NYC-WTC_000102006

ATHENICA
ENVIRONMENTAL SERVICES INC.
Tel. (718) 784-7490
Fax. (718) 784-4085

# AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

**CLIENT:** Warren & Panzer Engineers, P.C.
**LABORATORY ID #:** T02-10-034
**ANALYT. METHODOLOGY:** AHERA
**FILTER TYPE:** M.C.E.
**AVERAGE G.O. AREA ($mm^2$):** 0.013838

**PROJECT:** NYC DEP, 15 Maiden Lane
**DATE OF REPORT:** 10/06/02
**DATE OF ANALYSIS:** 10/06/02
**EFFECTIVE FILTER AREA ($mm^2$):** 385

## LABORATORY RESULTS

| CLIENT # | LAB. ID # | LOCATION | VOLUME (l) | G.O.'s ANALYZED | AREA ANALYZED ($mm^2$) | ANALYT. SENSITIV. (struct./$cm^2$) | TOTAL ASBESTOS AIR CONC. (struc./$cm^2$) | TOTAL ASBESTOS FILTER CONC. (str./$mm^2$) | AIR CONC. FOR STRUCT. 0.5≤S<5µm | AIR CONC. FOR STRUCT. S≥5.0µm | ASBEST. TYPE CHRYS. | AMPHIB. ASBEST TYPE SPECIFY |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | T02-10-034-2845 | Below roof | 1560 | 4 | 0.0554 | 0.0045 | <0.0045 | <18.07 | NA | NA | NA | NA |
| 02 | T02-10-034-2846 | Entrance to roof | 1560 | 4 | 0.0554 | 0.0045 | <0.0045 | <18.07 | NA | NA | NA | NA |
| 03 | T02-10-034-2847 | East side of façade | 1560 | 4 | 0.0554 | 0.0045 | <0.0045 | <18.07 | NA | NA | NA | NA |
| 04 | T02-10-034-2848 | West side of façade | 1560 | 4 | 0.0554 | 0.0045 | <0.0045 | <18.07 | NA | NA | NA | NA |
| 05 | T02-10-034-2849 | Center of façade | 1560 | 4 | 0.0554 | 0.0045 | 0.0045 | 18.07 | <0.0045 | 0.0045 | Chrys. | NA |

**ANALYST**
E. Dimitrakas

**LABORATORY DIRECTOR**
Spiro Dongaris

**LABORATORY CERTIFICATION NUMBERS: NVLAP 101958, ELAP 10955**

- Athenica Environmental Services Inc. (AES), is responsible only for information pertaining to samples taken by its employees.
- Air sampling cassettes will be stored for sixty (60) days. AES Inc., [illegible] after this period of time.
- If AES Inc., did not conduct the sampling, the reported airborne concentration was derived based on information provided by the client. Under these circumstances, the air concentration data is supplied solely for the convenience of the client.
- The report relates only to items tested. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. Test reports may not be reproduced except in full and with prior approval of AES Inc.
- The liability of Athenica Environmental Services Inc. with respect to the services charged, shall in no event exceed the amount of the invoice.

NYC 9/11 Public Portal Document

NYC-WTC_000102007

275 East 45th Street
New York, NY 10017
(212) 922-0077
Fax (212) 922-0539

# WARREN & PANZER ENGINEERS, P. C.

## AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM



24 hr+/a  12 hr+/a  6 hr+/a  3 hr+/a  Immediate +/a

P.O. ____

CLIENT: NYCDEP
PROJECT: FACADE
LOCATION: 15 MAIDEN LANE

W&P FILE #: 1079-01-02
LABORATORY: ATLANTICA
ANALYSIS METHOD: PCM (TEM) TEM
circle one 7400 AHERA EPA LEVEL II
TECHNICIAN: FESTY OSEMWENSE

CONTACT:

| SAMPLE NUMBER | SAMPLE DESCRIPTION/LOCATION | SAMPLE TYPE | PUMP # | FLOWRATE START | FLOWRATE STOP | TIME ON | TIME OFF | TOTAL TIME | VOLUME (liters) | CONCENTR. (f/b/cc.) |
|---|---|---|---|---|---|---|---|---|---|---|
| 01 | BELOW ROOF | 3 | | 3 | 3 | 0720 | 1600 | 520 | 1560 | |
| 02 | ENTRANCE TO ROOF | 3 | | 3 | 3 | 0722 | 1602 | 520 | 1560 | |
| 03 | EAST SIDE OF FACADE | 3 | | 3 | 3 | 0724 | 1604 | 520 | 1560 | |
| 04 | WEST SIDE " " | 3 | | 3 | 3 | 0726 | 1606 | 520 | 1560 | |
| 05 | CENTER " " | 3 | | 3 | 3 | 0728 | 1608 | 520 | 1560 | |
| 06 | BLANK | — | | | | | | | | |
| 07 | " | — | | | | | | | | |
| 08 | " | — | | | | | | | | |

COMMENTS: 102-10-014

SAMPLE BY: FESTY OSEMWENSE  DATE: 10-04-02
SIGNATURE:
RELEASED BY: FESTY OSEMWENSE  DATE: 10-04-02
SIGNATURE:
RECEIVED BY: ACATIGA  DATE: 10/5/02
SIGNATURE:

| SAMPLE TYPE CODES | |
|---|---|
| 1 - Blank | 5 - Final Clearance (Inside) |
| 2 - Pre-Abatement | 6 - Final Clearance (outside) |
| 3 - During Abatement | 7 - Personal |
| 4 - During Glove Bag Removal | 8 - Background |

SEE REVERSE SIDE FOR ANALYSIS INFORMATION

NYC 9/11 Public Portal Document
10/05/2002 10:37 PM
011