project Address 400 CHAMBER N.Y.M. 3a. Task # 0001 4a. Air Sampler: FITZPATRICK

6. Abatement Location: 22ND FLOOR 7. ☒ PCM (0.8 micron MCE) 8. ☐ TEM (0.45 micron MCE) 9. Type: Abatement

1. ☐ Environmental
2. ☐ Ambient
3. ☐ Other

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard

☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

DAILY AIR SAMPLE RECORD

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	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
01											0/100	
02											0/100	
03				7:00 pm	9:00 pm	120	15	15	15	1800	2/100	<0.003
04				7:02 pm	9:02 pm	120	15	15	15	1800	1/100	<0.003
05				7:04 pm	9:04 pm	120	15	15	15	1800	1/100	<0.003
06				7:06 pm	9:06 pm	120	15	15	15	1800	2/100	<0.003
07				7:08 pm	9:08 pm	120	15	15	15	1800	1/100	<0.003

CHAIN OF CUSTODY

Relinquished By: Kevin Fitzpatrick 19. Received By: A. Elbert 20. Date: 09/20/09 21. Time: 7:00 am

ATC Project Manager: REP. B 27. Result To: Beeper/Phone #

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

22. Lab Name: A. Elbert 23. Date: 09/20/09 24. Time: 11:00 am

a. Analyzed By: A. Elbert b. QC By: 97023 c. Lab Batch #: 97023

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

Analysis Methodology: PCM - NIOSH 7400A TEM - AHERA

WHITE - File YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Quantum Air 2. Project Name Quantum Air 3. Project # 80001 4. Project Monitor: Kevin 4c. Rotameter Number: 50087

Date: 9-19-01 6. Abatement Location: 23rd Floor 7. ☒ PCM (0.8 micron MCE) 8. ☐ TEM (0.45 micron MCE) 9. Type: Fitigard 9a. Abatement Fitigard 9b. Background Fitigard 9c. Post-Abate Fitigard 9d. Pre-Abate Fitigard 9e. OSHA Fitigard 9f. Environmental Fitigard 9g. Ambient Fitigard 9h. Other Fitigard

DAILY AIR SAMPLE RECORD

11. Sample I.D. 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	13a. Start	13b. End	14a. Start	14b. End			
01								0/100	
02								0/100	
03			7:30 PM	9:30 PM	15	15	1800	1/100	<0.003
04			7:32 PM	9:32 PM	15	15	1800	1/100	<0.003
05			7:34 PM	9:34 PM	15	15	1800	1/100	<0.003
06			7:36 PM	9:36 PM	15	15	1800	2/100	<0.003
07			7:38 PM	9:38 PM	15	15	1800	2/100	<0.003

CHAIN OF CUSTODY

3. Relinquished By: Kevin Fitzgibbon 19. Received By: A. Elbert 20. Date: 09-20-01 21. Time: 7:00 PM

4. ATC Project Manager: RED B. 27. Result To: Beeper/Phone #s

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

22. Lab Name: A. Elbert 23. Date: 09/20/01 24. Time: 9:00 PM

a. Analyzed By: A. Elbert b. QC By: 97014 c. Lab Batch #: 97014

25. Microscope Make/Serial #: Nikon Labophot 238917 26. Analysis Methodology: PCM - NIOSH 7400A TEM - AHERA



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Mgr/Officer	4c. Rotameter Number:
6. Abatement Location:	2a. Project Address	3a. Task #	4a. Air Sample:	
5. Date:	7. PCM (0.8 micron MCE)	8. TEM (0.45 micron MCE)	9. Type:	f. Environmental
09-09-01	24TH Floor	Westerly	a. Background	g. Ambient
	Lot #	Lot #	b. Pre-Abate	h. Other

TURNAROUND TIME

☐ 2 hrs	☐ 6 hrs	☐ 48 hrs	☐ Standard
☐ 4 hrs	☐ 24 hrs	☐ 72 hrs	☐ 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	13a. Start	13b. End	14a. Start	14b. End			
01										
02										
03				7:46 PM	9:46 PM	15	15	1800	0/100	<0.003
04				7:48 PM	9:48 PM	15	15	1800	0/100	<0.003
05				7:50 PM	9:50 PM	15	15	1800	1.5/100	<0.003
06				7:52 PM	9:52 PM	15	15	1800	1/100	<0.003
07				7:54 PM	9:54 PM	15	15	1800	2/100	<0.003

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I. [Signature]	J. [Signature]	09/09/01	7:00 PM
II. [Signature]			
III. [Signature]			
26. ATC Project Manager:	27. Result To:	28. Comments:	
FRED B			
25. Microscope Make/Serial #:		25. Microscope Make/Serial #:	
☐ Nikon Labophot 238913		☐ Nikon Labophot 238913	
☐ Nikon Labophot 238917		☐ Nikon Labophot 238917	
☐ Nikon Labophot 239079		☐ Nikon Labophot 239079	
Analysis Methodology		Analysis Methodology	
PCM - NIOSH 7400A		PCM - NIOSH 7400A	
TEM - AHERA		TEM - AHERA	



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: QUALITY AIR

3. Project # _____

4. Project Monitor: John

4c. Rotameter Number: 5087

5. Date: 9-19-01

6. Abatement Location: 25th Fl

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

10. Abatement: 5087

11. Environmental
a. ☒ Ambient b. ☐ Other

DAILY AIR SAMPLE RECORD

Sample I.D. Number	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	13a. Start	13b. End	13c. Total	14a. Start	14b. End			
01										0/100	
02										0/100	
03				8:00	11:00	180	10	10	1800	1/100	40.003
04				8:02	11:02	180	10	10	1800	1.5/100	40.003
05				8:04	11:04	180	10	10	1800	1/100	40.003
06				8:06	11:06	180	10	10	1800	1/100	40.003
07				8:09	11:09	180	10	10	1800	2/100	40.003

CHAIN OF CUSTODY

8. Relinquished By: [Signature]

19. Received By: [Signature]

20. Date: _____

21. Time: _____

22. Lab Name: _____

23. Date: _____

24. Time: _____

a. Analyzed By: A. Elbert

b. QC By: _____

c. Lab Batch #: 97025

25. Microscope Make/Serial #: Nikon Labophot 238917

26. Project Manager: FRED B

27. Result To: _____
Beeper/Phone #'s _____

28. Comments: _____

Analysis Methodology: PCM-NIOSH 7400A

TEM - AHERA

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 01 of 01

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
5. Date:	2a. Project Address	3a. Task #	4a. Air Sampler:	FW-01
39-19-01	26 FL HALLWAY & APTS	200 Chambers-		
6. Abatement Location:	7. PCM (0.8 micron MCE)	8. TEM (0.45 micron MCE)	9. Type:	1. Environmental
26 FL HALLWAY & APTS	Cassette/Filter Manufacture	Cassette/Filter Manufacture	a. Background	g. Ambient
	Lot #	Lot #	b. Pre-Abate	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. TWA	12b. OWA	13a. Start	13b. End	14a. Start	14b. End			
26-01									0/100	
26-02									0/100	
26-03				20:45	22:46	15	15	1800	1.5/100	20.003
26-04				20:46	22:47	15	15	1800	1/100	20.003
26-05				20:48	22:49	15	15	1800	1/100	20.003
26-06				20:49	22:50	15	15	1800	2/100	20.003
26-07				20:50	22:51	15	15	1800	1/100	20.003

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I [Signature]	WB	9/20/01	pm
II			
III			
26. ATC Project Manager:	27. Result To:	28. Comments:	
Phil B.	Beeper/Phone #'s		
LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)			
22. Lab Name:	a. Analyzed By:	23. Date:	24. Time:
	H. Elbert	09/20/01	8:20
	b. QC By:		
	c. Lab Batch #:	97015	
25. Microscope Make/Serial #			
Nikon Labophot 238913			
25. Microscope Make/Serial #			
Nikon Labophot 238917			
25. Microscope Make/Serial #			
Nikon Labophot 239079			
Analysis Methodology			
PCM - NIOSH 7400A			
TEM - AHERA			



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

PROJECT INFORMATION

1. Client: <u>09-AP-1</u>		2. Project Name: <u>QUALITY AIR</u>		3. Project #		4. Project Monitor: <u>Keen</u>		4c. Rotameter Number: <u>50087</u>	
5. Date: <u>09-AP-1</u>		6. Abatement Location: <u>27th Floor</u>		7. PCM (0.8 micron MCE) <u>yes</u>		8. ☐ TEM (0.45 micron MCE)		9. Type: <u>15</u>	
2a. Project Address: <u>VOOCHAMBER NYP</u>		3a. Task # <u>00001</u>		4a. Air Sampler: <u>15</u>		c. ☐ Abatement		f. ☐ Environmental	
7. <u>PCM</u> (0.8 micron MCE)		8. <u>yes</u>		9. <u>15</u>		d. ☐ Background		g. ☒ Ambient	
Lot #		Lot #		Lot #		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	13a. Start	13b. End	14a. Start	14b. End			
01										
02										
03				01:00	01:00	15	15	1800	1/100	10.003
04				01:02	01:02	15	15	1800	2/100	10.003
05				01:04	01:04	15	15	1800	1/100	10.003
06				01:06	01:06	15	15	1800	1/100	10.003
07				01:10	01:10	15	15	1800	1.5/100	10.003

CHAIN OF CUSTODY

18. Relinquished By: <u>I. Kim F. [Signature]</u>	19. Received By: <u>A. Elbert</u>	20. Date: <u>09/20/09</u>	21. Time: <u>7:00</u>
II <u>[Signature]</u>			
III <u>[Signature]</u>			

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

22. Lab Name: <u>A. Elbert</u>	23. Date: <u>09/20/09</u>	24. Time: <u>8:00</u>
a. Analyzed By: <u>A. Elbert</u>		
b. QC By: <u>[Signature]</u>		
c. Lab Batch #: <u>97016</u>		
25. Microscope Make/Serial #: <u>Nikon Labophot 238917</u>		
26. Project Manager: <u>FRED B</u>		
27. Result To: <u>Beeper/Phone #'s</u>		
28. Comments: <u>Analysis Methodology: PCM - NIOSH 7400A, TEM - AHERA</u>		

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

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

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
5. Date:	2a. Project Address	3a. Task #	4a. Air Sampler:	50087
5A-9C1	28TH FLOOR	400 CHAMBER	4b. Project Address	
6. Abatement Location:	7. PCM (0.8 micron MCE)	8. TEM (0.45 micron MCE)	9. Type:	f. Environmental
28TH FLOOR	28TH FLOOR	400 CHAMBER	a. Back-ground	g. Ambient
	Lot #	Lot #	b. Pre-Abate	h. Other
			c. Abatement	
			d. Post-Abate	
			e. OSHA	

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. FCC
			13a. Start	13b. End	14a. Start	14b. End			
01		Field Blank						0/100	
02		Field Blank						0/100	
03		INSIDE APT D 28TH FLOOR	11:45	12:00	15	15	1800	1/100	<0.003
04		INSIDE APT R 28TH FLOOR	11:47	12:00	15	15	1800	1/100	<0.003
05		INSIDE CLEAN LAUNDRY ROOM 28TH FLOOR	11:48	12:00	15	15	1800	1/100	<0.003
06		SOUTH SIDE OF 28TH FV	11:51	12:00	15	15	1800	1.5/100	<0.003
07		EAST SIDE OF 28TH FV	11:53	12:00	15	15	1800	2/100	<0.003

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
James F. [Signature]	A. Elbert	09/26/11	11:45
II			
III			
26. ATC Project Manager:	27. Result To:	28. Comments:	29. Analysis Methodology
FRED B.	Beeper/Phone #		PCM - NIOSH 7400A TEM - AHERA

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

22. Lab Name:	23. Date:	24. Time:	25. Microscope Make/Serial #:
A - Elbert	09/26/11	11:45	Nikon Labophot 238917
a. Analyzed By:	b. QC By:	c. Lab Batch #:	
		97018	

PINK - Lab

YELLOW - Client/Report

WHITE - File

GOLDENROD - Field

NY-1 (1/01)



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
PH 1401	Amberst Samples	3a. Task #	4a. Air Sampler:	FW-01
5. Date:	6. Abatement Location:	7. TEM (0.8 micron MCE)	8. TEM (0.45 micron MCE)	9. Type:
3-14-01	PH Hallway & Apts	Cassette/Filter Manufacture	Cassette/Filter Manufacture	a. ☐ Background
		Lot #	Lot #	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		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	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg		
PH-01											
PH-02											
PH-03				21:30	23:30	120	15	15	15	0/100	0.003
PH-04				21:31	23:31	120	15	15	15	4/100	0.003
PH-05				21:32	23:33	121	15	15	15	7/100	0.003
PH-06				21:34	23:35	121	15	15	15	11/100	0.003
PH-07				21:35	23:36	121	15	15	15	3/100	0.003
										2/100	0.003

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
Michael J. [Signature]	A. Elbert	08-20-01	7:00
II			
III			
26. ATC Project Manager:	27. Result To:	28. Comments:	
Phred B. [Signature]	Beeper/Phone #s		
LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)			
22. Lab Name:	a. Analyzed By:	23. Date:	24. Time:
	A. Elbert	08-20-01	8:00
	b. QC By:		
	c. Lab Batch #:	97017	
25. Microscope Make/Serial #:	Analysis Methodology		
Nikon Labophot 238913	PGM - NIOSH 7400A		
☐ Nikon Labophot 238917	TEM - AHERA		
☐ Nikon Labophot 239079			

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)

**Tribeca Park – 400 Chambers Street
Related Management Company, L.P.**

**ATC Project No.: 09622-0012
February 15, 2002**

Asbestos Bulk Sample Results

Fiberglass in Air

PCB's in Air

Metals in Air

Dioxins in Air

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM



PROJECT INFORMATION

1. Client: Tribea	2. Project Name	3. Project #	4. Project Monitor: 03040000	4b. Air Sampler:	4c. Monitoring Station:
5. Date: 11/28/01	6. Abatement Location: floors	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

[illegible]

CHAIN OF CUSTODY

CHAIN OF CUSTODY		25. Microscope Make/Serial #:	
18. Relinquished By:		☒ Nikon Labophot 238913	
I O'Leary		☐ Nikon Labophot 238917	
II		☐ Nikon Labophot 239079	
III		Analysis Methodology	
19. Received By:		22. Lab Name:	
20. Date:		a. Analyzed By:	
21. Time:		b. QC By:	
22. Lab Batch #:		23. Date:	
24. Time:		25. Comments:	
26. AIC Project Manager:		27. Result To:	
28. Project Manager:		29. Project Manager:	
30. Project Manager:		31. Project Manager:	
32. Project Manager:		33. Project Manager:	
34. Project Manager:		35. Project Manager:	
36. Project Manager:		37. Project Manager:	
38. Project Manager:		39. Project Manager:	
40. Project Manager:		41. Project Manager:	
42. Project Manager:		43. Project Manager:	
44. Project Manager:		45. Project Manager:	
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48. Project Manager:		49. Project Manager:	
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258. Project Manager:		259. Project Manager:	
260. Project Manager:		261. Project Manager:	
262. Project Manager:		263. Project Manager:	
264. Project Manager:		265. Project Manager:	

NY-1 (1/01)



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: Tr. Bee	2. Project Name Yoo Chaney St	3. Project # 050604	4. Project Monitor: OSoloway	4c. Rotameter Number: HP-85
5. Date: 11.19.01	6. Abatement Location: PCMC (0.8 micron MCE)	7. PCM (0.45 micron MCE) Cassette/Filter Manufacture Lot #	9. Type: a. ☐ Background b. ☐ Pre-Abate	1. ☐ 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	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
P01												
P02												
P03		X				9:50	10:00	30	10.0	10.0	10	20004
P04		X				9:58	10:08	130	10.0	10.0	10	20004
P05		X				10:05	10:15	130	10.0	10.0	10	20004
P06		X				10:12	10:22	130	10.0	10.0	10	20004
P07		X				10:19	10:28	130	10.0	10.0	10	20004
P08		X				10:24	10:29	130	10.0	10.0	10	20004

CHAIN OF CUSTODY

18. Relinquished By: I O Soloway	19. Received By: R. Drondina	20. Date: 11.19.01	21. Time: 21.30
II			
III			

22. ATC Project Manager F. Burkhardt	27. Result To: F. Burkhardt
Beeper/Phone #	

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: R. Drondina	11.19.01	22.00
b. QC By:		
c. Lab Batch #:	98022	
28. Comments:		

25. Microscope Make/Serial #: PCMC 1025	26. Analysis Methodology: PCM - NIOSH 7400A
☐ Nikon Labophot 238913	☐ Nikon Labophot 238917
☐ Nikon Labophot 239079	☐ Nikon Labophot 239079

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

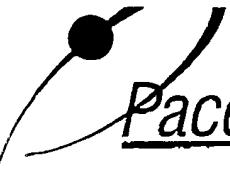
NY-1 (1/01)

FEB-14-02 11:09

FROM-PACE ANALYTICAL

612-607-6444

T-452 P.02/04 F-677

1700 Elm Street - Suite 200
Minneapolis, MN 55414Tel: 612-607-1700
Fax: 612-607-6444 **Pace Analytical**TM**Method 23 Analysis Results**

Client - ATC

Client's Sample ID	P-1 CHAMBERS ST		
Lab Sample ID	103286951		
Filename	F20212B_06	Matrix	PUF
Injected By	BAL	Dilution	NA
Amount Extracted	421.92 m3	Collected	01/23/2002
ICAL Date	01/25/2002	Received	01/25/2002
CCal Filename(s)	F20212B_02	Extracted	01/29/2002
Method Blank ID	BLANK-1441	Analyzed	02/13/2002 00:34

Native Isomers	Conc pg/m3	EMPC pg/m3	LRL pg/m3		Internal Standards	ng's Added	Percent Recovery
2,3,7,8-TCDF	0.015	-----	0.0065	JA	2,3,7,8-TCDF-13C	2.00	80
Total TCDF	0.470	-----	0.0047		2,3,7,8-TCDD-13C	2.00	82
					1,2,3,7,8-PeCDF-13C	2.00	90
2,3,7,8-TCDD	-----	0.0076	0.0047	I	1,2,3,7,8-PeCDD-13C	2.00	97
Total TCDD	0.500	-----	0.0047		1,2,3,6,7,8-HxCDF-13C	2.00	81
					1,2,3,6,7,8-HxCDD-13C	2.00	77
1,2,3,7,8-PeCDF	ND	-----	0.0240		1,2,3,4,6,7,8-HpCDF-13C	2.00	71
2,3,4,7,8-PeCDF	ND	-----	0.0240		1,2,3,4,6,7,8-HpCDD-13C	2.00	74
Total PeCDF	0.072	-----	0.0240	J	OCDD-13C	4.00	63
1,2,3,7,8-PeCDD	ND	-----	0.0240		Recovery		
Total PeCDD	0.046	-----	0.0240	J	Standards		
					1,2,3,4-TCDD-13C	2.00	NA
1,2,3,4,7,8-HxCDF	ND	-----	0.0240		1,2,3,7,8,9-HxCDD-13C	2.00	NA
1,2,3,6,7,8-HxCDF	ND	-----	0.0240				
2,3,4,6,7,8-HxCDF	ND	-----	0.0240		Surrogates		
1,2,3,7,8,9-HxCDF	ND	-----	0.0240		2,3,7,8-TCDD-37Cl4	2.00	103
Total HxCDF	0.029	-----	0.0240	J	2,3,4,7,8-PeCDF-13C	2.00	105
					1,2,3,4,7,8-HxCDF-13C	2.00	112
1,2,3,4,7,8-HxCDD	ND	-----	0.0240		1,2,3,4,7,8-HxCDD-13C	2.00	128
1,2,3,6,7,8-HxCDD	ND	-----	0.0240		1,2,3,4,7,8,9-HpCDF-13C	2.00	99
1,2,3,7,8,9-HxCDD	ND	-----	0.0240				
Total HxCDD	0.050	-----	0.0240	J			
1,2,3,4,6,7,8-HpCDF	ND	-----	0.0240		Total 2,3,7,8-TCDD		
1,2,3,4,7,8,9-HpCDF	ND	-----	0.0240		Equivalence: 0.0021 pg/m3		
Total HpCDF	ND	-----	0.0240		(Using ITE Factors)		
1,2,3,4,6,7,8-HpCDD	0.046	-----	0.0240	J			
Total HpCDD	0.091	-----	0.0240	J			
OCDF	ND	-----	0.0470				
OCDD	0.170	-----	0.0470	J			

Conc = Concentration (Totals include 2,3,7,8-substituted isomers).
 EMPC = Estimated Maximum Possible Concentration
 LRL = Lower Reporting Limit
 J = Concentration detected is below the calibration range
 B = Less than 10 times higher than method blank level
 P = Recovery outside of target range
 Nn = Value obtained from additional analysis
 A = Detection Limit based on signal to noise

I = Interference
 E = PCDE Interference
 S = Saturated signal
 ND = Not Detected
 NA = Not Applicable
 NC = Not Calculated

Report No.....02-1053453

REPORT OF LABORATORY ANALYSIS

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 without the written consent of Pace Analytical Services, Inc.



Eight School Street
Weymouth, MA 02189
781-337-9334

Laboratory Report

Customer: ATC Associates
104 East 25th Street
New York, NY 10010

Report Date 1/28/02
Workorder No. 0201-00197

Attention: Mr. Fred Burkhart
Subject: 225 RECTOR + 400 CHAMBERS

Sample: 001 225 RECTOR-2 88.2 LITERS
Date: 1/23/02
Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
PCBs in Air					MB	01/25/02	
PCB-1016	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1221	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1232	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1242	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1248	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1254	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1260	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1262	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1262	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	

Sample: 002 400 CHAMBERS-1 88.2 LITERS
Date: 1/23/02
Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
PCBs in Air					MB	01/25/02	
PCB-1016	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1221	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1232	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1242	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1248	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1254	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1260	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1262	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1262	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 ME:MA069 NJ: 59744

Page: 1 of 5



Customer: ATC Associates

Workorder No. 0201-00197

Sample: 003 225 RECTOR-3 720 LITERS
 Date: 1/23/02
 Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
ICP Elemental Scan							
Silver, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Aluminum, Air	ICP, NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Arsenic, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Boron	NIOSH 7300	ND	ug/M3	13.9	VEN	01/28/02	
Barium, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Beryllium, Air	ICP, NIOSH	ND	ug/m3	0.111	VEN	01/28/02	
Calcium, Air	ICP, NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Cadmium, Air	ICP, NIOSH 7300	ND	ug/m3	0.111	VEN	01/28/02	
Chromium, Air	ICP, NIOSH 7300	ND	ug/m3	0.833	VEN	01/28/02	
Copper, Air	200.7	ND	ug/m3	6.94	VEN	01/28/02	
Iron, Air	ICP, NIOSH 7300	ND	ug/m3	8.33	VEN	01/28/02	
Manganese, Air	ICP, NIOSH 7300	ND	ug/m3	0.417	VEN	01/28/02	
Magnesium	NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Molybdenum	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Sodium	NIOSH 7300	ND	ug/M3	55.6	VEN	01/28/02	
Nickel, Air	ICP, NIOSH 7300	ND	ug/m3	1.11	VEN	01/28/02	
Lead, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Antimony	NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Selenium, Air	ICP, NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Tin	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Zinc, Air	200.7, EPA 1987	ND	ug/m3	1.39	VEN	01/28/02	
Titanium	NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Cobalt	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Thallium	NIOSH 7300	ND	ug/M3	1.11	VEN	01/28/02	
Potassium	NIOSH 7300	ND	ug/M3	13.9	VEN	01/28/02	
Vanadium	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	

Sample: 004 400 CHAMBERS-4 720 LITERS
 Date: 1/23/02
 Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
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Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 ME:MA069 NJ: 59744

Page: 2 of 5



Customer: ATC Associates

Workorder No. 0201-00197

Sample: 004 400 CHAMBERS-4 720 LITERS
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
ICP Elemental Scan							
Silver, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Aluminum, Air	ICP, NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Arsenic, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Boron	NIOSH 7300	ND	ug/M3	13.9	VEN	01/28/02	
Barium, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Beryllium, Air	ICP, NIOSH	ND	ug/m3	0.111	VEN	01/28/02	
Calcium, Air	ICP, NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Cadmium, Air	ICP, NIOSH 7300	ND	ug/m3	0.111	VEN	01/28/02	
Chromium, Air	ICP, NIOSH 7300	ND	ug/m3	0.833	VEN	01/28/02	
Copper, Air	200.7	ND	ug/m3	6.94	VEN	01/28/02	
Iron, Air	ICP, NIOSH 7300	ND	ug/m3	8.33	VEN	01/28/02	
Manganese, Air	ICP, NIOSH 7300	ND	ug/m3	0.417	VEN	01/28/02	
Magnesium	NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Molybdenum	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Sodium	NIOSH 7300	ND	ug/M3	55.6	VEN	01/28/02	
Nickel, Air	ICP, NIOSH 7300	ND	ug/m3	1.11	VEN	01/28/02	
Lead, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Antimony	NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Selenium, Air	ICP, NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Tin	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Zinc, Air	200.7, EPA 1987	ND	ug/m3	1.39	VEN	01/28/02	
Titanium	NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Cobalt	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Thallium	NIOSH 7300	ND	ug/M3	1.11	VEN	01/28/02	
Potassium	NIOSH 7300	ND	ug/M3	13.9	VEN	01/28/02	
Vanadium	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	

Sample: 005 METALS BLANK
Date: 1/23/02
Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
ICP Elemental Scan							
Silver, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 ME:MA069 NJ: 59744

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Customer: ATC Associates

Workorder No. 0201-00197

Sample: 005 METALS BLANK
(Continued)

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
Aluminum, Air	ICP, NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Arsenic, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Boron	NIOSH 7300	ND	ug/M3	13.9	VEN	01/28/02	
Barium, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Beryllium, Air	ICP, NIOSH	ND	ug/m3	0.111	VEN	01/28/02	
Calcium, Air	ICP, NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Cadmium, Air	ICP, NIOSH 7300	ND	ug/m3	0.111	VEN	01/28/02	
Chromium, Air	ICP, NIOSH 7300	ND	ug/m3	0.833	VEN	01/28/02	
Copper, Air	200.7	ND	ug/m3	6.94	VEN	01/28/02	
Iron, Air	ICP, NIOSH 7300	ND	ug/m3	8.33	VEN	01/28/02	
Manganese, Air	ICP, NIOSH 7300	ND	ug/m3	0.417	VEN	01/28/02	
Magnesium	NIOSH 7300	ND	ug/m3	13.9	VEN	01/28/02	
Molybdenum	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Sodium	NIOSH 7300	ND	ug/M3	55.6	VEN	01/28/02	
Nickel, Air	ICP, NIOSH 7300	ND	ug/m3	1.11	VEN	01/28/02	
Lead, Air	ICP, NIOSH 7300	ND	ug/m3	0.278	VEN	01/28/02	
Antimony	NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Selenium, Air	ICP, NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Tin	NIOSH 7300	ND	ug/m3	1.39	VEN	01/28/02	
Zinc, Air	200.7, EPA 1987	ND	ug/m3	1.39	VEN	01/28/02	
Titanium	NIOSH 7300	ND	ug/M3	0.556	VEN	01/28/02	
Cobalt	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	
Thallium	NIOSH 7300	ND	ug/M3	1.11	VEN	01/28/02	
Potassium	NIOSH 7300	ND	ug/M3	13.9	VEN	01/28/02	
Vanadium	NIOSH 7300	ND	ug/M3	1.39	VEN	01/28/02	

Sample: 006 PCB BLANK
Date: 1/23/02
Matrix: AIR

Parameter	Method	Results	Units	PQL	Analyst	Analysis Date	Qual
PCBs in Air					MB	01/25/02	
PCB-1016	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1221	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1232	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 ME:MA069 NJ: 59744

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Customer: ATC Associates

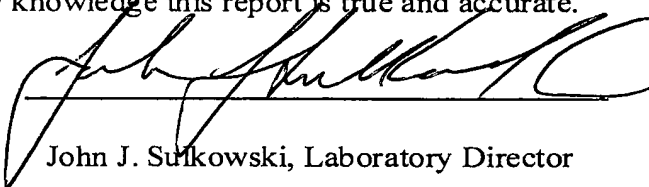
Workorder No. 0201-00197

Sample: 006 PCB BLANK
(Continued)

<u>Parameter</u>	<u>Method</u>	<u>Results</u>	<u>Units</u>	<u>PQL</u>	<u>Analyst</u>	<u>Analysis Date</u>	<u>Qual</u>
PCB-1242	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1248	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1254	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1260	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1262	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	
PCB-1262	NIOSH 5503	ND	mg/M3	0.001	MB	01/25/02	

To the best of my knowledge this report is true and accurate.

Authorized By:



John J. Sulkowski, Laboratory Director



SCILAB BOSTON, INC.

8 School Street Weymouth, MA 02189-8951
781 337-9334 / FAX 781 337-7642

WORK ORDER NO. 02-01-197

DUE DATE 1-28-02

COMPANY: ATC ASSOCIATES INC
104 E 25 ST
NY NY 10010
PHONE: (212) 353-8280 FAX #: (212) 353-8306

P.O.#.

CLIENT CONTACT:

PROJECT #: Related Management

SCILAB SAMPLE #	CLIENT SAMPLE IDENTIFICATION	SAMPLE TYPE	CONTAINER		SAMPLING INFORMATION		PRESERVATIVES	REPORT PACKAGES
			SIZE	TYPE	DATE	TIME		
1	225 RECTOR - 2				1/23	88.2g	X	MWRA ☐
2	400 CHAMBERS - 1				1/23	88.2g	X	NIPDES ☐
3	225 RECTOR - 3				1/23	720g	X	RDR ☐
4	400 CHAMBERS - 4				1/23	720g	X	MA. DEP ☐
5	MCMK BLANK				1/23	-	X	NIDEP (AIR) ☐
6	REB BLANK				1/23	-	X	COMPLIANCE ☐
								OTHER ☐
					</			

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