



104 East 25th St., 10th Floor
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8306

July 3, 2002

Warren & Panzer Engineers, P.C.
228 E. 45th Street
New York, NY 10017

Attn: Mr. Fabio Pedone

Re: Report of TEM Analysis

Dear Mr. Pedone:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8380.

Client: NYCDEP
Address: 19 Park Place, NY, NY
Location: Roof Clean-up
Samples received: 07/02/02

These results will confirm and document the data transmitted to you by telephone and Fax today. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses are as indicated on the attached document.

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.

The analyses were supervised by Dr. Michael A. Goryski, Director of Electron Microscopy.

We are pleased to note that our TEM lab has received full accreditation from NVLAP and also approval under the NY State DOH ELAP program, as is currently required for recognized analysis of TEM air samples for AHERA projects. 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. Goryski', is written over the typed name.

Michael A. Goryski, 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. Fabio Pedone

Warren & Panzer Engineers, P.C.

228 E. 45th Street

New York

NY 10017

Fax: (212) 922-0630

Phone: (212) 922-0077

Received: 7/2/02 3:30:00 PM

ATC Group #: 8780-9380 *PLW*

Analysis Date: 7/3/02

Project: NYC-DEP W & P File #: 1079.01.02

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

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²)	(S/cc)	Notes
001A 8780 -1	1440.00	0.0562	0	None Detected	0	0	0.0048	<17.79	<0.0048
002A 8780 -2	1440.00	0.0562	0	CHRYSTILE	1	0	0.0048	17.79	0.0048
003A 8780 -3	1440.00	0.0562	0	None Detected	0	0	0.0048	<17.79	<0.0048
004A 8780 -4	1440.00	0.0562	0	None Detected	0	0	0.0048	<17.79	<0.0048
005A 8780 -5	1440.00	0.0562	0	None Detected	0	0	0.0048	<17.79	<0.0048

MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

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

Accredited for NVLAP PLWTEM #101187-0, NY State ELAP #10879

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WARREN & PANZER ENGINEERS, P. C.

PAGE 1 OF 1

AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

24 hr⁺/a 12 hr⁺/a 6 hr⁺/a 3 hr⁺/a Immediate ⁺/a P.O.

CLIENT: NY DEP
PROJECT: Roof-Clean-up
LOCATION: 19 Park Place

W&P FILE #: 10790102

LABORATORY: ATC

ANALYSIS METHOD: PCM

okle one

TECHNICIAN: N. Wells

CONTACT: Mike Nolan

LLW#:

SCA JOB#:

SAMPLE NUMBER	SAMPLE DESCRIPTION/LOCATION	SAMPLE TYPE	PUMP #	FLOWRATE START	STOP	TIME ON	OFF	TOTAL TIME	VOLUME (liters)	CONCENTR (lb./cc.)
001A	Stairway leading to roof area	3		6	6	09:30	13:30	240	1440	
002A	Entrance to roof area	3		6	6	09:31	13:31	240	1440	
003A	Center area of roof I.W.A	3		6	6	09:32	13:32	240	1440	
004A	right side by fire escape I.W.A	3		6	6	09:33	13:33	240	1440	
005A	left side of roof I.W.A	3		6	6	09:34	13:34	240	1440	
006	field blank									
007	field blank									

COMMENTS: Construction site adj to bldg

SAMPLE BY: N. Wells	DATE: 9/2
SIGNATURE: N. Wells	
RELEASED BY:	DATE:
SIGNATURE:	
RECEIVED BY: ATC	DATE: 7/2/02
SIGNATURE: J. J.	15:30

SAMPLE TYPE CODES	
1 - Blank	5 - Final Clearance (inside)
2 - Pre-Abatement	6 - Final Clearance (outside)
3 - During Abatement	7 - Personal
4 - During Glove Bag Removal	8 - Background

REF REVERSE SIDE FOR ADDITIONAL INFORMATION

ATC Associates

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MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

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AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM

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P.O.

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LOCATION: 19 Park Place

W&P FILE #: 10790102

LABORATORY: ATC

ANALYSIS METHOD: PCM
circle one

TECHNICIAN: N. Wells

CONTACT: Mike Nolan

LLW#:

SCA JOB#:

TEM
AHERA
EPA LEVEL II

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006	field blank							
007	field blank							

COMMENTS: Construction site adj to bldg

SAMPLE BY: N. Wells DATE: 7/2
SIGNATURE: Nicole Wells
RELEASED BY: DATE:
SIGNATURE: DATE: 7/2/02
RECEIVED BY: ATC
SIGNATURE: JF 1/5:30

SAMPLE TYPE CODES

1 - Blank	5 - Final Clearance (inside)
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SEE REVERSE SIDE FOR ANALYSIS INFORMATION