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Approved N.Y. State ELAP #10879  
ACCREDITED NVLAP Lab Code # 1187  
Report Date: 10/05/01

### 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: H.S. for Economics & Finance, 100 Trinity Pl., NYC

Entire Building

Date Received: 10/04/01

Project Sample No.: HSEF-E-10/3-52

Air Volume: 1810 liters

Filter Type: MCE 2S mm diam., Pore Size: 0.45 um

Effective Area: 385 mm2

TEM Sample No.: 5506 - 60130

Grid Openings Analyzed: 4

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0450 mm2

Analytical Sensitivity: 22.2 s/mm2

0.0047 s/cc

### FIBROUS PARTICULATES ANALYZED

#### Number Observed

#### CONCENTRATION

|                                                | Number Observed  |         |          | Total             |                  |       | Filter     |           | Air    |
|------------------------------------------------|------------------|---------|----------|-------------------|------------------|-------|------------|-----------|--------|
|                                                | Single<br>Fibers | Bundles | Clusters | Matrix<br>Struct. | Total<br>Struct. | >=5um | Struct/mm2 | Struct/cc | ngm/m3 |
| Chrysotile 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:

Marek Peysakhov

Report Reviewed by:

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