NYC 9/11 Public Portal Document

ATC Environmental, Inc.
104 East 25th Street
New York, New York 10010

N.Y.C. Board of Education
28-11 Queens Plaza North
Long Island City, NY 11101

Approved N.Y. State ELAP #10879
ACCREDITED NVLAP Lab Code # 1187
Report Date: 10/06/01

## 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: New Stuyvesant H.S., 345 Chambers St., NY, NY
Exterior of Building & Roof
Date Received: 10/06/01

Project Sample No.: NSHS-EBR-10/6-06

Air Volume: 1890 liters

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

Analysis Parameters

TEM Sample No.: 5623 - 60350

Grid Openings Analyzed: 4

Average Grid Opening: 106.00 um

Total Area Analyzed: 0.0450 mm2

Analytical Sensitivity: 22.2 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 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



NYC-WTC_000293371