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Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 09/28/01

ASBESTOS FIBER ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY (TEM)

With Fiber Identification by Selected-Area Electron Diffraction (SAED) and Energy-Dispersive X-RAY Spectroscopy (EDS)
Method: AHERA Final Rule, EPA Federal Register (40 CFR, Part 763), Vol. 52, No. 210, October 30, 1987

Sample Identification

Analysis Parameters

Project/Site: 40 Rector Street, NY, NY

Floors 15-17

Date Received: 09/28/01

Project Sample No.: T11

Air Volume: 1260 liters

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um

Effective Area: 385 mm2

TEM Sample No.: 5574 - 59640

Grid Openings Analyzed: 6

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0674 mm2

Analytical Sensitivity: 14.8 s/mm2
0.0045 s/cc

FIBROUS PARTICULATES ANALYZED

Number Observed

CONCENTRATION

	<u>Number Observed</u>			<u>CONCENTRATION</u>			<u>Filter</u>		<u>Air</u>
	<u>Single Fibers</u>	<u>Bundles</u>	<u>Clusters</u>	<u>Matrix Struct.</u>	<u>Total Struct.</u>	<u>Total Struct. >=5um</u>	<u>Struct/mm2</u>	<u>Struct/cc</u>	<u>ngm/m3</u>
Chrysotile Asbestos	0	0	0	1	1	0	14.8	0.0045	150
Amphibole Asbestos	0	0	0	0	0	0	0.0	0.0000	0
Ambiguous	0	0	0	0	0	0	0.0	0.0000	0
Total asbestos (includes ambiguous structures)					1	0	14.8	0.0045	150
Non-Asbestos	0	0	0	0	0	0	0.0	0.0000	N/A
No Identification	0	0	0	0	0	0	0.0	0.0000	N/A
Totals (All Structures)					1	0	14.8	0.0045	N/A

The estimated uncertainty of this analysis is 1 standard deviation.

Non-asbestos fiber i.d. (EDS/SAED): None detected
Amphibole Asbestos Type: None detected

The Analysis was carried out in accordance with the approved TEM method.
This laboratory is in compliance with the quality specified for the method.

Analyzed by:

Marek Peysakhov

Report Reviewed by:

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