



# AIRBORNE ASBESTOS ANALYSIS BY TRANSMISSION ELECTRON MICROSCOPY

CLIENT: Warren & Panzer Engineers, P.C.  
LABORATORY ID #: T02-11-087  
ANALYT. METHODOLOGY: AHERA  
FILTER TYPE: M.C.E.  
AVERAGE C.O. AREA (mm<sup>2</sup>): 0.013433

PROJECT: NYC DEP, 136 William Street  
DATE OF REPORT: 11/19/02  
DATE OF ANALYSIS: 11/19/02  
EFFECTIVE FILTER AREA (mm<sup>2</sup>): 385

## LABORATORY RESULTS

| CLIENT # | LAB. ID #       | LOCATION                         | VOLUME (l) | C.O.'s ANALYZED | AREA ANALYZED (mm <sup>2</sup> ) | ANALYT. SENSITIV. (struc./cm <sup>2</sup> ) | TOTAL ASBESTOS AIR CONC. (struc./cm <sup>3</sup> ) | TOTAL ASBESTOS FILTER CONC. (struc./mm <sup>2</sup> ) | AIR CONC. FOR STRUCT. 0.5 ≤ S ≤ 5 μm | AIR CONC. FOR STRUCT. S ≥ 5.0 μm | ASBEST. TYPE CHRYS. | AMPHIB. ASBEST. TYPE SPECIFY |
|----------|-----------------|----------------------------------|------------|-----------------|----------------------------------|---------------------------------------------|----------------------------------------------------|-------------------------------------------------------|--------------------------------------|----------------------------------|---------------------|------------------------------|
| 01       | T02-11-087-4145 | Exit to roof                     | 1680       | 4               | 0.0537                           | 0.0043                                      | <0.0043                                            | <18.61                                                | NA                                   | NA                               | NA                  | NA                           |
| 02       | T02-11-087-4146 | IWA right side of WA             | 1680       | 4               | 0.0537                           | 0.0043                                      | <0.0043                                            | <18.61                                                | NA                                   | NA                               | NA                  | NA                           |
| 03       | T02-11-087-4147 | IWA 1 <sup>st</sup> middle of WA | 1680       | 4               | 0.0537                           | 0.0043                                      | <0.0043                                            | <18.61                                                | NA                                   | NA                               | NA                  | NA                           |
| 04       | T02-11-087-4148 | IWA 2 <sup>nd</sup> middle of WA | 1680       | 4               | 0.0537                           | 0.0043                                      | <0.0043                                            | <18.61                                                | NA                                   | NA                               | NA                  | NA                           |
| 05       | T02-11-087-4149 | IWA north side of WA             | 1680       | 4               | 0.0537                           | 0.0043                                      | <0.0043                                            | <18.61                                                | NA                                   | NA                               | NA                  | NA                           |

E. Sioukri

ANALYST  
E. Sioukri

Spiro Dongaris  
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., should be notified within this time frame for a true duplicate analysis.
- 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.
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JAN 13, 01 17:50 No.001 P.26

**228 East 45th Street  
New York, NY 10017  
(212) 922-0077  
Fax (212) 922-0630**

**WARREN & PANZER ENGINEERS, P. C.**  
**AIR MONITORING LOG SHEET/CHAIN-OF-CUSTODY FORM**

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**P.O.** \_\_\_\_\_

CLIENT: NYC DEP

PROJECT: CLEANING Roof

LOCATION: 136 Williams St NYC

W&P FILE #: 1079-21-03

LABORATORY: W/CP

ANALYSIS METHOD: PCM TEM TEM  
circle one 7400 AHERA EPA LEVEL II

TECHNICIAN: Dipo Elom

CONTACT: M. ADLAN

[illegible]

|                                |                       |
|--------------------------------|-----------------------|
| SAMPLE BY: <u>Dipo Etemo</u>   | DATE: <u>11/18/02</u> |
| SIGNATURE: <u>Dipo</u>         |                       |
| RELEASED BY: <u>Dipo Etemo</u> | DATE: <u>11/18/02</u> |
| SIGNATURE: <u>Dipo</u>         |                       |
| RECEIVED BY: <u>A. Gajal</u>   | DATE: <u>11/19/02</u> |
| SIGNATURE: <u>A. Gajal</u>     |                       |

**COMMENTS:**

T02-11-08-

| 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**

Jan 13, 01 17:51 No.001 P.27