NYC 9/11 Public Portal Document

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Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 09/29/01

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

Project/Site: 40 Rector Street, NY, NY
Foors 6, 7, 3, 4, 11, 2, 1/Lobby
Date Received: 09/29/01

Project Sample No.: T33

Air Volume: 1260 liters

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um
Effective Area: 385 mm2

Analysis Parameters

TEM Sample No.: 5579 - 59756

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		
	Single Fibers	Bundles	Clusters	Matrix Struct.	Total. Struct.	Total Struct. >=5um	Filter Struct/mm2	Air Struct/cc	Air nqm/m3
Chrysotile Asbestos	0	0	1	0	1	1	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	1	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	1	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:

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Director of Electron Microscopy