

**Theodorellys, Penny**

**From:** Benjamin M. Sallemi [sallemi15@atc-enviro.com]

**Sent:** Thursday, September 26, 2002 12:29 PM

**To:** Penny Theodorellys

**Subject:** FW: PAH wipe sample results



R02090549 Cover  
Letter.rtf



R02090549 Report.rtf

-----Original Message-----

**From:** Fred Burkhardt [mailto:[Burkhardt15@atc-enviro.com](mailto:Burkhardt15@atc-enviro.com)]

**Sent:** Thursday, September 26, 2002 11:58 AM

**To:** [Sallemi15@atc-enviro.com](mailto:Sallemi15@atc-enviro.com)

**Subject:** FW: PAH wipe sample results

Fred Burkhardt  
Senior Project Manager  
ATC Associates Inc.  
104 East 25 Street  
New York, NY 10010  
212-353-8280  
212-353-8306 (facsimile)  
646-772-1164 (mobile)

-----Original Message-----

**From:** Usbeck, Fred [mailto:[FUsbeck@contactpsc.com](mailto:FUsbeck@contactpsc.com)]

**Sent:** Thursday, September 26, 2002 11:16 AM

**To:** [burkhardt15@atc-enviro.com](mailto:burkhardt15@atc-enviro.com)

|Subject: PAH wipe sample results

Fred, attached are the results for the PAH wipe samples from 125 Cedar St.

I thought you would rather get them by e-mail than a 60+ page fax. The

original hard copy will follow in the mail. Thanks! Fred

<<R02090549 Cover Letter.rtf>> <<R02090549 Report.rtf>>

Fred Usbeck, CIH

PSC Analytical Services

4418 Pottsville Pike

Reading, PA 19605

(610) 921-8833 ext. 224

**ATC ASSOCIATES, INC**

104 E 25th Street, 10th Floor

New York, NY 10010

Tel. 212-353-8280

Fax 212-353-8306

**REPORT DATE:** 09-16-02  
**CLIENT:** ATC Associates Inc. - New York  
**PROJECT NAME:** 125 Cedar Street  
**SAMPLED BY:** Client  
**SAMLE DATE:** 09-12-02  
**DATE RECEIVED:** 09-13-02  
**DATE ANALYZED:** 09-13-02  
**SAMPLE MEDIA:** Dust Wipe Sample  
**ANALYSIS REQUIRED:** Method EPA 3050/7420

**ANALYSIS RESULTS**

| SAMPLE ID | BATCH NO. | SAMPLE DESCRIPTION | LEAD CONCENTRATION<br>(µg/ft <sup>2</sup> ) | DETECTION LIMIT<br>(µg/ft <sup>2</sup> ) |
|-----------|-----------|--------------------|---------------------------------------------|------------------------------------------|
| 01        | 22019     | 3S - L - W         | 81.3                                        | 9.0                                      |
| 02        | 22019     | 3S - L - H         | 91.6                                        | 9.0                                      |
| 03        | 22019     | 3S - L - F         | 203.9                                       | 9.0                                      |
| 04        | 22019     | 3N - L - W         | 12.1                                        | 9.0                                      |
| 05        | 22019     | 3N - L - H         | 310.1                                       | 9.0                                      |
| 06        | 22019     | 3N - L - F         | 181.9                                       | 9.0                                      |
| 07        | 22019     | 2S - L - W         | <9.0                                        | 9.0                                      |
| 08        | 22019     | 2S - L - H         | <9.0                                        | 9.0                                      |
| 09        | 22019     | 2S - L - F         | 85.1                                        | 9.0                                      |
| 10        | 22019     | 5N - L - W         | 141.6                                       | 9.0                                      |
| 11        | 22019     | 5N - L - H         | 67.2                                        | 9.0                                      |
| 12        | 22019     | 5N - L - F         | 105.2                                       | 9.0                                      |
| 13        | 22019     | 4S - L - W         | <9.0                                        | 9.0                                      |
| 14        | 22019     | 4S - L - H         | 219.2                                       | 9.0                                      |
| 15        | 22019     | 4S - L - F         | 157.7                                       | 9.0                                      |
| 16        | 22019     | 4N - L - W         | 57.7                                        | 9.0                                      |
| 17        | 22019     | 4N - L - H         | 51.9                                        | 9.0                                      |
| 18        | 22019     | 4N - L - F         | 329.5                                       | 9.0                                      |
| 19        | 22019     | 6S - L - W         | 24.7                                        | 9.0                                      |

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|    |       |             |       |     |
|----|-------|-------------|-------|-----|
| 20 | 22019 | 6S - L - H  | 34.2  | 9.0 |
| 21 | 22019 | 6S - L - F  | 37.7  | 9.0 |
| 22 | 22019 | 6N - L - W  | 74.8  | 9.0 |
| 23 | 22019 | 6N - L - H  | 90.6  | 9.0 |
| 24 | 22019 | 6N - L - F  | 34.4  | 9.0 |
| 25 | 22019 | 5S - L - W  | <9.0  | 9.0 |
| 26 | 22019 | 5S - L - H  | 126.9 | 9.0 |
| 27 | 22019 | 5S - L - F  | 48.8  | 9.0 |
| 28 | 22019 | 8N - L - W  | 40.9  | 9.0 |
| 29 | 22019 | 8N - L - H  | 21.3  | 9.0 |
| 30 | 22019 | 8N - L - F  | 36.9  | 9.0 |
| 31 | 22019 | 7S - L - W  | 12.2  | 9.0 |
| 32 | 22019 | 7S - L - H  | 16.1  | 9.0 |
| 33 | 22019 | 7S - L - F  | 96.2  | 9.0 |
| 34 | 22019 | 7N - L - W  | 54.4  | 9.0 |
| 35 | 22019 | 7N - L - H  | 92.3  | 9.0 |
| 36 | 22019 | 7N - L - F  | 81.0  | 9.0 |
| 37 | 22019 | 9S - L - W  | <9.0  | 9.0 |
| 38 | 22019 | 9S - L - H  | 25.73 | 9.0 |
| 39 | 22019 | 9S - L - F  | 45.4  | 9.0 |
| 40 | 22019 | 9N - L - W  | 10.8  | 9.0 |
| 41 | 22019 | 9N - L - H  | 105.5 | 9.0 |
| 42 | 22019 | 9N - L - F  | 29.6  | 9.0 |
| 43 | 22019 | 8S - L - W  | 10.0  | 9.0 |
| 44 | 22019 | 8S - L - H  | 19.8  | 9.0 |
| 45 | 22019 | 8S - L - F  | 158.8 | 9.0 |
| 46 | 22019 | 12N - L - W | 24.1  | 9.0 |
| 47 | 22019 | 12N - L - H | 169.4 | 9.0 |
| 48 | 22019 | 12N - L - F | 74.6  | 9.0 |
| 49 | 22019 | 11S - L - W | 13.9  | 9.0 |
| 50 | 22019 | 11S - L - H | 62.6  | 9.0 |
| 51 | 22019 | 11S - L - F | 107.3 | 9.0 |

**ATC ASSOCIATES, INC**  
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**Tel. 212-353-8280**  
**Fax 212-353-8306**

|    |       |              |       |     |
|----|-------|--------------|-------|-----|
| 52 | 22019 | 10N - L - W  | 14.6  | 9.0 |
| 53 | 22019 | 10N - L - H  | 65.9  | 9.0 |
| 54 | 22019 | 10N - L - F  | 138.8 | 9.0 |
| 55 | 22019 | PH - L - W   | 19.3  | 9.0 |
| 56 | 22019 | PH - L - H   | 212.4 | 9.0 |
| 57 | 22019 | PH - L - F   | 100.7 | 9.0 |
| 58 | 22019 | 12SW - L - W | 9.3   | 9.0 |
| 59 | 22019 | 12SW - L - H | 68.3  | 9.0 |
| 60 | 22019 | 12SW - L - F | 547.0 | 9.0 |
| 61 | 22019 | 12SG - L - W | 22.0  | 9.0 |
| 62 | 22019 | 12SG - L - H | 32.2  | 9.0 |
| 63 | 22019 | 12SG - L - F | 97.5  | 9.0 |
| 64 | 22019 | 2N - L - W   | <9.0  | 9.0 |
| 65 | 22019 | 2N - L - H   | 18.6  | 9.0 |
| 66 | 22019 | 2N - L - F   | <9.0  | 9.0 |

NOTE 1:  
**THE REPORTING LIMIT (RL) IS 18.0 µg**

NOTE 2:  
 HUD Guidelines for final clearance dust wipe samples: Floor 40 µg/ft<sup>2</sup>, Window sills 250 µg/ft<sup>2</sup>,  
 Window wells 400 µg/ft<sup>2</sup>, Exterior surfaces 800 µg/ft<sup>2</sup>.

NOTE 3:  
 Blank units are in µg

**CERTIFICATION AND SIGNATURES**

ANALYSIS PERFORMED BY: \_\_\_\_\_

REPORT PREPARED BY: \_\_\_\_\_

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: \_\_\_\_\_

LABORATORY DIRECTOR: \_\_\_\_\_

ATC is accredited by the New York State Department of Health Environmental Laboratory Approval Program (ELAP) and by the American Industrial Hygiene Association (AIHA) to perform analysis of lead in paint, dust wipes, air and soil samples. (ELAP #10879), (AIHA #100229).


**PSC Analytical Services**

 4418 Pottsville Pike  
 Reading, PA 19605  
 phone: (610) 921-8833  
 fax: (610) 921-9667 or 921-8407

# CHAIN OF CUSTODY

22014

PSC Work Order #

Page 1 of 8

JOB ID: 125 Cedar Street

**Report Results**

 PO # \_\_\_\_\_ Quote # \_\_\_\_\_  
 Name Fred Burkhardt  
 Company ATC Associates Inc.  
 Mailing Address 104 E 25th Street  
 City NYC State NY ZIP 10010  
 Telephone # \_\_\_\_\_ Fax # \_\_\_\_\_

**Submit Invoice To:**

 Name \_\_\_\_\_  
 Company \_\_\_\_\_  
 Mailing Address S 11th St  
 City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
 Telephone # \_\_\_\_\_ Fax # \_\_\_\_\_  
 Credit Card Info (include exp. date) \_\_\_\_\_

Sampled by: \_\_\_\_\_

Sampling Location (Specify State): \_\_\_\_\_

Due Date: \_\_\_\_\_

(Rush TAT requires Lab approval)

 Full Data Package Reduced Deliverables Package Electronic Data Deliverables  
 REPORTING REQUIREMENTS (Circle all that apply)

UST NPDES MIPP RCRA Stormwater DEP (PWS # )

| ITEM # | SAMPLE DESCRIPTION<br>(ID must match container labels) | Final Air Volume                 | Matrix Type | Sampling Info |      | Container Volume (Liters, etc) |
|--------|--------------------------------------------------------|----------------------------------|-------------|---------------|------|--------------------------------|
|        |                                                        | <del>42</del><br><del>40.0</del> |             | Date          | Time |                                |
| 1      | 35-L-W                                                 | 1                                | WPE         | 9/12/02       |      | 91.6 203.9                     |
| 2      | -H                                                     |                                  |             |               |      | 12.6 310.1                     |
| 3      | F                                                      |                                  |             |               |      |                                |
| 4      | 30-L-W                                                 |                                  |             |               |      |                                |
| 5      | H                                                      |                                  |             |               |      |                                |
| 6      | F                                                      |                                  |             |               |      |                                |
| 7      | 25-L-W                                                 |                                  |             |               |      | 181.9                          |
| 8      | H                                                      |                                  |             |               |      | <9.0                           |
| 9      | F                                                      |                                  |             |               |      | <9.0                           |
| 10     |                                                        |                                  |             |               |      | 85.1                           |

(1) Relinquished by: \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

(2) Received by: \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

(3) Relinquished by: \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

(4) Received by: \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

(5) Relinquished by: \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

(6) Received at Lab: \_\_\_\_\_

Date \_\_\_\_\_

Time \_\_\_\_\_

Method of Delivery: \_\_\_\_\_

UPS

FED-EX

PAS Courier

Client

US Mail

Other \_\_\_\_\_


**PSC Analytical Services**

 4418 Pottsville Pike  
 Reading, PA 19605  
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 fax: (610) 921-9667 or 921-8407

# CHAIN OF CUSTODY

PSC Work Order #

 Page 2 of 8

22014

 JOB ID: 125 Cedar Street
**Report Results**

 PO # \_\_\_\_\_ Quote # \_\_\_\_\_  
 Name Fred Burkhart  
 Company ATC Associates Inc.  
 Mailing Address 104 E 23rd Street  
 City N.Y. State N.Y. ZIP 10010  
 Telephone # \_\_\_\_\_ Fax # \_\_\_\_\_

**Submit Invoice To:**

 Name \_\_\_\_\_  
 Company S.A.M.E.  
 Mailing Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_  
 Telephone # \_\_\_\_\_ Fax # \_\_\_\_\_  
 Credit Card Info (include exp. date) \_\_\_\_\_

Sampled by: \_\_\_\_\_

Sampling Location (Specify State): \_\_\_\_\_

Due Date: \_\_\_\_\_

(Rush TAT requires Lab approval)

Full Data Package Reduced Deliverables Package Electronic Data Deliverables

UST NPDES MIPP RCRA Stormwater DEP (PWS #) \_\_\_\_\_

**SAMPLE DESCRIPTION**

(ID must match container labels)

Final Air Volume (L or min)

Matrix Type

Sampling Info Date Time

Date Time

Date Time

Relinquished by:

Relinquished at Lab:

Date Time

Date Time

 Preservatives (See above Key; list all that apply)  
 Type (P=Plastic, G=Glass, A=Air)  
 Container Volume (ml, etc)  
 Number of Containers

 Preservatives Key:  
 A = Ascorbic Acid  
 C = HCl  
 H = HNO3  
 I = Ice  
 N = NaOH  
 O = Other: \_\_\_\_\_  
 NZ = Na2SO3  
 S = H2SO4  
 Z = ZnAcetate  
 X = None

 1 50-L-W 1 WPE 9/12/02 141.6  
 2 H 67.2  
 3 F 107.2  
 4 45-L-W 29.0  
 5 H 219.2  
 6 H 157.4  
 7 40-L-W 57.4  
 8 H 51.9  
 9 F 329.5  
 10 ↓

(1) Relinquished by:

Date

Time

(2) Received by:

Date

Time

(3) Relinquished by:

Date

Time

(4) Received by:

Date

Time

(5) Relinquished by:

Date

Time

(6) Received at Lab:

Date

Time

Method of Delivery:

UPS

FED-EX

PAS Courier

Client

US Mail

Other



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# CHAIN OF CUSTODY

PSC Work Order #

Page 2 of 8

JOB ID: 125 Cedar Street

## Report Results To:

PO #  
Name Fred Burkhardt  
Company ATC Associates Inc.  
Mailing Address 104 E 25 Street  
City N.Y. State N.Y. ZIP 10010  
Telephone #  
Fax #

## ANALYSIS REQUESTED

Use attachments if necessary.  
Please specify method requirements.

Preservatives Key:

A = Ascorbic Acid  
C = HCl  
H = HNO<sub>3</sub>  
I = Ice  
N = NaOH  
O = Other:  
X = None  
N<sub>2</sub> = Na<sub>2</sub>SO<sub>3</sub>  
S = H<sub>2</sub>SO<sub>4</sub>  
Z = ZnAcetate

## Submit Invoice To:

Name  
Company  
Mailing Address  
City State ZIP  
Telephone #  
Fax #  
Credit Card Info (include exp. date)

Sampled by:

Sampling Location (Specify State):

Due Date:

(Rush TAT requires Lab approval)

## REPORTING REQUIREMENTS (Circle all that apply)

Full Data Package Reduced Deliverables Package Electronic Data Deliverables

UST NPDES MIPP RCRA Stormwater DEP (PWS # )

| ITEM # | SAMPLE DESCRIPTION<br>(ID must match container labels) | Final Air Volume | Matrix Type | Sampling Info |      |  |  |  |  |  |  |  |  |  |  | Collector Volume (Liters etc) | Number of Containers |  |
|--------|--------------------------------------------------------|------------------|-------------|---------------|------|--|--|--|--|--|--|--|--|--|--|-------------------------------|----------------------|--|
|        |                                                        | (liters)         |             | Date          | Time |  |  |  |  |  |  |  |  |  |  |                               |                      |  |
| 1      | 65-L-W                                                 | 1                | WIDE        | 9/12/02       |      |  |  |  |  |  |  |  |  |  |  |                               | 24.7                 |  |
| 2      | -H                                                     |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 34.2                 |  |
| 3      | -E                                                     |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 34.7                 |  |
| 4      | 6N-L-W                                                 |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 74.8                 |  |
| 5      | H                                                      |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 90.6                 |  |
| 6      | E                                                      |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 34.4                 |  |
| 7      | SS-L-W                                                 |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 24.0                 |  |
| 8      | H                                                      |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 126.9                |  |
| 9      | E                                                      |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               | 48.8                 |  |
| 10     |                                                        |                  |             |               |      |  |  |  |  |  |  |  |  |  |  |                               |                      |  |

(1) Relinquished by:

Date Time

(2) Received by:

Date Time

(3) Relinquished by:

Date Time

(4) Received by:

Date Time

(5) Relinquished by:

Date Time

(6) Received at Lab:

Date Time

Method of Delivery:

UPS

FED-EX

PAS Courier

Client

US Mail

Other

# CHAIN OF CUSTODY

Page 9 of 10

JOB ID: 125 Cedar Street

|                                                                                                                                                                                                              |  |                                                                                                              |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------|--|
| <b>Report Results</b><br><b>To:</b>                                                                                                                                                                          |  | <b>PO #</b><br><b>Quote #</b>                                                                                |  |
| <b>Name</b><br><b>Company</b><br><b>Mailing Address</b><br><b>City</b><br><b>State</b><br><b>Telephone #</b>                                                                                                 |  | <b>Name</b><br><b>Company</b><br><b>Mailing Address</b><br><b>City</b><br><b>State</b><br><b>Telephone #</b> |  |
| <b>Submit Invoice To:</b>                                                                                                                                                                                    |  | <b>ANALYSIS REQUESTED</b><br>Use attachments if necessary.<br>Please specify method requirements.            |  |
| <b>Sampled by:</b><br><b>Due Date:</b>                                                                                                                                                                       |  | <b>Preservatives Key:</b><br>A = Ascorbic Acid<br>C = HCl<br>H = HNO3<br>I = Ice<br>N = NaOH<br>O = Other:   |  |
| <b>REPORTING REQUIREMENTS (Circle all that apply)</b><br>Full Data Package      Reduced Deliverables Package      Electronic Data Deliverables<br>UST    NPDES    MIPP    RCRA    Stormwater    DEP (PWS # ) |  | JOB ID: 125 Cedar Street                                                                                     |  |
| <b>SAMPLE DESCRIPTION</b><br>(ID must match container labels)                                                                                                                                                |  | Final Air Volume<br>Matrix Type<br>Sampling Info<br>Date<br>Time                                             |  |
| 1 812-L-W<br>2 H<br>3<br>4 75-L-W<br>5 H<br>6<br>7 711-L-W<br>8 H<br>9 L<br>10                                                                                                                               |  | 1 44.2<br>2 WIDE<br>3 9/12/02<br>4<br>5<br>6<br>7<br>8<br>9<br>10                                            |  |
| (1) Relinquished by:                                                                                                                                                                                         |  | (2) Received by:                                                                                             |  |
| (4) Received by:                                                                                                                                                                                             |  | (5) Relinquished by:                                                                                         |  |
| (3) Relinquished by:                                                                                                                                                                                         |  | (6) Received at Lab:                                                                                         |  |


**PSC Analytical Services**

 4418 Pottsville Pike  
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# CHAIN OF CUSTODY

PSC Work Order #

Page 5 of 8

JOB ID: 125 Cedar Street

**Report Results To:**

 PO #  
 Name Fred Buckhardt  
 Company ATC Associates Inc.  
 Mailing Address 104 E 25 Street  
 City N.Y. State N.Y. ZIP 10810  
 Telephone #  
 Fax #

 ANALYSIS REQUESTED  
 Use attachments if necessary.  
 Please specify method requirements.

Preservatives Key:

 A = Ascorbic Acid  
 C = HCl  
 H = HNO<sub>3</sub>  
 I = Ice  
 N = NaOH  
 N<sub>2</sub> = Na<sub>2</sub>SO<sub>3</sub>  
 S = H<sub>2</sub>SO<sub>4</sub>  
 Z = ZnAcetate  
 X = None

O = Other:

**Submit Invoice To:**

 Name  
 Company  
 Mailing Address  
 City State ZIP  
 Telephone #  
 Fax #  
 Credit Card Info (include exp. date)

125

 Sampled by: Sampling Location (Specify State):  
 Due Date: (Rush TAT requires Lab approval)

 Full Data Package Reduced Deliverables Package Electronic Data Deliverables  
 REPORTING REQUIREMENTS (Circle all that apply)

UST NPDES MIPP RCRA Stormwater DEP (PWS # )

| #  | ITEM | SAMPLE DESCRIPTION<br>(ID must match container labels) | Final Air Volume<br>(L or m <sup>3</sup> ) | Matrix Type | Sampling Info<br>Date Time | Preservatives (See above key;<br>list all that apply) | Type (P=Plastic, G=Glass, A=Air) | Container Volume & Label | Number of Containers |
|----|------|--------------------------------------------------------|--------------------------------------------|-------------|----------------------------|-------------------------------------------------------|----------------------------------|--------------------------|----------------------|
| 37 | 1    | 95-L-62                                                |                                            | wife        | 9/12                       |                                                       |                                  |                          | 29.0                 |
| 36 | 2    | -H                                                     |                                            |             |                            |                                                       |                                  |                          | 25.7                 |
| 35 | 3    | -E                                                     |                                            |             |                            |                                                       |                                  |                          | 45.4                 |
| 34 | 4    | 9N-L-62                                                |                                            |             |                            |                                                       |                                  |                          | 10.8                 |
| 33 | 5    | -H                                                     |                                            |             |                            |                                                       |                                  |                          | 105.5                |
| 32 | 6    | -E                                                     |                                            |             |                            |                                                       |                                  |                          | 29.6                 |
| 31 | 7    | 8S-L-62                                                |                                            |             |                            |                                                       |                                  |                          | 10.8                 |
| 30 | 8    | -H                                                     |                                            |             |                            |                                                       |                                  |                          | 19.8                 |
| 29 | 9    | -E                                                     |                                            |             |                            |                                                       |                                  |                          | 158.8                |
| 28 | 10   |                                                        |                                            |             |                            |                                                       |                                  |                          |                      |

(1) Relinquished by:

Date

Time

(2) Received by:

Date

Time

(3) Relinquished by:

Date

Time

(4) Received by:

Date

Time

(5) Relinquished by:

Date

Time

(6) Received at Lab:

Date

Time

Method of Delivery:

UPS

FED-EX

PAS Courier

Client

US Mail

Other



# PSC Analytical Services

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fax: (610) 921-9667 or 921-8407

## CHAIN OF CUSTODY

PSC Work Order #

Page 6 of 8

22019

JOB ID: 125 Cedar Street

|                                                |                                                        |                                    |             |                                  |             |
|------------------------------------------------|--------------------------------------------------------|------------------------------------|-------------|----------------------------------|-------------|
| Report Results To:                             |                                                        | PO #                               |             | Quote #                          |             |
| Name: Fred Burkhardt                           |                                                        | Company: AIC Associates Inc.       |             | Mailing Address: 104 E 25 Street |             |
| City: NY                                       |                                                        | State: NY                          |             | ZIP: 10010                       |             |
| Telephone #                                    |                                                        | Fax #                              |             |                                  |             |
| Submit Invoice To:                             |                                                        | Name: SA MLE                       |             |                                  |             |
| Company:                                       |                                                        | Mailing Address:                   |             |                                  |             |
| City:                                          |                                                        | State:                             |             | ZIP:                             |             |
| Telephone #                                    |                                                        | Fax #                              |             |                                  |             |
| Credit Card Info (include exp. date)           |                                                        |                                    |             |                                  |             |
| Sampled by:                                    |                                                        | Sampling Location (Specify State): |             |                                  |             |
| Due Date:                                      |                                                        | (Rush TAT requires Lab approval)   |             |                                  |             |
| REPORTING REQUIREMENTS (Circle all that apply) |                                                        |                                    |             |                                  |             |
| Full Data Package                              |                                                        | Reduced Deliverables Package       |             | Electronic Data Deliverables     |             |
| UST                                            | NPDES                                                  | MIPP                               | RCRA        | Stormwater                       | DEP (PWS #) |
| #                                              | SAMPLE DESCRIPTION<br>(ID must match container labels) | Final Air Volume<br>(L or min)     | Matrix Type | Sampling Info<br>Date Time       |             |
| 1                                              | 12-6-6-6                                               | 1                                  | WIDE        | 9/12/02                          |             |
| 2                                              | -H                                                     |                                    |             |                                  |             |
| 3                                              | -F                                                     |                                    |             |                                  |             |
| 4                                              | 11S-6-6                                                |                                    |             |                                  |             |
| 5                                              | -H                                                     |                                    |             |                                  |             |
| 6                                              | -F                                                     |                                    |             |                                  |             |
| 7                                              | 10R-6-6                                                |                                    |             |                                  |             |
| 8                                              | -H                                                     |                                    |             |                                  |             |
| 9                                              | -F                                                     |                                    |             |                                  |             |
| 10                                             |                                                        |                                    |             |                                  |             |
| (1) Relinquished by:                           |                                                        | Date                               |             | Time                             |             |
| (2) Received by:                               |                                                        | Date                               |             | Time                             |             |
| (3) Relinquished by:                           |                                                        | Date                               |             | Time                             |             |
| (4) Received by:                               |                                                        | Date                               |             | Time                             |             |
| (5) Relinquished by:                           |                                                        | Date                               |             | Time                             |             |
| (6) Received at Lab:                           |                                                        | Date                               |             | Time                             |             |
| Method of Delivery:                            |                                                        | UPS                                |             | FED-EX                           |             |
| PAS Courier                                    |                                                        | Client                             |             | US Mail                          |             |
| Other                                          |                                                        |                                    |             |                                  |             |

ANALYSIS REQUESTED  
Use attachments if necessary.  
Please specify method requirements.

Preservatives Key:

A = Ascorbic Acid  
C = HCl  
H = HNO<sub>3</sub>  
I = Ice  
N = NaOH  
N<sub>2</sub> = Na<sub>2</sub>SO<sub>3</sub>  
S = H<sub>2</sub>SO<sub>4</sub>  
Z = ZnAcetate  
X = None

O = Other:

Preservatives (See above key:  
list all that apply)

Type (P=Plastic, G=Glass, A=Air)  
Container Volume (L or min)  
Number of containers

24.1  
16.9.4  
74.6  
13.9  
62.6  
107.3  
14.6  
63.9  
138.8



# PSC Analytical Services

4418 Pottsville Pike  
Reading, PA 19605  
phone: (610) 921-8833  
fax: (610) 921-9667 or 921-8407

## CHAIN OF CUSTODY

PSC Work Order #

Page 7 of 8

JOB ID: 135 Cedar Street

ANALYSIS REQUESTED  
Use attachments if necessary.  
Please specify method requirements.

Preservatives Key:

A = Ascorbic Acid  
C = HCl  
H = HNO<sub>3</sub>  
I = Ice  
N = NaOH  
O = Other:  
N<sub>2</sub> = Na<sub>2</sub>SO<sub>3</sub>  
S = H<sub>2</sub>SO<sub>4</sub>  
Z = ZnAcetate  
X = None

|                                      |                 |                     |
|--------------------------------------|-----------------|---------------------|
| Report Results To:                   | PO #            | Quote #             |
|                                      | Name            |                     |
|                                      | Company         | ATC Associated Inc. |
|                                      | Mailing Address | NY East 25th Street |
| Submit Invoice To:                   | City            | NY                  |
|                                      | State           | NY                  |
|                                      | ZIP             | 10010               |
|                                      | Telephone #     |                     |
| Company                              | Name            |                     |
|                                      | Company         | STWES               |
|                                      | Mailing Address |                     |
|                                      | City            | State               |
| Telephone #                          | Fax #           |                     |
| Credit Card Info (include exp. date) |                 |                     |

Lead

O = Other:

### REPORTING REQUIREMENTS (Circle all that apply)

Full Data Package Reduced Deliverables Package Electronic Data Deliverables

UST NPDES MIPP RCRA Stormwater DEP (PWS # )

| ITEM # | SAMPLE DESCRIPTION<br>(ID must match container labels) | Final Air Volume<br>(# of mm) | Matrix Type | Sampling Info |      | Relinquished by: |      |
|--------|--------------------------------------------------------|-------------------------------|-------------|---------------|------|------------------|------|
|        |                                                        |                               |             | Date          | Time | Date             | Time |
| 1      | At-L-W                                                 | 1                             | wipe        | 9/12/02       |      |                  |      |
| 2      | -H                                                     |                               |             |               |      |                  |      |
| 3      | -F                                                     |                               |             |               |      |                  |      |
| 4      | 135W-L-W                                               |                               |             |               |      |                  |      |
| 5      | -H                                                     |                               |             |               |      |                  |      |
| 6      | -F                                                     |                               |             |               |      |                  |      |
| 7      | 135E-L-W                                               |                               |             |               |      |                  |      |
| 8      | -H                                                     |                               |             |               |      |                  |      |
| 9      | -F                                                     |                               |             |               |      |                  |      |
| 10     |                                                        |                               |             |               |      |                  |      |

Preservatives (See above Key;  
list all that apply)  
Type (P=Plastic, G=Glass, A=Al)  
Container Volume (liters)  
Number of Containers

19.3  
217.4  
100.793  
68.3  
244.0  
22.6  
32.2  
97.5

|                      |      |      |                      |      |      |                      |      |      |
|----------------------|------|------|----------------------|------|------|----------------------|------|------|
| (1) Relinquished by: | Date | Time | (2) Received by:     | Date | Time | (3) Relinquished by: | Date | Time |
| (4) Received by:     | Date | Time | (5) Relinquished by: | Date | Time | (6) Received at Lab: | Date | Time |

Method of Delivery: UPS FED-EX PAS Courier Client US Mail Other



1418 Pottsville Pike phone: (610) 921-8833  
Reading, PA 19605 fax: (610) 921-9667

# AIR SAMPLING

## CHAIN OF CUSTODY

PSC Work Order #

Page 8 of 8

|                           |                |                |
|---------------------------|----------------|----------------|
| <b>Report Results To:</b> | <b>PO #</b>    | <b>Quote #</b> |
| <b>Name</b>               | Fred Burkhardt |                |
| <b>Company</b>            | ATC            |                |
| <b>Mailing Address</b>    |                |                |
| <b>City</b>               | <b>State</b>   | <b>ZIP</b>     |
| <b>Telephone #</b>        | <b>Fax #</b>   |                |

|                           |                                             |                |
|---------------------------|---------------------------------------------|----------------|
| <b>Submit Invoice To:</b> | <b>Name</b>                                 | <b>Company</b> |
|                           | Steve                                       |                |
|                           | <b>Mailing Address</b>                      |                |
|                           | <b>City</b>                                 | <b>State</b>   |
|                           | <b>Telephone #</b>                          | <b>Fax #</b>   |
|                           | <b>Credit Card Info (include exp. date)</b> |                |

### COMMON MATRIX TYPES

- 1. Badge (OVM/Passive Monitor)
- 2. Tube (specify type: charcoal, silica, XAD, etc)
- 3. Train (filter + tube, 2 tubes in series, etc)
- 4. Filter/Cassette (specify PVC, MCE, GFF, etc.)
- 5. Impinger Solutions (specify components)
- 6. Wipe (specify type)
- 7. Tedlar Bag
- 8. Summa Can
- 9. PUF/Resin/XAD
- 10. Other (list details):

Job/Project Name:  
Sampler's Name(s):  
Sampling Location (Specify State):  
Due Date (Push results requires Lab approval):  
REPORTING REQUIREMENTS (Circle all that apply):  
Full Data Package Reduced Deliverables Pkg Electronic Data Deliverables

| ITEM # | SAMPLE DESCRIPTION<br>(ID must match container labels) | MATRIX<br>(see above list) | MEDIA<br>(list catalog number) | FINAL AIR<br>COLLECTED<br>(specify: Liters, minutes, etc) | SAMPLE DATE | SAMPLE TIMES<br>Start Stop | FLOW RATES<br>(specify units: )<br>Initial Final Average | ANALYSIS REQUESTED<br>Use attachment if necessary.<br>Please specify method/analyte. |
|--------|--------------------------------------------------------|----------------------------|--------------------------------|-----------------------------------------------------------|-------------|----------------------------|----------------------------------------------------------|--------------------------------------------------------------------------------------|
| 4      | 2N-4-W                                                 |                            | wipe                           | 1 sec                                                     | 9/12/02     |                            |                                                          | LEAD < 9.0                                                                           |
| 5      | -H                                                     |                            |                                |                                                           |             |                            |                                                          | 18.6                                                                                 |
| 6      | -F                                                     |                            |                                |                                                           |             |                            |                                                          | 29.0                                                                                 |
| 7      |                                                        |                            |                                |                                                           |             |                            |                                                          |                                                                                      |
| 8      |                                                        |                            |                                |                                                           |             |                            |                                                          |                                                                                      |
| 9      |                                                        |                            |                                |                                                           |             |                            |                                                          |                                                                                      |
| 10     |                                                        |                            |                                |                                                           |             |                            |                                                          |                                                                                      |

1) Relinquished by:

*[Signature]*

Date 9/12/02 Time

3) Relinquished by:

Date Time

(2) Received by:

Date Time

(4) Received by:

Date Time

Method of Delivery:

UPS

FED-EX

PSC Courier

Client

US Mail

Other



104 East 25th St., 10th  
New York, New York 1  
www.atc-envirc  
212.353.  
Fax 212.353.

September 16, 2002

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

Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8839:

Client: D.E.P.  
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY  
Location: 1st Floor to Penthouse  
Samples received: 09/15/02

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses may be found on the attached document.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki', written in a cursive style.

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

**ATC Associates**

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280

Fax: (212) 353-8306



Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/15/02 7:00:00 AM  
 ATC Group #: 8839  
 Analysis Date: 9/16/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample        | Volume  | Area Analyzed | Non Asb | Asbestos Type(s) | # Structures<br>0.5µ-5 µ | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) | Notes |
|---------------|---------|---------------|---------|------------------|--------------------------|-------------------------------------|---------------------------------------------------|-------|
| 03<br>8839 -1 | 3050.00 | 0.0450        | 0       | None Detected    | 0                        | 0                                   | 0.0028 <22.24 <0.0028                             |       |
| 04<br>8839 -2 | 3050.00 | 0.0450        | 0       | CHRYSTILE        | 2                        | 0                                   | 0.0028 44.48 0.0056                               |       |
| 05<br>8839 -3 | 3050.00 | 0.0450        | 0       | None Detected    | 0                        | 0                                   | 0.0028 <22.24 <0.0028                             |       |
| 06<br>8839 -4 | 3050.00 | 0.0450        | 0       | CHRYSTILE        | 2                        | 0                                   | 0.0028 44.48 0.0056                               |       |
| 07<br>8839 -5 | 3050.00 | 0.0450        | 0       | CHRYSTILE        | 3                        | 1                                   | 0.0028 88.97 0.0112                               |       |
| 08<br>8839 -6 | 3050.00 | 0.0450        | 0       | CHRYSTILE        | 1                        | 1                                   | 0.0028 44.48 0.0056                               |       |
| 09<br>8839 -7 | 3050.00 | 0.0450        | 0       | None Detected    | 0                        | 0                                   | 0.0028 <22.24 <0.0028                             |       |

ROMAN PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm<sup>2</sup>. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/15/02 7:00:00 AM  
 ATC Group #: 8839  
 Analysis Date: 9/16/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ |   | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) (S/cc) |         | Notes |
|----------------|---------|------------------|------------|---------------------|--------------------------|---|-------------------------------------|----------------------------------------------------------|---------|-------|
| 10<br>8839 -8  | 3050.00 | 0.0450           | 0          | CHRYSTILE           | 3                        | 1 | 0.0028                              | 88.97                                                    | 0.0112  |       |
| 11<br>8839 -9  | 3050.00 | 0.0450           | 0          | CHRYSTILE           | 6                        | 3 | +0.0028                             | 200.18                                                   | 0.0253  |       |
| 12<br>8839 -10 | 3050.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0028                              | <22.24                                                   | <0.0028 |       |
| 13<br>8839 -11 | 3050.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1 | 0.0028                              | 22.24                                                    | 0.0028  |       |
| 14<br>8839 -12 | 3050.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0028                              | <22.24                                                   | <0.0028 |       |
| 15<br>8839 -13 | 3050.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0028                              | <22.24                                                   | <0.0028 |       |
| 16<br>8839 -14 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0036                              | <22.24                                                   | <0.0036 |       |
| 17<br>8839 -15 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0 | 0.0036                              | 22.24                                                    | 0.0036  |       |
| 18<br>8839 -16 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 1 | 0.0036                              | 44.48                                                    | 0.0071  |       |

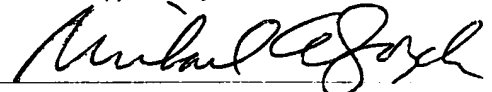
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/15/02 7:00:00 AM  
 ATC Group #: 8839  
 Analysis Date: 9/16/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area Analyzed | Non Asb | Asbestos Type(s) | # Structures<br>0.5µ-5 5µ |   | Analytical Sensitivity<br>(S/cc) | Asbestos Concentration<br>(S/mm <sup>2</sup> ) (S/cc) |         | Notes                        |
|----------------|---------|---------------|---------|------------------|---------------------------|---|----------------------------------|-------------------------------------------------------|---------|------------------------------|
| 19<br>8839 -17 | 2400.00 | 0.0450        | 0       | CHRYSTILE        | 0                         | 1 | 0.0036                           | 22.24                                                 | 0.0036  |                              |
| 20<br>8839 -18 | 2400.00 | 0.0450        | 0       | CHRYSTILE        | 1                         | 0 | 0.0036                           | 22.24                                                 | 0.0036  |                              |
| 21<br>8839 -19 | 2400.00 | 0.0450        | 0       | CHRYSTILE        | 1                         | 2 | 0.0036                           | 66.73                                                 | 0.0107  |                              |
| 22<br>8839 -20 | 2400.00 | 0.0450        | 0       | CHRYSTILE        | 0                         | 1 | 0.0036                           | 22.24                                                 | 0.0036  |                              |
| 23<br>8839 -21 | 2400.00 |               |         | Not Analyzed     |                           |   |                                  |                                                       |         | Overloaded with particulates |
| 24<br>8839 -22 | 2400.00 |               |         | Not Analyzed     |                           |   |                                  |                                                       |         | Overloaded with particulates |
| 25<br>8839 -23 | 2400.00 |               |         | Not Analyzed     |                           |   |                                  |                                                       |         | Overloaded with particulates |
| 26<br>8839 -24 | 2400.00 |               |         | Not Analyzed     |                           |   |                                  |                                                       |         | Overloaded with particulates |
| 27<br>8839 -25 | 2400.00 | 0.0450        | 0       | None Detected    | 0                         | 0 | 0.0036                           | <22.24                                                | <0.0036 |                              |

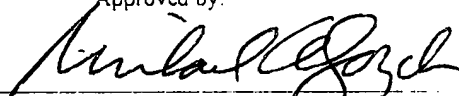
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D

Approved by:



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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/15/02 7:00:00 AM  
 ATC Group #: 8839  
 Analysis Date: 9/16/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) | (S/cc) | Notes                        |
|----------------|---------|------------------|------------|---------------------|--------------------------|-------------------------------------|---------------------------------------------------|--------|------------------------------|
| 28<br>8839 -26 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036                      |
| 29<br>8839 -27 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1                                   | 0.0036                                            | 22.24  | 0.0036                       |
| 30<br>8839 -28 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 1                                   | 0.0036                                            | 44.48  | 0.0071                       |
| 31<br>8839 -29 | 2400.00 |                  |            | Not Analyzed        |                          |                                     |                                                   |        | Overloaded with particulates |
| 32<br>8839 -30 | 2400.00 |                  |            | Not Analyzed        |                          |                                     |                                                   |        | Overloaded with particulates |
| 33<br>8839 -31 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036                      |
| 34<br>8839 -32 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1                                   | 0.0036                                            | 22.24  | 0.0036                       |
| 35<br>8839 -33 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036                      |
| 36<br>8839 -34 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036                       |

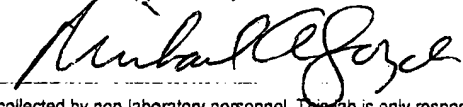
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D

Approved by:



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Accredited for NVLAP PLW/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/15/02 7:00:00 AM  
 ATC Group #: 8839  
 Analysis Date: 9/16/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|----------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|                |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm <sup>2</sup> )      | (S/cc)  |       |
| 37<br>8839 -35 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 0            | 1  | 0.0036                              | 22.24                     | 0.0036  |       |
| 38<br>8839 -36 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 41<br>8839 -37 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 42<br>8839 -38 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 43<br>8839 -39 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 44<br>8839 -40 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 45<br>8839 -41 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 1            | 1  | 0.0048                              | 44.48                     | 0.0095  |       |
| 46<br>8839 -42 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 2            | 1  | 0.0048                              | 66.73                     | 0.0143  |       |
| 47<br>8839 -43 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 4            | 2  | 0.0048                              | 133.45                    | 0.0285  |       |

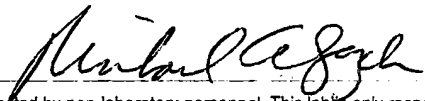
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D

Approved by:



Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm<sup>2</sup>. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This reports relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis' accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/15/02 7:00:00 AM  
 ATC Group #: 8839  
 Analysis Date: 9/16/02

Fax: (212) 353-3599 Phone: (212) 353-8280

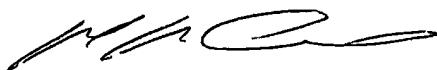
Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Ash | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ |   | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) (S/cc) |         | Notes                        |
|----------------|---------|------------------|------------|---------------------|--------------------------|---|-------------------------------------|----------------------------------------------------------|---------|------------------------------|
| 48<br>8839 -44 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 2                        | 1 | 0.0048                              | 66.73                                                    | 0.0143  |                              |
| 49<br>8839 -45 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 5                        | 1 | 0.0048                              | 133.45                                                   | 0.0285  |                              |
| 50<br>8839 -46 | 1800.00 |                  |            | Not Analyzed        |                          |   |                                     |                                                          |         | Overloaded with particulates |
| 51<br>8839 -47 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 3                        | 1 | 0.0048                              | 88.97                                                    | 0.0190  |                              |
| 52<br>8839 -48 | 1800.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0048                              | <22.24                                                   | <0.0048 |                              |
| 54<br>8839 -49 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0 | 0.0048                              | 22.24                                                    | 0.0048  |                              |
| 55<br>8839 -50 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0 | 0.0048                              | 22.24                                                    | 0.0048  |                              |
| 56<br>8839 -51 | 1800.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0048                              | <22.24                                                   | <0.0048 |                              |
| 57<br>8839 -52 | 1800.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0048                              | <22.24                                                   | <0.0048 |                              |

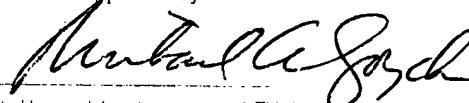
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm<sup>2</sup>. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLW/TEM #101187-0, NY State ELAP #10879



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of 1

## TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard  
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

## PROJECT INFORMATION

1. Client: DEP 2. Project Name: DEP Clean-up 3. Project # 22006-0002 4. Project Monitor: Ruben Hosta 4c. Rotameter Number: HP-097

5. Date: 9-14-07 6. Abatement Location: From 1st Fl To Penthouse 7. ☐ PCM (0.8 micron MCE) 8. ☒ TEM (0.45 micron MCE) 9. Type: Abatement 10. ☐ Environmental 11. ☐ Ambient 12. ☐ Other

2a. Project Address: 125 Cedar St 3a. Task # 2 4a. Air Sampler: Ruben Hosta 5a. ☐ Background 5b. ☐ Pre-Abate 5c. ☐ OSHA

7. ☐ PCM (0.8 micron MCE) 8. ☒ TEM (0.45 micron MCE) 9. Type: Abatement 10. ☐ Environmental 11. ☐ Ambient 12. ☐ Other

2a. Project Address: 125 Cedar St 3a. Task # 2 4a. Air Sampler: Ruben Hosta 5a. ☐ Background 5b. ☐ Pre-Abate 5c. ☐ OSHA

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          | 14. Flow Rate (L/min.) |            | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|---------------------|----------|-------------------------|----------|------------------------|------------|-----------------------------|---------------------------------|----------------------|
|                        |                 | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 13c. Total             | 14a. Start | 14b. End                    | 14b. Avg                        |                      |
| 01                     |                 |                     |          |                         |          |                        |            |                             |                                 |                      |
| 02                     |                 |                     |          |                         |          |                        |            |                             |                                 |                      |
| 03                     |                 |                     |          | 6:30                    | 11:35    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 04                     |                 |                     |          | 6:31                    | 11:36    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 05                     |                 |                     |          | 6:32                    | 11:37    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 06                     |                 |                     |          | 6:34                    | 11:39    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 07                     |                 |                     |          | 6:36                    | 11:41    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 08                     |                 |                     |          | 6:39                    | 11:44    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 09                     |                 |                     |          | 6:42                    | 11:47    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 10                     |                 |                     |          | 6:45                    | 11:50    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 11                     |                 |                     |          | 6:46                    | 11:51    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 12                     |                 |                     |          | 6:47                    | 11:52    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 13                     |                 |                     |          | 6:49                    | 11:53    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |
| 14                     |                 |                     |          | 6:52                    | 11:57    | 305                    | 10:0       | 10:0                        | 10.0                            | 3050                 |

## CHAIN OF CUSTODY

18. Relinquished By: R. Hosta 19. Received By: R. Hosta 20. Date: 9/14/07 21. Time: 7:00

22. Lab Name: TEM 23. Date: 9/18/07 24. Time: 15:00

25. Microscope Make/Serial #: ☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079

26. ATC Project Manager: Fred Buckhardt 27. Result To: Beeper/Phone #s

28. Comments: Analysis Methodology PCM - NIOSH 7400A TEM - AFTER

NY-1 (1/01)

# DAILY AIR SAMPLE RECORD

## CHAIN OF CUSTODY

| WHITE - File | YELLOW - Client/Report | PINK - Lab | GOLDENROD - Field |
|--------------|------------------------|------------|-------------------|
|              |                        |            |                   |

NY-1 (1/01)



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

## PROJECT INFORMATION

|                         |                                                                                       |                                                                                                   |                                                                                                                                           |                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1. Client: <b>DEP</b>   | 2. Project Name: <b>DEP CLEAN WP</b>                                                  | 3. Project # <b>0002</b>                                                                          | 4. Project Monitor: <b>C JOHNSON</b>                                                                                                      | 4c. Rotameter Number: <b>C5001</b>                                                                                    |
| 5. Date: <b>7-14-02</b> | 2a. Project Address: <b>125 CLEVER</b>                                                | 3a. Task # <b>0002</b>                                                                            | 4a. Air Sampler:                                                                                                                          |                                                                                                                       |
| 6. Abatement Location:  | 7. <input type="checkbox"/> PCM (0.8 micron MCE)<br>Cassette/Filter Manufacture Lot # | 8. <input checked="" type="checkbox"/> TEM (0.45 micron MCE)<br>Cassette/Filter Manufacture Lot # | 9. Type: <input checked="" type="checkbox"/> Abatement<br>a. <input type="checkbox"/> Background<br>b. <input type="checkbox"/> Pre-Abate | f. <input type="checkbox"/> Environmental<br>g. <input type="checkbox"/> Ambient<br>h. <input type="checkbox"/> Other |

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          |            | 14. Flow Rate (L/min.) |          |          | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|---------------------|----------|-------------------------|----------|------------|------------------------|----------|----------|-----------------------------|---------------------------------|----------------------|
|                        |                 | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 13c. Total | 14a. Start             | 14b. End | 14b. Avg |                             |                                 |                      |
| 16                     |                 |                     |          | 1135                    | 335      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 17                     |                 |                     |          | 1136                    | 336      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 18                     |                 |                     |          | 1137                    | 337      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 19                     |                 |                     |          | 1139                    | 339      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 20                     |                 |                     |          | 1140                    | 341      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 21                     |                 |                     |          | 1144                    | 344      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 22                     |                 |                     |          | 1147                    | 347      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 23                     |                 |                     |          | 1150                    | 350      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 24                     |                 |                     |          | 1151                    | 351      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 25                     |                 |                     |          | 1152                    | 352      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 26                     |                 |                     |          | 1154                    | 354      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |
| 27                     |                 |                     |          | 1157                    | 357      | 240        | 00                     | 00       | 00       | 2400                        |                                 |                      |

## CHAIN OF CUSTODY

|                                 |                             |                          |                       |
|---------------------------------|-----------------------------|--------------------------|-----------------------|
| 18. Relinquished By: <b>CSM</b> | 19. Received By: <b>RLR</b> | 20. Date: <b>7/15/02</b> | 21. Time: <b>7:00</b> |
| II                              |                             |                          |                       |
| III                             |                             |                          |                       |

## LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

|                                                |                          |                        |
|------------------------------------------------|--------------------------|------------------------|
| 22. Lab Name: <b>ATC</b>                       | 23. Date: <b>7/15/02</b> | 24. Time: <b>15:00</b> |
| a. Analyzed By: <b>RLR</b>                     |                          |                        |
| b. QC By:                                      |                          |                        |
| c. Lab Batch #:                                |                          |                        |
| 25. Microscope Make/Serial #:                  |                          |                        |
| <input type="checkbox"/> Nikon Labophot 238913 |                          |                        |
| <input type="checkbox"/> Nikon Labophot 238917 |                          |                        |
| <input type="checkbox"/> Nikon Labophot 239079 |                          |                        |
| Analysis Methodology                           |                          |                        |
| PCM - NIOSH 7400A                              |                          |                        |
| TEM - AHERA                                    |                          |                        |

## ATC Project Manager:

|                       |                                       |
|-----------------------|---------------------------------------|
| 26. <b>F Bunkland</b> | 27. Result To: <b>Beeper/Phone #s</b> |
|-----------------------|---------------------------------------|

## Comments:

|  |
|--|
|  |
|--|



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

8839 15222806

## PROJECT INFORMATION

|                        |                                                                                       |                                                                                                   |                                                                                                                                                                                                                                                                                                                                |                             |
|------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 1. Client: DGP         | 2. Project Name: DGP CLEAN UP                                                         | 3. Project # 2002                                                                                 | 4. Project Monitor: C Johnson                                                                                                                                                                                                                                                                                                  | 4c. Rotameter Number: 05601 |
| 5. Date: 2-14-02       | 2a. Project Address: 125 CLEMAN ST                                                    | 3a. Task # 0602                                                                                   | 4a. Air Sampler: — u —                                                                                                                                                                                                                                                                                                         |                             |
| 6. Abatement Location: | 7. <input type="checkbox"/> PCM (0.8 micron MCE)<br>Cassette/Filter Manufacture Lot # | 8. <input checked="" type="checkbox"/> PCM (0.45 micron MCE)<br>Cassette/Filter Manufacture Lot # | 9. Type: a. <input type="checkbox"/> Background b. <input type="checkbox"/> Pre-Abate c. <input checked="" type="checkbox"/> Abatement d. <input type="checkbox"/> Post-Abate e. <input type="checkbox"/> OSHA f. <input type="checkbox"/> Environmental g. <input type="checkbox"/> Ambient h. <input type="checkbox"/> Other |                             |

## TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard  
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

Page 2 of 4

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          |            | 14. Flow Rate (L/min.) |          |          | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|---------------------|----------|-------------------------|----------|------------|------------------------|----------|----------|-----------------------------|---------------------------------|----------------------|
|                        |                 | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 13c. Total | 14a. Start             | 14b. End | 14b. Avg |                             |                                 |                      |
| 28                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 29                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 30                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 31                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 32                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 33                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 34                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 35                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 36                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 37                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 38                     |                 |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |

## CHAIN OF CUSTODY

|                                      |                            |                            |                |
|--------------------------------------|----------------------------|----------------------------|----------------|
| 18. Relinquished By: [Signature]     | 19. Received By: R. Ruy    | 20. Date: 9/15/02          | 21. Time: 7:00 |
| I                                    |                            |                            |                |
| II                                   |                            |                            |                |
| III                                  |                            |                            |                |
| 26. ATC Project Manager: [Signature] | 27. Result To: [Signature] | 27. Result To: [Signature] |                |

## LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

|                                                                                                                                                    |                       |                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|
| 22. Lab Name: [Signature]                                                                                                                          | 23. Date: 9/15/02     | 24. Time: 15:10 |
| a. Analyzed By: [Signature]                                                                                                                        | b. QC By: [Signature] | c. Lab Batch #: |
| 25. Microscope Make/Serial #: [Signature]                                                                                                          |                       |                 |
| <input type="checkbox"/> Nikon Labophot 238913<br><input type="checkbox"/> Nikon Labophot 238917<br><input type="checkbox"/> Nikon Labophot 239079 |                       |                 |
| Analysis Methodology: PCM - NIOSH 7400A                                                                                                            |                       |                 |



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

## PROJECT INFORMATION

1. Client: **DCP**

2. Project Name: **Dep Cleanup**

3. Project #: **6002**

4. Project Monitor: **C Johnson**

4c. Rotameter Number: **C5001**

5. Date: **9/4/02**

6. Abatement Location: **125 CLEANS RD**

7. ☐ PCM (0.8 micron MCE)  
Cassette/Filler Manufacture Lot #

8. ☒ TEM (0.45 micron MCE)  
Cassette/Filler Manufacture Lot #

9. Type: ☐ Abatement ☐ Environmental  
☐ Background ☐ Post-Abate ☐ Ambient  
☐ Pre-Abate ☐ OSHA ☐ Other

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location | 13. Time (24 hrs clock) | 14. Flow Rate (L/min.) | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|---------------------|-------------------------|------------------------|-----------------------------|---------------------------------|----------------------|
| 39                     |                 | Field Blank         |                         |                        |                             |                                 |                      |
| 40                     |                 | Field Blank         |                         |                        |                             |                                 |                      |
| 41                     |                 | Highway 37000       | 354                     | 754                    | 240                         | 0                               | 2400                 |
| 42                     |                 | " " CLEANS RD       | 357                     | 757                    | 240                         | 0                               | 2400                 |
| 43                     |                 | " " WASTE           | 359                     | 759                    | 240                         | 0                               | 2400                 |
| 44                     |                 | Highway 86500       | 725                     | 1035                   | 180                         | 0                               | 1800                 |
| 45                     |                 | " 12 FL             | 736                     | 1036                   | 180                         | 0                               | 1800                 |
| 46                     |                 | " 16 FL             | 737                     | 1037                   | 180                         | 0                               | 1800                 |
| 47                     |                 | " 10 FL             | 739                     | 1039                   | 180                         | 0                               | 1800                 |
| 48                     |                 | " 9 FL              | 741                     | 1041                   | 180                         | 0                               | 1800                 |
| 49                     |                 | " 8 FL              | 744                     | 1044                   | 180                         | 0                               | 1800                 |
| 50                     |                 | " 7 FL              | 747                     | 1047                   | 180                         | 0                               | 1800                 |
| 51                     |                 | " 6 FL              | 750                     | 1050                   | 180                         | 0                               | 1800                 |
| 52                     |                 | " 5 FL              | 751                     | 1051                   | 180                         | 0                               | 1800                 |

## CHAIN OF CUSTODY

18. Relinquished By: **CR**

19. Received By: **CR**

20. Date: **9/5/02**

21. Time: **7:00**

## LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: **ATC**

23. Date: **9/6**

24. Time: **13:00**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology: **PCM - NIOSH 7400A**

28. Comments:

## ATC Project Manager:

**F Bucklehand**

## 27. Result To:

**-Beeper/Phone #s**

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field





104 East 25th St., 10th Floor  
New York, New York 10010  
www.atc-enviro.com  
212.353.8280  
Fax 212.353.8306

September 17, 2002

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

Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8840:

Client: D.E.P.  
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY  
Location: 1st Floor to Penthouse  
Samples received: 09/16/02

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses may be found on the attached document.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki', written in a cursive style.

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

**ATC Associates**

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280

Fax: (212) 353-8306

**Attn:** Fred Burkhardt

ATC Associates Inc.

104 East 25th Street

New York

NY 10010

**Fax:** (212) 353-3599**Phone:** (212) 353-8280**Received:** 9/16/02

8:00:00 AM

**ATC Group #:** 8840**Analysis Date:** 9/17/02**Project:** DEP Clean-up Project #: 22906-0002

125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample        | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) | (S/cc) | Notes   |
|---------------|---------|------------------|------------|---------------------|--------------------------|-------------------------------------|---------------------------------------------------|--------|---------|
| 03<br>8840 -1 | 2450.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0035                                            | <22.24 | <0.0035 |
| 04<br>8840 -2 | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 2                                   | 0.0035                                            | 66.73  | 0.0105  |
| 05<br>8840 -3 | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 2                        | 0                                   | 0.0035                                            | 44.48  | 0.0070  |
| 06<br>8840 -4 | 2450.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0035                                            | <22.24 | <0.0035 |
| 07<br>8840 -5 | 2450.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0035                                            | <22.24 | <0.0035 |
| 08<br>8840 -6 | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0035                                            | 22.24  | 0.0035  |
| 09<br>8840 -7 | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1                                   | 0.0035                                            | 22.24  | 0.0035  |

ROMAN PEYSANHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 8:00:00 AM  
 ATC Group #: 8840  
 Analysis Date: 9/17/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 5µ |   | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm²) (S/cc) |         | Notes                        |
|----------------|---------|------------------|------------|---------------------|---------------------------|---|-------------------------------------|---------------------------------------------|---------|------------------------------|
| 10<br>8840 -8  | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 1                         | 0 | 0.0035                              | 22.24                                       | 0.0035  |                              |
| 11<br>8840 -9  | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 3                         | 3 | 0.0035                              | 133.45                                      | 0.0210  |                              |
| 12<br>8840 -10 | 2450.00 |                  |            | Not Analyzed        |                           |   |                                     |                                             |         | Overloaded with particulates |
| 13<br>8840 -11 | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 0                         | 2 | 0.0035                              | 44.48                                       | 0.0070  |                              |
| 14<br>8840 -12 | 2450.00 | 0.0450           | 0          | AMOSITE             | 0                         | 1 | 0.0035                              | 22.24                                       | 0.0035  |                              |
| 15<br>8840 -13 | 2450.00 | 0.0450           | 0          | CHRYSTILE           | 1                         | 2 | 0.0035                              | 66.73                                       | 0.0105  |                              |
| 16<br>8840 -14 | 2400.00 | 0.0450           | 0          | None Detected       | 0                         | 0 | 0.0036                              | <22.24                                      | <0.0036 |                              |
| 17<br>8840 -15 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 2                         | 0 | 0.0036                              | 44.48                                       | 0.0071  |                              |
| 18<br>8840 -16 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                         | 0 | 0.0036                              | 22.24                                       | 0.0036  |                              |

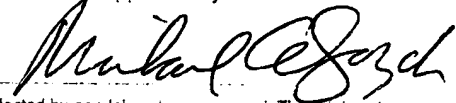
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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 ATC Associates Inc.  
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 New York NY 10010

Received: 9/16/02 8:00:00 AM  
 ATC Group #: 8840  
 Analysis Date: 9/17/02

Fax: (212) 353-3599 Phone: (212) 353-8280

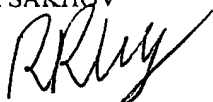
Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) | (S/cc) | Notes   |
|----------------|---------|------------------|------------|---------------------|--------------------------|-------------------------------------|---------------------------------------------------|--------|---------|
| 19<br>8840 -17 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 20<br>8840 -18 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 21<br>8840 -19 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 2                                   | 0.0036                                            | 66.73  | 0.0107  |
| 22<br>8840 -20 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036  |
| 23<br>8840 -21 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036  |
| 24<br>8840 -22 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 2                        | 2                                   | 0.0036                                            | 88.97  | 0.0143  |
| 25<br>8840 -23 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036  |
| 26<br>8840 -24 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036  |
| 27<br>8840 -25 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |

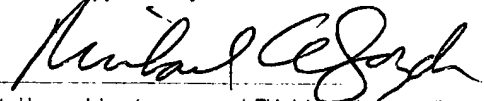
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 8:00:00 AM  
 ATC Group #: 8840  
 Analysis Date: 9/17/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Ash | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) | (S/cc) | Notes   |
|----------------|---------|------------------|------------|---------------------|--------------------------|-------------------------------------|---------------------------------------------------|--------|---------|
| 28<br>8840 -26 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 29<br>8840 -27 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 30<br>8840 -28 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 31<br>8840 -29 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 32<br>8840 -30 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 33<br>8840 -31 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036  |
| 34<br>8840 -32 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 35<br>8840 -33 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1                                   | 0.0036                                            | 22.24  | 0.0036  |
| 36<br>8840 -34 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036  |

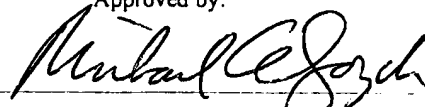
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 8:00:00 AM  
 ATC Group #: 8840  
 Analysis Date: 9/17/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) | (S/cc) | Notes   |
|----------------|---------|------------------|------------|---------------------|--------------------------|-------------------------------------|---------------------------------------------------|--------|---------|
| 37<br>8840 -35 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 38<br>8840 -36 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 41<br>8840 -37 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 42<br>8840 -38 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 43<br>8840 -39 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0                                   | 0.0036                                            | <22.24 | <0.0036 |
| 44<br>8840 -40 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0                                   | 0.0036                                            | 22.24  | 0.0036  |
| 45<br>8840 -41 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 2                                   | 0.0036                                            | 66.73  | 0.0107  |
| 46<br>8840 -42 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1                                   | 0.0036                                            | 22.24  | 0.0036  |
| 47<br>8840 -43 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 2                        | 1                                   | 0.0036                                            | 66.73  | 0.0107  |

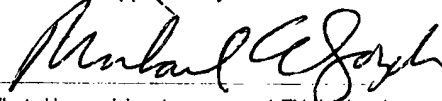
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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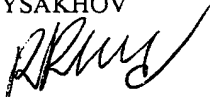
Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ |   | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) (S/cc) |         | Notes |
|----------------|---------|------------------|------------|---------------------|--------------------------|---|-------------------------------------|----------------------------------------------------------|---------|-------|
| 48<br>8840 -44 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1 | 0.0036                              | 22.24                                                    | 0.0036  |       |
| 49<br>8840 -45 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 4                        | 0 | 0.0036                              | 88.97                                                    | 0.0143  |       |
| 50<br>8840 -46 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 2                        | 0 | 0.0036                              | 44.48                                                    | 0.0071  |       |
| 51<br>8840 -47 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 3                        | 2 | 0.0036                              | 111.21                                                   | 0.0178  |       |
| 52<br>8840 -48 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 1 | 0.0036                              | 44.48                                                    | 0.0071  |       |
| 54<br>8840 -49 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1 | 0.0036                              | 22.24                                                    | 0.0036  |       |
| 55<br>8840 -50 | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 2                        | 0 | 0.0036                              | 44.48                                                    | 0.0071  |       |
| 56<br>8840 -51 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0036                              | <22.24                                                   | <0.0036 |       |
| 57<br>8840 -52 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0036                              | <22.24                                                   | <0.0036 |       |

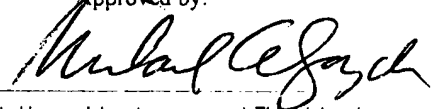
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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# AIR MONITORING DATA

## AND

### PROJECT INFORMATION

8810 51/57 CHAIN OF CUSTODY FORM  
2354-2410

TURNAROUND TIME  
☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☒ Standard  
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other

Page 1 of 1

|                                                     |                                                       |                                                                                       |                              |
|-----------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------|
| 1. Client: DEP                                      | 2. Project Name: DEP Clean-up                         | 3. Project #:                                                                         | 4. Project Monitor:          |
| 5. Date: 9-15-02 To Penhouse                        | 6. Abatement Location: From 1st Fl 125 Cedar St.      | 22906-0002                                                                            | Paul Pavilio                 |
| 7. PCM (0.8 micron MCE) Cassette/Filter Manufacture | 8. ITEM (0.45 micron MCE) Cassette/Filter Manufacture | 9. Type: a. <input type="checkbox"/> Background b. <input type="checkbox"/> Pre-Abate | 4c. Rotameter Number: HP-057 |
| 2a. Project Address: 125 Cedar St.                  | 3a. Task #:                                           | 4a. Air Sampler:                                                                      |                              |

### DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          |            | 14. Flow Rate (L/min.) |          | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Filter Conc. F/CC |
|------------------------|-----------------|---------------------|----------|-------------------------|----------|------------|------------------------|----------|-----------------------------|---------------------------------|-----------------------|
|                        |                 | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 13c. Total | 14a. Start             | 14b. End |                             |                                 |                       |
| 01                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 02                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 03                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 04                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 05                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 06                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 07                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 08                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 09                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 10                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 11                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 12                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 13                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |
| 14                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                       |

### CHAIN OF CUSTODY

|                      |                  |           |           |
|----------------------|------------------|-----------|-----------|
| 18. Relinquished By: | 19. Received By: | 20. Date: | 21. Time: |
| K. Hcos78            | JH               | 9/16/02   | 8:00      |
| II                   |                  |           |           |
| III                  |                  |           |           |

### LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

|                       |           |           |
|-----------------------|-----------|-----------|
| 22. Lab Name: ATC-TEM | 23. Date: | 24. Time: |
| a. Analyzed By: Rely  | 9/17/02   | 14:00     |
| b. QC By:             |           |           |
| c. Lab Batch #:       |           |           |

### 26. ATC Project Manager:

27. Result To:

Beeper/Phone #'s

### 28. Comments:

WHITE - File YELLOW - Client/Report PINK - Lab GOLDENROD - Field

### Analysis Methodology

PCM - NIOSH 7400A  
TEM - AHERA

☐ 2 hrs      ☐ 6 hrs      ☐ 48 hrs      ☒ Standard

☐ 4 hrs      ☐ 24 hrs      ☐ 72 hrs      ☐ Other

|                                                                     |  |                                                                                                      |  |                                                                                                                    |  |                                                                                                                                                                                                                                                                                                                                                        |  |                                                       |  |
|---------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------|--|
| 1. Client:                                                          |  | 2. Project Name                                                                                      |  | 3. Project #                                                                                                       |  | 4. Project Monitor:                                                                                                                                                                                                                                                                                                                                    |  | 4c. Rotameter Number:                                 |  |
| 5. Date: 9-15-02<br>6. Abatement Location: From 1st fl. To Penhouse |  | 7. <input type="checkbox"/> PCM (0.8 micron MCE)<br>Cassette/Filter Manufacture _____<br>Lot # _____ |  | 8. <input checked="" type="checkbox"/> TEM (0.45 micron MCE)<br>Cassette/Filter Manufacture Nuclear<br>Lot # _____ |  | 9. Type:<br>a. <input type="checkbox"/> Background<br>b. <input type="checkbox"/> Pre-Abate<br>c. <input checked="" type="checkbox"/> Abatement<br>d. <input type="checkbox"/> Post-Abate<br>e. <input type="checkbox"/> OSHA<br>f. <input type="checkbox"/> Environmental<br>g. <input type="checkbox"/> Ambient<br>h. <input type="checkbox"/> Other |  | 10. Air Sampler: Hylon Hosts<br>11. Air Flow: 100 cfm |  |
| 12. Project Address: 125 Cedar St.                                  |  | 13. Task #: 2                                                                                        |  | 14. Air Sampler: Hylon Hosts                                                                                       |  | 15. Air Flow: 100 cfm                                                                                                                                                                                                                                                                                                                                  |  | 16. Air Flow: 100 cfm                                 |  |

[illegible]

| 18. Relinquished By: | 19. Received By: | 20. Date:      | 21. Time:   |
|----------------------|------------------|----------------|-------------|
| I. <i>Acosta</i>     | <i>JD</i>        | <i>9/16/02</i> | <i>8:00</i> |
| II                   |                  |                |             |
| III                  |                  |                |             |

|                 |          |           |         |           |  |
|-----------------|----------|-----------|---------|-----------|--|
| 22. Lab Name:   | PTC-75-M | 23. Date: | 7/16/00 | 24. Time: |  |
| a. Analyzed By: | DPG      |           |         |           |  |
| b. QC By:       |          |           |         |           |  |
| c. Lab Batch #: |          |           |         |           |  |

|                                                |  |
|------------------------------------------------|--|
| 25. Microscope Make/Serial #:                  |  |
| <input type="checkbox"/> Nikon Labophot 238913 |  |
| <input type="checkbox"/> Nikon Labophot 238917 |  |
| <input type="checkbox"/> Nikon Labophot 239079 |  |

|                          |                        |
|--------------------------|------------------------|
| 26. ATC Project Manager: | 27. Result To: _____   |
| <i>Fred Burkhardt</i>    | Beeper/Phone #'s _____ |

|               |                      |
|---------------|----------------------|
| 28. Comments: | Analysis Methodology |
|               | PCM - NIOSH 7400A    |
|               | TEM - AHERA          |



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

## PROJECT INFORMATION

1. Client: **DEP** 2. Project Name: **Dep Clean-up** 3. Project # **229060002** 4. Project Monitor: **Paul Pavliti** 4c. Rotameter Number: **HP-097**

5. Date: **9-15-02 to Penthouse** 6. Abatement Location: **From 1st FL** 7. ☐ PCM (0.8 micron MCE) 8. ☒ TEM (0.45 micron MCE) 9. Type: **Abatement** 9a. ☐ Background 9b. ☐ Pre-Abate 9c. ☒ Abatement 9d. ☐ Post-Abate 9e. ☐ OSHA 9f. ☐ Environmental 9g. ☐ Ambient 9h. ☐ Other

2a. Project Address: **125 Cedar St** 3a. Task # **2** 4a. Air Sampler: **Rubén Acosta**

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location    | 13. Time (24 hrs clock) | 14. Flow Rate (L/min.) | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|------------------------|-------------------------|------------------------|-----------------------------|---------------------------------|----------------------|
|                        |                 | 12a. IWA               | 13a. Start              | 14a. Start             | 14b. End                    | 14b. Avg                        |                      |
|                        |                 | 12b. OWA               | 13b. End                | 13c. Total             |                             |                                 |                      |
|                        |                 | Field Blank            |                         |                        |                             |                                 |                      |
|                        |                 | Field Blank            |                         |                        |                             |                                 |                      |
| 16                     |                 | ✓ On hallway Penthouse | 10:37                   | 1437                   | 240                         | 10.0                            | 6.0                  |
| 17                     |                 | ✓ On hallway 22nd FL   | 10:38                   | 1438                   | 240                         | 10.0                            | 10                   |
| 18                     |                 | ✓ On hallway 11th FL   | 10:40                   | 1440                   | 240                         | 10.0                            | 10                   |
| 19                     |                 | ✓ On hallway 10th FL   | 10:41                   | 1441                   | 240                         | 10.0                            | 10                   |
| 20                     |                 | ✓ On hallway 9th FL    | 10:43                   | 1443                   | 240                         | 10.0                            | 10                   |
| 21                     |                 | ✓ On hallway 8th FL    | 10:45                   | 1445                   | 240                         | 10.0                            | 10                   |
| 22                     |                 | ✓ On hallway 7th FL    | 10:48                   | 1448                   | 240                         | 10.0                            | 10                   |
| 23                     |                 | ✓ On hallway 6th FL    | 10:50                   | 1450                   | 240                         | 10.0                            | 10                   |
| 24                     |                 | ✓ On hallway 5th FL    | 10:52                   | 1452                   | 240                         | 10.0                            | 10                   |
| 25                     |                 | ✓ On hallway 4th FL    | 10:54                   | 1454                   | 240                         | 10.0                            | 10                   |
| 26                     |                 | ✓ On hallway 3rd FL    | 10:55                   | 1455                   | 240                         | 10.0                            | 10                   |
| 27                     |                 | ✓ On ground Clean Room | 10:56                   | 1456                   | 240                         | 10.0                            | 10                   |

## CHAIN OF CUSTODY

18. Requisitioned By: **R. Acosta** 19. Received By: **FD** 20. Date: **9/16/02** 21. Time: **8:00**

II **III**

26. ATC Project Manager: **Fred Burckhardt**

27. Result To: \_\_\_\_\_

Beeper/Phone #'s \_\_\_\_\_

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

## LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: **ATC-TEM** 23. Date: **9/16/02** 24. Time: **14:00**

a. Analyzed By: **R. Acosta** b. QC By: \_\_\_\_\_ c. Lab Batch #: \_\_\_\_\_

25. Microscope Make/Serial #: \_\_\_\_\_  
☐ Nikon Labophot 238913  
☐ Nikon Labophot 238917  
☐ Nikon Labophot 239079

Analysis Methodology:  
 PCM - NIOSH 7400A  
 TEM - AHERA



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

8840

## PROJECT INFORMATION

1. Client: DEP

2. Project Name: DEP Clean-up

3. Project # 2506-0002

4. Project Monitor: Paul P. Miller

5. Date: 9-15-02 To Penhouse

6. Abatement Location: Room 1st Fl.

7. ☐ PCM (0.8 micron MCE)

8. ☒ TEM (0.45 micron MCE)

9. Type: Abatement

10. ☐ Post-Abate

11. ☐ OSHA

12. Sample Location

13. Time (24 hrs clock)

14. Flow Rate (L/min.)

15. Total Air Vol. (liters)

16. # Fibers/Fields Minus Blank

17. Fiber Conc. FCC

18. ☐ Environmental

19. ☐ Ambient

20. ☐ Other

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location | 13a. Start | 13b. End | 13c. Total | 14a. Start | 14b. End | 14b. Avg | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. FCC |
|------------------------|-----------------|---------------------|------------|----------|------------|------------|----------|----------|-----------------------------|---------------------------------|---------------------|
| 28                     |                 | inside waste room   | 10:58      | 14:58    | 240        | 10.0       | 10       | 10       | 2400                        |                                 |                     |
| 29                     |                 | Hallway Penhouse    | 14:37      | 18:37    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 30                     |                 | "                   | 14:38      | 18:37    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 31                     |                 | "                   | 14:40      | 18:40    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 32                     |                 | "                   | 14:41      | 18:41    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 33                     |                 | "                   | 14:43      | 18:43    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 34                     |                 | "                   | 14:45      | 18:45    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 35                     |                 | "                   | 14:48      | 18:48    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 36                     |                 | "                   | 14:50      | 18:50    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 37                     |                 | "                   | 14:52      | 18:52    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |
| 38                     |                 | "                   | 14:54      | 18:54    | 240        | 10         | 10       | 10       | 2400                        |                                 |                     |

## CHAIN OF CUSTODY

18. Relinquished By: K. Acosta

19. Received By: JD

20. Date: 9/16/02

21. Time: 8 am

## LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: ATC-TEM

23. Date: 9/16/02

24. Time: 14:00

a. Analyzed By: PRoy

b. QC By:

c. Lab Batch #:

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology

PCM - NIOSH 7400A

TEM - AHERA

## 26. ATC Project Manager:

27. Result To: Fred Buckhatal

Beeper/Phone #'s:

## 28. Comments:

WHITE - File YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

## PROJECT INFORMATION

Client: **DEP** **8840** **1522806**

2. Project Name: **DEP CLEAN UP** 3. Project #: **0001** 4. Project Monitor: **C. Johnson** 4c. Rotameter Number: **05601**

2a. Project Address: **125 CEDAR ST** 3a. Task #: **0002** 4a. Air Sampler: **"**

6. Abatement Location: **11501** 7. ☒ PCM (0.8 micron MCE) ☐ TEM (0.45 micron MCE) 8. ☒ Cassette/Filter Manufacture Lot # \_\_\_\_\_

9. Type: ☒ Abatement ☐ Environmental  
☐ Background ☐ Post-Abate ☐ OSHA  
☐ Pre-Abate

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard  
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ Other \_\_\_\_\_

## DAILY AIR SAMPLE RECORD

| Sample I.D. Number | Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          |            | 14. Flow Rate (L/min.) |          |          | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|--------------------|-------------|---------------------|----------|-------------------------|----------|------------|------------------------|----------|----------|-----------------------------|---------------------------------|----------------------|
|                    |             | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 13c. Total | 14a. Start             | 14b. End | 14b. Avg |                             |                                 |                      |
| 39                 |             |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 40                 |             |                     |          |                         |          |            |                        |          |          |                             |                                 |                      |
| 41                 |             |                     |          | 1455                    | 1858     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 42                 |             |                     |          | 1455                    | 1858     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 43                 |             |                     |          | 1458                    | 1858     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 44                 |             |                     |          | 1837                    | 2237     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 45                 |             |                     |          | 1839                    | 2239     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 46                 |             |                     |          | 1840                    | 2240     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 47                 |             |                     |          | 1841                    | 2241     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 48                 |             |                     |          | 1843                    | 2243     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 49                 |             |                     |          | 1845                    | 2245     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 50                 |             |                     |          | 1848                    | 2248     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 51                 |             |                     |          | 1850                    | 2250     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |
| 52                 |             |                     |          | 1852                    | 2252     | 2400       | 10                     | 10       | 10       | 2400                        |                                 |                      |

## CHAIN OF CUSTODY

8. Relinquished By: **[Signature]** 19. Received By: **[Signature]** 20. Date: **9/16/02** 21. Time: **8 am**

16. ATC Project Manager: **F. Buckhand** 27. Result To: **[Signature]** 28. Comments: **[Blank]**

## LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: **ATC** 23. Date: **9/17/02** 24. Time: **14:00**

a. Analyzed By: **[Signature]** b. QC By: **[Blank]** c. Lab Batch #: **[Blank]**

25. Microscope Make/Serial #: **[Blank]**  
☐ Nikon Labophot 238913  
☐ Nikon Labophot 238917  
☐ Nikon Labophot 239079

Analysis Methodology: **PCM - NIOSH 7400A TEM - AHERA**

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)





104 East 25th St., 10th Floor  
New York, New York 10010  
www.atc-enviro.com  
212.353.8280  
Fax 212.353.8306

September 18, 2002

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

Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8844:

Client: D.E.P.  
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY  
Location: All Apartments  
Samples received: 09/16/02

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses may be found on the attached document.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Michael A. Gorycki'.

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

**ATC Associates**

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280

Fax: (212) 353-8306



Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 4:30:00 PM

ATC Group #: 8844

Analysis Date: 9/18/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample        | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|---------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|               |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm <sup>2</sup> )      | (S/cc)  |       |
| 04<br>8844 -1 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 05<br>8844 -2 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 06<br>8844 -3 | 2500.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0034                              | <22.24                    | <0.0034 |       |
| 07<br>8844 -4 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 08<br>8844 -5 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 09<br>8844 -6 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 10<br>8844 -7 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |

MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm<sup>2</sup>. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 4:30:00 PM  
 ATC Group #: 8844  
 Analysis Date: 9/18/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|----------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|                |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm²)                   | (S/cc)  |       |
| 11<br>8844 -8  | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 12<br>8844 -9  | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 13<br>8844 -10 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 14<br>8844 -11 | 2300.00 | 0.0450           | 0          | CHRYSTILE           | 1            | 1  | 0.0037                              | 44.48                     | 0.0074  |       |
| 15<br>8844 -12 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 16<br>8844 -13 | 2390.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 17<br>8844 -14 | 2390.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 18<br>8844 -15 | 2380.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 19<br>8844 -16 | 2370.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |

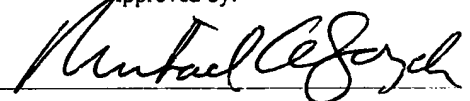
MARK PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis accuracy and precision) is available upon request.

Accredited for NVLAP PLW/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 4:30:00 PM  
 ATC Group #: 8844  
 Analysis Date: 9/18/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|----------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|                |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm²)                   | (S/cc)  |       |
| 20<br>8844 -17 | 2370.00 | 0.0450           | 0          | CHRYSTOTILE         | 1            | 1  | 0.0036                              | 44.48                     | 0.0072  |       |
| 21<br>8844 -18 | 2360.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |

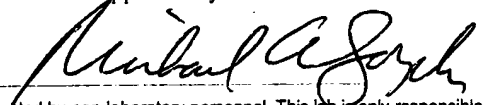
MARK PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm². This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis' accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879



AIR MONITORING DATA  
AND  
CHAIN OF CUSTODY FORM

PROJECT INFORMATION

|                                       |                                                                                       |                                                                                                       |                                                                                                                                                                                                     |                                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 1. Client: DEP                        | 2. Project Name: DEP clean-up                                                         | 3. Project # 1522006-0002                                                                             | 4. Project Monitor: E. Lemanovich                                                                                                                                                                   | 4c. Rotameter Number: SD-006                                                                                                        |
| 5. Date: 9.16.02                      | 2a. Project Address: 125 Cedar St                                                     | 3a. Task # 80002                                                                                      | 4a. Air Sampler: E. Lemanovich                                                                                                                                                                      |                                                                                                                                     |
| 6. Abatement Location: All apartments | 7. <input type="checkbox"/> PCM (0.8 micron MCE)<br>Cassette/Filter Manufacture Lot # | 8. <input checked="" type="checkbox"/> TEM (0.45 micron MCE)<br>Cassette/Filter Manufacture Lot # 516 | 9. Type: a. <input type="checkbox"/> Background b. <input type="checkbox"/> Pre-Abate c. <input type="checkbox"/> Abatement d. <input type="checkbox"/> Post-Abate e. <input type="checkbox"/> OSHA | f. <input type="checkbox"/> Environmental g. <input type="checkbox"/> Ambient h. <input checked="" type="checkbox"/> Other Cleaning |

DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number |          | 12. Sample Location     |  | 13. Time (24 hrs clock) |          |            | 14. Flow Rate (L/min.) |          | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|----------|-------------------------|--|-------------------------|----------|------------|------------------------|----------|-----------------------------|---------------------------------|----------------------|
|                        | 12a. IWA        | 12b. OWA | 12c. Sample Coordinates |  | 13a. Start              | 13b. End | 13c. Total | 14a. Start             | 14b. End | 14b. Avg                    |                                 |                      |
| 01                     |                 |          | Field Blank             |  |                         |          |            |                        |          |                             |                                 |                      |
| 02                     |                 |          | Field Blank             |  |                         |          |            |                        |          |                             |                                 |                      |
| 03                     |                 |          | Field Blank             |  |                         |          |            |                        |          |                             |                                 |                      |
| 04                     | ✓               |          | 3 Floor Apartment North |  | 6:20                    | 10:20    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 05                     | ✓               |          | 3 South                 |  | 6:21                    | 10:21    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 06                     | ✓               |          | 4 North                 |  | 6:23                    | 10:23    | 240        | 10                     | 10.5     | 10.5                        | 2500                            |                      |
| 07                     | ✓               |          | 5 North                 |  | 6:25                    | 10:25    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 08                     | ✓               |          | 5 South                 |  | 6:26                    | 10:26    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 09                     | ✓               |          | 6 South                 |  | 6:28                    | 10:28    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 10                     | ✓               |          | 9 South                 |  | 6:30                    | 10:30    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 11                     | ✓               |          | 12 South                |  | 6:32                    | 10:32    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 12                     | ✓               |          | 13 North                |  | 6:34                    | 10:34    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 13                     | ✓               |          | 3 North                 |  | 10:20                   | 14:20    | 240        | 10                     | 10       | 10                          | 2400                            |                      |
| 14                     | ✓               |          | 3 South                 |  | 10:21                   | 14:21    | 240        | 10                     | 9.5      | 9.5                         | 2300                            |                      |

CHAIN OF CUSTODY

|                                                                                                                                                                            |                                 |                                         |                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-----------------------------------------|-----------------------|
| 18. Relinquished By: E. Lemanovich                                                                                                                                         | 19. Received By: JB             | 20. Date: 9/16/02                       | 21. Time: 16:30       |
| II                                                                                                                                                                         |                                 |                                         |                       |
| III                                                                                                                                                                        |                                 |                                         |                       |
| 26. ATC Project Manager: F. Burkhardt                                                                                                                                      | 27. Result To: Beeper/Phone #'s | 28. Comments:                           |                       |
| 25. Microscope Make/Serial #: <input type="checkbox"/> Nikon Labophot 238913 <input type="checkbox"/> Nikon Labophot 238917 <input type="checkbox"/> Nikon Labophot 239079 |                                 | Analysis Methodology: PCM - NIOSH 7400A |                       |
| LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)                                                                                                                       |                                 | 22. Lab Name: DEP                       | 23. Date: 9/18/02     |
| 24. Time: 12:15                                                                                                                                                            |                                 | a. Analyzed By: [Signature]             | b. QC By: [Signature] |
| c. Lab Batch #:                                                                                                                                                            |                                 | 25. Microscope Make/Serial #:           |                       |
| PINK - Lab                                                                                                                                                                 |                                 | YELLOW - Client/Report                  |                       |
| WHITE - File                                                                                                                                                               |                                 | GOLDENROD - Field                       |                       |
| NY-1 (1/01)                                                                                                                                                                |                                 |                                         |                       |





104 East 25th St., 10th Floor  
New York, New York 10010  
www.atc-enviro.com  
212.353.8280  
Fax 212.353.8306

September 18, 2002

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

Attn: Mr. Fred Burkhardt

Re: Report of TEM Analysis

Dear Mr. Burkhardt:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8841:

Client: D.E.P.  
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY  
Location: All Apartments  
Samples received: 09/16/02

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses may be found on the attached document.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki', written in a cursive style.

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

**ATC Associates**

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306



Attn: Fred Burkhardt

ATC Associates Inc.

104 East 25th Street

New York

NY 10010

Fax: (212) 353-3599

Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002

125 Cedar Street, New York, NY

Received: 9/16/02

8:00:00 AM

ATC Group #: 8841

Analysis Date: 9/18/02

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample        | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ |   | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>2</sup> ) (S/cc) |         | Notes                        |
|---------------|---------|------------------|------------|---------------------|--------------------------|---|-------------------------------------|----------------------------------------------------------|---------|------------------------------|
| 04<br>8841 -1 | 2430.00 |                  |            | Not Analyzed        |                          |   |                                     |                                                          |         | Overloaded with particulates |
| 05<br>8841 -2 | 2420.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0035                              | <22.24                                                   | <0.0035 |                              |
| 06<br>8841 -3 | 2410.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0036                              | <22.24                                                   | <0.0036 |                              |
| 07<br>8841 -4 | 2420.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0035                              | <22.24                                                   | <0.0035 |                              |
| 08<br>8841 -5 | 2420.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0035                              | <22.24                                                   | <0.0035 |                              |
| 09<br>8841 -6 | 2400.00 |                  |            | Not Analyzed        |                          |   |                                     |                                                          |         | Overloaded with particulates |
| 10<br>8841 -7 | 2400.00 | 0.0450           | 0          | CHRYSTOLE           | 2                        | 0 | 0.0036                              | 44.48                                                    | 0.0071  |                              |

ROMAN PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm<sup>2</sup>. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This reports relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis' accuracy and precision) is available upon request.

Accredited for NVLAP PLW/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 8:00:00 AM  
 ATC Group #: 8841  
 Analysis Date: 9/18/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|----------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|                |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm <sup>2</sup> )      | (S/cc)  |       |
| 11<br>8841 -8  | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 12<br>8841 -9  | 2400.00 | 0.0450           | 0          | CHRYSTILE           | 1            | 1  | 0.0036                              | 44.48                     | 0.0071  |       |
| 13<br>8841 -10 | 2410.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 14<br>8841 -11 | 2410.00 | 0.0450           | 0          | CHRYSTILE           | 3            | 0  | 0.0036                              | 66.73                     | 0.0107  |       |
| 15<br>8841 -12 | 2420.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0035                              | <22.24                    | <0.0035 |       |
| 16<br>8841 -13 | 2420.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0035                              | <22.24                    | <0.0035 |       |
| 17<br>8841 -14 | 2430.00 | 0.0450           | 0          | CHRYSTILE           | 1            | 0  | 0.0035                              | 22.24                     | 0.0035  |       |
| 18<br>8841 -15 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |
| 19<br>8841 -16 | 2400.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0036                              | <22.24                    | <0.0036 |       |

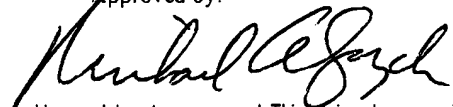
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Fred Burkhardt  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/16/02 8:00:00 AM  
 ATC Group #: 8841  
 Analysis Date: 9/18/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures<br>0.5µ-5 µ |   | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration<br>(S/mm <sup>3</sup> ) (S/cc) |                              | Notes |
|----------------|---------|------------------|------------|---------------------|--------------------------|---|-------------------------------------|----------------------------------------------------------|------------------------------|-------|
| 20<br>8841 -17 | 2390.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0 | 0.0036                              | 22.24                                                    | 0.0036                       |       |
| 21<br>8841 -18 | 2390.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 1 | 0.0036                              | 44.48                                                    | 0.0072                       |       |
| 22<br>8841 -19 | 2400.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0036                              | <22.24                                                   | <0.0036                      |       |
| 23<br>8841 -20 | 2410.00 | 0.0450           | 0          | CHRYSTILE           | 2                        | 0 | 0.0036                              | 44.48                                                    | 0.0071                       |       |
| 24<br>8841 -21 | 2000.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0043                              | <22.24                                                   | <0.0043                      |       |
| 25<br>8841 -22 | 2000.00 | 0.0450           | 0          | None Detected       | 0                        | 0 | 0.0043                              | <22.24                                                   | <0.0043                      |       |
| 26<br>8841 -23 | 2000.00 | Not Analyzed     |            |                     |                          |   |                                     |                                                          | Overloaded with particulates |       |
| 27<br>8841 -24 | 2000.00 | 0.0450           | 0          | CHRYSTILE           | 1                        | 0 | 0.0043                              | 22.24                                                    | 0.0043                       |       |
| 28<br>8841 -25 | 1990.00 | 0.0450           | 0          | CHRYSTILE           | 0                        | 1 | 0.0043                              | 22.24                                                    | 0.0043                       |       |

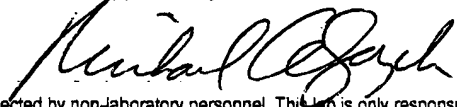
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

## PROJECT INFORMATION

1. Client: **DEP**

2. Project Name: **DEP clean-up**

3. Project # **15-22906-0002**

4. Project Monitor: **E. Lemanovich**

4c. Rotameter Number: **SD-90**

5. Date: **09.15.02**

6. Abatement Location: **All apartments**

7. ☐ PCM (0.8 micron MCE)

8. ☒ TEM (0.45 micron MCE)

9. Type: ☐ Abatement ☐ Background ☐ Post-Abate ☐ OSHA ☐ Environmental ☐ Ambient ☒ Other **clean-up**

10. Project Address: **125 Cedar St NY 10002**

11. Cassette/Filter Manufacture Lot # **916**

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          |            | 14. Flow Rate (L/min.) |          | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|---------------------|----------|-------------------------|----------|------------|------------------------|----------|-----------------------------|---------------------------------|----------------------|
|                        |                 | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 13c. Total | 14a. Start             | 14b. End |                             |                                 |                      |
| 01                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 02                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 03                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 04                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 05                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 06                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 07                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 08                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 09                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 10                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 11                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 12                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 13                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |
| 14                     |                 |                     |          |                         |          |            |                        |          |                             |                                 |                      |

## CHAIN OF CUSTODY

18. Relinquished By: **E. Lemanovich**

19. Received By: **JP**

20. Date: **9.15.02**

21. Time: **8am**

## LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: **ATC-DEP**

23. Date: **9/16/02**

24. Time: **11:00**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology

PCM - NIOSH 7400A

TEM - AHERA

26. ATC Project Manager: **F. Burkhardt**

27. Result To: **F. Burkhardt**

Beeper/Phone #'s

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1/01)



## PROJECT INFORMATION

8841

4c. Rotameter Number.

f. ☐ Environmental

|     |               |
|-----|---------------|
| 17. | Fiber Conc. F |
|-----|---------------|

2011

|  |  |
|--|--|
|  |  |
|  |  |

[illegible]

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[illegible]

|                |  |
|----------------|--|
| Make/Serial #: |  |
|----------------|--|

abophot 238913  
abophot 238917

abophot 239079

SH 7400A

NY-1 (1)



104 East 25th St., 10th  
New York, New York 10010  
www.atc-enviro.com  
212.353.8200  
Fax 212.353.8200

September 25, 2002

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

Attn: Mr. Ben Sallemi

Re: Report of TEM Analysis

Dear Mr. Sallemi:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8883:

Client: D.E.P.  
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY  
Location: Entire Building  
Samples received: 09/23/02

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses may be found on the attached document.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki', written over a horizontal line.

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

**ATC Associates**

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280

Fax: (212) 353-8306



Attn: Benjamin Sallemi

Received: 9/23/02

8:00:00 AM

ATC Associates Inc.

ATC Group #: 8883

104 East 25th Street

Analysis Date: 9/25/02

New York

NY 10010

Fax: (212) 353-3599

Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002

125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample       | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|--------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|              |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm²)                   | (S/cc)  |       |
| 4<br>8883 -1 | 1760.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0049                              | <22.24                    | <0.0049 |       |
| 5<br>8883 -2 | 1760.00 | 0.0450           | 0          | CHRYSTILE           | 0            | 2  | 0.0049                              | 44.48                     | 0.0097  |       |
| 6<br>8883 -3 | 1760.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0049                              | <22.24                    | <0.0049 |       |
| 7<br>8883 -4 | 1760.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0049                              | <22.24                    | <0.0049 |       |
| 8<br>8883 -5 | 1764.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0049                              | <22.24                    | <0.0049 |       |

MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879



# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page \_\_\_\_\_ of \_\_\_\_\_

## TURNAROUND TIME

☐ 2 hrs    ☐ 6 hrs    ☐ 48 hrs    ☐ Standard  
☐ 4 hrs    ☐ 24 hrs    ☐ 72 hrs    ☐ Other \_\_\_\_\_

### PROJECT INFORMATION

1. Client: DEP  
 2. Project Name: DEP Goldenrod  
 3. Project # 22906-22  
 4. Project Monitor: \_\_\_\_\_  
 5. Date: 9.22.02  
 6. Abatement Location: Entire  
 7. ☐ PCM (0.8 micron MCE)  
 8. ☐ TEM (0.45 micron MCE)  
 9. Type: \_\_\_\_\_  
 10. Project Address: 125 Gold St NY NY  
 11. Task # 02  
 12. Air Sampler: \_\_\_\_\_  
 13. Project Monitor: \_\_\_\_\_  
 14. Rotameter Number: \_\_\_\_\_

### DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          | 14. Flow Rate (L/min.) |          | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|---------------------|----------|-------------------------|----------|------------------------|----------|-----------------------------|---------------------------------|----------------------|
|                        |                 | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 14a. Start             | 14b. End |                             |                                 |                      |
| 1                      |                 |                     |          |                         |          |                        |          |                             |                                 |                      |
| 2                      |                 |                     |          |                         |          |                        |          |                             |                                 |                      |
| 3                      |                 |                     |          |                         |          |                        |          |                             |                                 |                      |
| 4                      | V               |                     |          | 1448                    | 2208     | 4                      | 4        | 1760                        |                                 |                      |
| 5                      | V               |                     |          | 1450                    | 2210     | 4                      | 4        | 1760                        |                                 |                      |
| 6                      | V               |                     |          | 1452                    | 2212     | 4                      | 4        | 1760                        |                                 |                      |
| 7                      | V               |                     |          | 1456                    | 2216     | 4                      | 4        | 1760                        |                                 |                      |
| 8                      | V               |                     |          | 1458                    | 2217     | 4                      | 4        | 1764                        |                                 |                      |

### CHAIN OF CUSTODY

18. Relinquished By: \_\_\_\_\_  
 19. Received By: \_\_\_\_\_  
 20. Date: 9/23/02  
 21. Time: 8:00  
 22. Lab Name: ATC  
 23. Date: 9/25/02  
 24. Time: 8:00  
 25. Microscope Make/Serial #: \_\_\_\_\_  
☐ Nikon Labophot 238913  
☐ Nikon Labophot 238917  
☐ Nikon Labophot 239079  
 Analysis Methodology: \_\_\_\_\_  
 PCM - NIOSH 7400A  
 TEM - AHERA

26. ATC Project Manager: B. Sellen  
 27. Result To: R. Sellen  
 Beeper/Phone #'s: \_\_\_\_\_

WHITE - File    YELLOW - Client/Report    GOLDENROD - Field

NY-1 (1/01)



104 East 25th St., 10th  
New York, New York 100  
www.atc-enviro.c  
212.353.82  
Fax 212.353.83

September 25, 2002

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

Attn: Mr. Ben Sallemi

Re: Report of TEM Analysis

Dear Mr. Sallemi:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8885:

Client: D.E.P.  
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY  
Location: Around Building  
Samples received: 09/23/02

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses may be found on the attached document.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki'.

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

**ATC Associates**

104 East 25 Street, New York, NY 10010

Phone: (212) 353-8280 Fax: (212) 353-8306

**Attn:** Benjamin Sallemi

ATC Associates Inc.

104 East 25th Street

New York NY 10010

**Fax:** (212) 353-3599**Phone:** (212) 353-8280**Received:** 9/23/02 4:00:00 PM**ATC Group #:** 8885**Analysis Date:** 9/25/02**Project:** DEP Clean-up Project #: 22906-0002

125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample        | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|---------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|               |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm <sup>2</sup> )      | (S/cc)  |       |
| 04<br>8885 -1 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 05<br>8885 -2 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 06<br>8885 -3 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 07<br>8885 -4 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 08<br>8885 -5 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 09<br>8885 -6 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 10<br>8885 -7 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |

MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm<sup>2</sup>. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This reports relates only to the samples reported above. Quality control data (including 95% confidence limits and laboratory and analysis' accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

Attn: Benjamin Sallemi  
 ATC Associates Inc.  
 104 East 25th Street  
 New York NY 10010

Received: 9/23/02 4:00:00 PM  
 ATC Group #: 8885  
 Analysis Date: 9/25/02

Fax: (212) 353-3599 Phone: (212) 353-8280

Project: DEP Clean-up Project #: 22906-0002  
 125 Cedar Street, New York, NY

**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed  
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

| Sample         | Volume  | Area<br>Analyzed | Non<br>Asb | Asbestos<br>Type(s) | # Structures |    | Analytical<br>Sensitivity<br>(S/cc) | Asbestos<br>Concentration |         | Notes |
|----------------|---------|------------------|------------|---------------------|--------------|----|-------------------------------------|---------------------------|---------|-------|
|                |         |                  |            |                     | 0.5µ-5       | 5µ |                                     | (S/mm <sup>2</sup> )      | (S/cc)  |       |
| 11<br>8885 -8  | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |
| 12<br>8885 -9  | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 1            | 0  | 0.0048                              | 22.24                     | 0.0048  |       |
| 13<br>8885 -10 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 1            | 1  | 0.0048                              | 44.48                     | 0.0095  |       |
| 14<br>8885 -11 | 1800.00 | 0.0450           | 0          | CHRYSTILE           | 1            | 0  | 0.0048                              | 22.24                     | 0.0048  |       |
| 15<br>8885 -12 | 1800.00 | 0.0450           | 0          | None Detected       | 0            | 0  | 0.0048                              | <22.24                    | <0.0048 |       |

MARK PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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# AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

8885 11/15  
2980-2994

## PROJECT INFORMATION

1. Client: **DEP**

2. Project Name: **DEP clean-up**

3. Project # **15-22306-0004**

4. Project Monitor: **E. Lemawovich**

4c. Rotameter Number: **SD-006**

5. Date: **9.23.02**

6. Abatement Location: **Around building**

7. ☐ PCM (0.8 micron MCE)

8. ☒ TEM (0.45 micron MCE)

9. Type: **MMF**

10. ☐ Abatement

11. ☐ Post-Abate

12. ☐ OSHA

13. ☐ Environmental

14. ☐ Ambient

15. ☒ Other **Cleaning**

## DAILY AIR SAMPLE RECORD

| 10. Sample I.D. Number | 11. Pump Number | 12. Sample Location |          | 13. Time (24 hrs clock) |          | 14. Flow Rate (L/min.) |            | 15. Total Air Vol. (liters) | 16. # Fibers/Fields Minus Blank | 17. Fiber Conc. F/CC |
|------------------------|-----------------|---------------------|----------|-------------------------|----------|------------------------|------------|-----------------------------|---------------------------------|----------------------|
|                        |                 | 12a. IWA            | 12b. OWA | 13a. Start              | 13b. End | 13c. Total             | 14a. Start | 14b. End                    | 14b. Avg                        |                      |
| 01                     |                 |                     |          |                         |          |                        |            |                             |                                 |                      |
| 02                     |                 |                     |          |                         |          |                        |            |                             |                                 |                      |
| 04                     |                 |                     |          | 06:30                   | 14:00    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 05                     |                 |                     |          | 06:31                   | 14:01    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 06                     |                 |                     |          | 06:32                   | 14:02    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 07                     |                 |                     |          | 06:33                   | 14:03    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 08                     |                 |                     |          | 06:40                   | 14:10    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 09                     |                 |                     |          | 06:41                   | 14:11    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 10                     |                 |                     |          | 06:42                   | 14:12    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 11                     |                 |                     |          | 06:43                   | 14:13    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 12                     |                 |                     |          | 06:44                   | 14:14    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 13                     |                 |                     |          | 06:50                   | 14:20    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 14                     |                 |                     |          | 06:52                   | 14:22    | 450                    | 4          | 4                           | 4                               | 1800                 |
| 15                     |                 |                     |          | 06:54                   | 14:24    | 450                    | 4          | 4                           | 4                               | 1800                 |

## CHAIN OF CUSTODY

18. Relinquished By: **E. Lemawovich**

19. Received By: **F. Burkhardt**

20. Date: **9.23.02**

21. Time: **16:00**

22. Lab Name: **DEP**

23. Date: **9/23/02**

24. Time: **10:50**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

26. ATC Project Manager: **F. Burkhardt**

27. Result To: **F. Burkhardt**

28. Comments: **+**

29. Analysis Methodology: **PCM - NIOSH 7400A**

30. **DEM - AFERA**



104 East 25th St., 10th Fl  
New York, New York 10010  
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212.353.8280  
Fax 212.353.8306

September 25, 2002

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

Attn: Mr. Ben Sallemi

Re: Report of TEM Analysis

Dear Mr. Sallemi:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 8892:

Client: D.E.P.  
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY  
Location: Entire Building  
Samples received: 09/25/02

These results will confirm and document the data transmitted today to your office. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1987) for clearance of abatement sites.

The results of the sample analyses may be found on the attached document.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki', written in a cursive style.

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