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Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 10/10/01

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 140 CFR, Part 7631, Vol. 32, No. 210, October 30, 1997

Sample Identification

Analysis Parameters

Project Site: Bechtel, WTC Emerg., NY, NY

Turner/AMEC

Date Received: 10/11/01

Project Sample No: 1001

Air Volume: 948 liters

Filter Type: MCE 25 mm diam., Pore Size: 0.45 um
Effective Area: 105 mm2

TEM Sample No.: 5653, 100101

Grid Openings Analyzed: 3

Average Grid Opening: 106.00 um

Total Area Analyzed: 2.0895 mm2

Analytical Sensitivity: 11.1 g/mm2
0.0050 g/gc

FIBROUS PARTICULATES ANALYZED

Number Observed

CONCENTRATION

	Number Observed			Total			Filter		Air
	Single Fibers	Bundles	Clusters	Matrix Struct.	Total Struct.	Sum	Struct./mm2	Struct./cc	mg/m3
Crystalline Asbestos	0	0	0	0	0	0	0.0	0.0000	0
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)					0	0	0.0	0.0000	0
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)					0	0	0.0	0.0000	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:

Report Reviewed by:

Marek Peysakhov

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