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

Received: 9/20/02 8:00:00 AM
ATC Group #: 8864
Analysis Date: 9/22/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
03 *8864 -1*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 *8864 -2*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 *8864 -3*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 *8864 -4*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 *8864 -5*	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/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 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

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

ATC ASSOCIATES INC.

Page 1 of 1

TURNAROUND TIME

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

8864 518 15 22806 2673-2680

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP Clean up	8002	C Johnson	C5001
	2a. Project Address: 128 Cedar St	3a. Task # 0002	4a. Air Sampler: — " —	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☑ TEM (0.45 micron MCE)	9. Type:
7-19-01	ENTIRE	Cassette/Filter Manufacture: ____ Lot #: ____	Cassette/Filter Manufacture: MMF Lot #: 916	a. ☐ Background b. ☐ Pre-Abate c. ☑ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02				Field Blank									
03				D/Low 2 Fl Clean Rm	1502	2232	4:30	04	4	4	Cyw		
04				D/Low 1 Fl Curtain	1503	2233	4:30	04	4	4	Cyw		
05				D/Low Store Clean Rm	1504	2234	4:30	04	4	4	Cyw		
06				Top of Scaffold East	1506	2236	4:30	04	4	4	Cyw		
07				Top of Scaffold West	1507	2237	4:30	04	4	4	Cyw		
08				Close Blank	←						1c		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	JH	7/20/01	8am
II			

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

22. Lab Name: ATC-TEM	23. Date:	24. Time:
a. Analyzed By: [illegible]	9/22/01	9:30
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: S Sullivan

27. Result To: S Sullivan
Beeper/Phone #'s: ____

28. Comments:

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

NY-1 (1/01)

ATC ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIAL PROFESSIONALS
104 East 25th Street • Tenth Floor
New York, NY 10010-2917
Phone (212) 353-8280 • FAX (212) 979-8447

LETTER OF TRANSMITTAL

To: NYCDEP
59-17 Junction Blvd.
Flushing, New York 11373-5103
Att: Penny Theodorellys

From: Benjamin M. Sallemi
Sr. Project Manager
Date: October 1, 2002
Re: 125 Cedar Street
Job No: 15.22906.0002
Copy: Files

We are sending you
___ Change order ___ Copy of letter
X Attached ___ Plans ___ Prints
___ Under separate cover via _____ the following items:
___ Samples ___ Shop drawings ___ Specifications
X Other Sampling Results

Copies	Date	Job No.	Description
1	9/26/02		TEM – Around Bldg.
1	9/26/02		TEM – Entire Bldg.
1	9/26/02		TEM – Entire Bldg.
1	9/27/02		TEM – Around Bldg.
1	9/27/02		TEM – Entire Bldg.
1	9/27/02		TEM – Entire Bldg.
1	9/28/02		TEM – Entire Bldg.
1	9/28/02		TEM – Entire Bldg.
1	9/28/02		TEM – Around Bldg.
1	9/29/02		TEM – Around Bldg.
1	9/29/02		TEM – Entire Bldg.
1	9/29/02		TEM – Entire Bldg.
1	9/30/02		TEM – Entire Bldg.
1	9/30/02		TEM – Entire Bldg.
1	9/30/02		TEM – Around Bldg.
1	10/1/02		TEM – Entire Bldg.
1	10/1/02		TEM – Around Bldg.
1	10/1/02		TEM – Entire Bldg.

These are transmitted as checked below:
___ Approved as submitted
___ Approved as noted
X As requested
___ For review and comment
___ For bids use
X For your use
___ Return for corrections
___ Other
___ Return
___ Resubmit
___ Submit
___ corrected prints
___ copies for approval
___ copies for distribution

Remarks: If you have questions or comments, please contact me at (212) 353-8280, ext. 295
Should you have any questions, please contact me at the above referenced telephone number.

Signed: Benjamin M. Sallemi

If enclosed are not as noted, kindly notify ATC at once (212) 353-8280.

ATC ASSOCIATES INC.

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

September 26, 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. 8894:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Around 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,

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

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

Received: 9/25/02 4:00:00 PM
ATC Group #: 8894
Analysis Date: 9/26/02

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 0.5µ-5	# Structures 5µ <	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
04 *8894 -1*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 *8894 -2*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 *8894 -3*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 *8894 -4*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 *8894 -5*	1800.00	0.0450	0	CHRYSOTILE	1	0	0.0048	22.24	0.0048	
09 *8894 -6*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 *8894 -7*	1800.00	0.0450	0	CHRYSOTILE	1	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/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 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
Fax: (212) 353-3599 **Phone:** (212) 353-8280

Received: 9/25/02 4:00:00 PM
ATC Group #: 8894
Analysis Date: 9/26/02

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 Analyzed*	*Non Asb*	*Asbestos Type(s)*	*# Structures 0.5μ-5*	*5μ*	*Analytical Sensitivity (S/cc)*	*Asbestos Concentration (S/mm²)*	*(S/cc)*	*Notes*
11 *8894 -8*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 *8894 -9*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
13 *8894 -10*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
14 *8894 -11*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
15 *8894 -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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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

ATC ASSOCIATES INC.

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

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

5.5.04 12/15 3055-3069

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP Clean-up	15-22906.0002		SD-006
	2a. Project Address: 125 Cedar St NY	3a. Task # 00002	4a. Air Sampler: E. Lemanovich	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☑ TEM (0.45 micron MCE)	9. Type:
9.25.2	Around building	Cassette/Filter Manufacture ____ Lot # ____	Cassette/Filter Manufacture MMI Lot # 916	a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☑ Other Cleaning

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02, 03				Field Blank									
04			V	In front of building	06:30	14:00	450	4	4	4	1800		
05			V	"	06:31	14:01	450	4	4	4	1800		
06			V	"	06:32	14:02	450	4	4	4	1800		
07			V	"	06:33	14:03	450	4	4	4	1800		
08			V	In back of building	06:40	14:10	450	4	4	4	1800		
09			V	"	06:41	14:11	450	4	4	4	1800		
10			V	"	06:42	14:12	450	4	4	4	1800		
11			V	"	06:43	14:13	450	4	4	4	1800		
12			V	"	06:44	14:14	450	4	4	4	1800		
13			V	Restaurant Clean room of decon	06:50	14:20	450	4	4	4	1800		
14			V	Hallway "	06:52	14:22	450	4	4	4	1800		
15			V	2nd Floor "	06:54	14:24	450	4	4	4	1800		

CHAIN OF CUSTODY

	18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	E. Lemanovich		9.25.2	
II		JK	9/25/02	16:00
III				

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By:	9/26	11:20
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: F. Burkhardt

27. Result To: F. Burkhardt
Beeper/Phone #'s ____

28. Comments:

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

NY-1 (1/01)

ATC ASSOCIATES INC.

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

September 26, 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. 8895:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/26/02

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,

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

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

Received: 9/26/02 8:00:00 AM
ATC Group #: 8895
Analysis Date: 9/26/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
03 *8895 -1*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 *8895 -2*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 *8895 -3*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 *8895 -4*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 *8895 -5*	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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Accredited for NVLAP PLM/TEM #101187-0, NY State ELAP #10879

VATC ASSOCIATES INC.

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

TURNAROUND TIME

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

PROJECT INFORMATION

XXXS 518 3010-3017 S 22906

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP CLEAN CAP	002	C JOHNSON	C5001
	2a. Project Address: 125 CEDAR ST	3a. Task # 002	4a. Air Sampler: — 4 —	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☒ TEM (0.45 micron MCE)	9. Type:	
7.25.01	ENTIRE	Cassette/Filter Manufacture: ____ Lot #: ____	Cassette/Filter Manufacture: MMF Lot #: 916	a. ☐ Background b. ☐ Pre-Abate	c. ☒ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02				Field Blank									
03			✓	2 FT D/CON CLEAN RM	1430	2200	450	04	4	4	1800		
04			✓	1 FT CONSTE CLEAN RM	1431	2201	450	04	4	4	1800		
05			✓	STONE D/CON CLEAN RM	1432	2202	450	04	4	4	1800		
06			✓	IN FRONT P BUILDING EAST	1434	2204	450	04	4	4	1800		
07			✓	IN FRONT P BUILDING WEST	1435	2205	450	04	4	4	1800		
08				CLOSE BLANK									

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I [signature]	JN	7/26/01	8am
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By: [signature]	9/26	18:00
b. OC 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: S Shilimi

27. Result To: S Shilimi.
Beeper/Phone #'s: ____

28. Comments:

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

NY-1 (1/01)

ATC ASSOCIATES INC.

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New York, New York 10010
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Fax 212.353.8306

September 26, 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. 8896:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/26/02

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.

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Please contact me regarding any questions relating to these materials.

Very truly yours,

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

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

Received: 9/26/02 8:00:00 AM
ATC Group #: 8896
Analysis Date: 9/26/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
1 8896 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8896 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8896 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8896 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
5 8896 -5	1804.00	0.0450	0	CHRYSOTILE	1	0	0.0047	22.24	0.0047	

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 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

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

ATC ASSOCIATES INC

Page _____ of _____

TURNAROUND TIME

[ ] 2 hrs [ ] 6 hrs [ ] 48 hrs [ ] Standard
[ ] 4 hrs [ ] 24 hrs [ ] 72 hrs [ ] Other _____

8896 518 3078-3055

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP clean up	22906		
	2a. Project Address: 135 Redwood Ave NY	3a. Task #	4a. Air Sampler:	

5. Date:	6. Abatement Location:	7. [ ] PCM (0.8 micron MCE)	8. [X] TEM (0.45 micron MCE)	9. Type:
9/25/02	Empire	Cassette/Filter Manufacture: X	Cassette/Filter Manufacture: MAT	a. [ ] Background b. [ ] Pre-Abate c. [ ] Abatement d. [ ] Post-Abate e. [ ] OSHA f. [ ] Environmental g. [ ] Ambient h. [X] Other effluent
		Lot #	Lot # 916	

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
B-1, B-2				Field Blank									
B-3				Field Blank Sealed Blank									
1			V	outside bldg, northside up the segfold	1430	2200	450	4	4	4	1800		
2			V	" " SW corner	1435	2005	450	4	4	4	1800		
3			V	" " SE corner	1437	2007	450	4	4	4	1800		
4			V	" " 10' off wall NW	1440	2010	450	4	4	4	1800		
5			V	" " 10' off wall NE	1443	2014	451	4	4	4	1804		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	JP	9/26/02	8am
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By:	9/26	13:30
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:	28. Comments:
B Sullivan	R Sullivan	
	Beeper/Phone #'s	

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

NY 1 (1/01)

ATC ASSOCIATES INC.

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

September 27, 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. 8898:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Around Building
Samples received: 09/26/02

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,

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

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

$398 10/13 3088-3100

PROJECT INFORMATION

1. Client:	2. Project Name:	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP Clean - up	15-22906-00002		SD-006
	2a. Project Address: 125 Cedar St. NY	3a. Task # 00002	4a. Air Sampler: E. Lomanovich	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☑ TEM (0.45 micron MCE)	9. Type:	
9.26.2	Around building	Cassette/Filter Manufacture:	Cassette/Filter Manufacture: MMI	a. ☐ Background	c. ☐ Abatement / f. ☐ Environmental
		Lot #:	Lot #: 916	b. ☐ Pre-Abate	d. ☐ Post-Abate / g. ☐ Ambient / e. ☐ OSHA / h. ☑ Other Cleaning

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location: 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock): 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.): 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02, 03				Field Blank									
04			V	In front of building	06:30	14:00	450	4	4	4	1800		
05			V	— " —	06:31	14:01	450	4	4	4	1800		
06			V	In back of building	06:40	14:10	450	4	4	4	1800		
07			V	— " —	06:41	14:11	450	4	4	4	1800		
08			V	— " —	06:42	14:12	450	4	4	4	1800		
09			V	— " —	06:43	14:13	450	4	4	4	1800		
10			V	— " —	06:44	14:14	450	4	4	4	1800		
11			V	Restaurant Clean room of decon	06:50	14:20	450	4	4	4	1800		
12			V	2nd Floor — " —	06:54	14:24	450	4	4	4	1800		
13			V	Hallway — " —	08:40	14:30	350	4	4	4	1400		

CHAIN OF CUSTODY

	18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	E Lomanovich		9.26.2	
II		JN	9/26/04	16:00
III				

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By:	9/27	10:30
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:	28. Comments:
B. Sallemi	B. Sallemi	
	Beeper/Phone #'s:	

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

NY-1 (1/01)

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

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

Received: 9/26/02 4:00:00 PM
ATC Group #: 8898
Analysis Date: 9/27/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
04 8898 -1	1800.00	0.0450	0	CHRYSOTILE	0	1	0.0048	22.24	0.0048	
05 8898 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 8898 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8898 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 8898 -5	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
09 8898 -6	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 8898 -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:

Attn: Benjamin Sallemi
ATC Associates Inc.
104 East 25th Street
New York NY 10010
Fax: (212) 353-3599 Phone: (212) 353-8280

Received: 9/26/02 4:00:00 PM
ATC Group #: 8898
Analysis Date: 9/27/02

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 Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5	# Structures 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
11 8898 -8	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 8898 -9	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
13 8898 -10	1400.00	0.0562	0	None Detected	0	0	0.0049	<17.79	<0.0049	

MARK PEYSAKHOV
Analyzed by:

MICHAEL A. GORYCKI, Ph.D
Approved by:

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

ATC ASSOCIATES INC.

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

September 27, 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. 8899:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/27/02

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,

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

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

Received: 9/27/02 8:00:00 AM
ATC Group #: 8899
Analysis Date: 9/27/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
1 8899 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8899 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8899 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8899 -4	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	
5 8899 -5	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	

MARK PEYSAKHOV
Analyzed by

MICHAEL A. GORYCKI, Ph.D
Approved by

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

ATC ASSOCIATES INC.

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

8899 5/8 3101-3108

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 Cleanup	3. Project #: 224062	4. Project Monitor:	4c. Rotameter Number: 50 005
	2a. Project Address: 125 Cedar St NY NY	3a. Task #: 02	4a. Air Sampler: [illegible]	
5. Date: 9/26/02	6. Abatement Location: Entire	7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture: X Lot #:	8. ☑ TEM (0.45 micron MCE) Cassette/Filter Manufacture: MNT Lot #: 9/6	9. Type: a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☒ Other [illegible]

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12a. IWA	12b. OWA	12c. Sample Coordinates	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. F/CC
B1, B2				Field Blank									
B3				Field Blank Sealed Blank									
1			✓	Outside bldg, North side up the scaffold	1430	2200	450	4	4	4	1800		
2			✓	" " S/W corner	1435	2205	450	4	4	4	1800		
3			✓	" " S/E corner	1437	2207	450	4	4	4	1800		
4			✓	" " 10' off wall N/W	1439	2210	451	4	4	4	1804		
5			✓	" " 10' off wall N/E	1442	2213	451	4	4	4	1804		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I [signature]	TD	9/27/02	8am
II			

26. ATC Project Manager: B. Sollecci

27. Result To: B. Sollecci

Beeper/Phone #'s ____

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

22. Lab Name: [illegible]	23. Date:	24. Time:
a. Analyzed By: [signature]	9/27	11:05
b. QC By:		
c. Lab Batch #:		

28. Comments:

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

Analysis Methodology
PCM - NIOSH 7400A
TEM - AHERA (circled)

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

NY 1 (1/01)

ATC ASSOCIATES INC.

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

September 27, 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. 8900:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/27/02

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,

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: 9/27/02 8:00:00 AM
ATC Group #: 8900
Analysis Date: 9/27/02

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 Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
03 *8900 -1*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 *8900 -2*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 *8900 -3*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 *8900 -4*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 *8900 -5*	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/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 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

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

ATC ASSOCIATES INC

8700 578 3109-3116 1522906

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

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
WEP	WEP CLEAN UP	002	C JOHNSON	C5001
	2a. Project Address: 125 CEDAR ST	3a. Task # 0002	4a. Air Sampler: — a —	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☒ TEM (0.45 micron MCE)	9. Type:
9-26 02	ENTIRE.	Cassette/Filter Manufacture:	Cassette/Filter Manufacture: MMF	a. ☐ Background b. ☐ Pre-Abate c. ☒ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☐ Other
		Lot #:	Lot #: 916	

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location: 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock): 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.): 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02				Field Blank									
03			/	2 FL D/CON CLEAN KM	1430	2200	430	04	4	4	1700		
04			/	1 FL WASTE CLEAN KM	1431	2201	430	04	4	4	1700		
05			/	BSMT STORE D/CON CLEAN KM	1432	2202	430	04	4	4	1800		
06			/	FRONT OF BUILDING EAST SIDE	1434	2204	430	04	4	4	1700		
07			/	FRONT OF BUILDING WEST SIDE	1435	2205	430	04	4	4	1700		
08				CLOSE BLANK									

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
	JR	9/27/02	8 am
I			
II			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By:	9/27	11:40
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: B Stallini

27. Result To: B Stallini
Beeper/Phone #'s

28. Comments:

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

NY 1 (1.01)

ATC ASSOCIATES INC.

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

September 28, 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. 8907:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/28/02

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,

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

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

Received: 9/28/02 8:00:00 AM
ATC Group #: 8907
Analysis Date: 9/28/02

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 0.5u-5	# Structures 5u	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
1 8907 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8907 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8907 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8907 -4	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	
5 8907 -5	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	

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 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

ATC ASSOCIATES INC

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page ______ of ______

8907 518 3172-3179

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 #: 220069	4. Project Monitor:	4c. Rotameter Number: SD 003
	2a. Project Address: 125 Cedar St NY NY	3a. Task #: 03	4a. Air Sampler: Yuri Akulinskiy	

5. Date: 9/27/01	6. Abatement Location: Entire	7. [X] PCM (0.8 micron MCE) Cassette/Filter Manufacture: X Lot #:	8. [✓] TEM (0.45 micron MCE) Cassette/Filter Manufacture: MFT Lot #: 916	9. Type: a. [ ] Background b. [ ] Pre-Abate c. [ ] Abatement d. [ ] Post-Abate e. [ ] OSHA f. [ ] Environmental g. [ ] Ambient h. [X] Other Cleanup

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12a. IWA	12b. OWA	12c. Sample Coordinates	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. F/CC
B1, B2				Field Blank									
B3				Field Blank Sealed Blank									
1			✓	outside bldg North side up the scafold	1430	2200	450	4	4	4	1800		
2			✓	" " S/W corner	1435	2205	450	4	4	4	1800		
3			✓	" " S/E corner	1438	2208	450	4	4	4	1800		
4			✓	" " 10' off wall N/W	1441	2241	451	4	4	4	1804		
5			✓	" " 10' off wall N/E	1443	2244	451	4	4	4	1804		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I [signature]	[signature]	9/28	8:00
II			
III			

26. ATC Project Manager: B. Sullivan

27. Result To: B. Sullivan

Beeper/Phone #'s ______

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

		23. Date:	24. Time:
22. Lab Name:	TEM		
a. Analyzed By:	[signature]	9/28	12:30
b. QC By:			
c. Lab Batch #:			

28. Comments:

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

Analysis Methodology
PCM - NIOSH 7400A
(TEM - AHERA) [circled]

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

NY-1 (1/01)

ATC ASSOCIATES INC.

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

September 28, 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. 8906:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/28/02

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,

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

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

Received: 9/28/02 8:00:00 AM
ATC Group #: 8906
Analysis Date: 9/28/02

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 0.5µ-5*	*5µ*	*Analytical Sensitivity (S/cc)*	*Asbestos Concentration (S/mm²)*	*(S/cc)*	*Notes*
03 *8906 -1*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 *8906 -2*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 *8906 -3*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 *8906 -4*	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	
07 *8906 -5*	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:

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

ATC ASSOCIATES INC

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

SEAS 518 3164-3171 1522206

Page 1 of 1

TURNAROUND TIME

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

PROJECT INFORMATION

1. Client:	2. Project Name:	3. Project #:	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP CLEAN UP	8002	C JOHNSON	CJ001
	2a. Project Address: 125 CEDAR ST	3a. Task #: 8002	4a. Air Sampler: —u—	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☒ TEM (0.45 micron MCE)	9. Type:	
9-27-02	ENTIRE	Cassette/Filter Manufacture:	Cassette/Filter Manufacture: MAF	a. ☐ Background	c. ☒ Abatement
		Lot #:	Lot #: 916	b. ☐ Pre-Abate	d. ☐ Post-Abate
				e. ☐ OSHA	f. ☐ Environmental
					g. ☐ Ambient
					h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location: 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock): 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.): 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02				Field Blank									
03			/	DOOR 2 FL CLEAN RM	1430	2200	450	04	4	4	1800		
04			/	1 FL WASTE CLEAN RM	1431	2201	450	04	4	4	1800		
05			/	STORE WASTE CLEAN RM	1434	2203	450	04	4	4	1800		
06			/	FRONT of BUILDING EAST SIDE	1434	2205	451	04	4	4	1804		
07			/	FRONT of BUILDING WEST SIDE	1435	2205	450	04	4	4	1800		
08				CLOSE BLANK									

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I CJ		9/26	
II			
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By:	9/26	16:00
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: B Stallard

27. Result To: B Stallard
Beeper/Phone #'s:

28. Comments:

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

NY-1 (1/01)

ATC ASSOCIATES INC.

104 East 25th St., 10t
New York, New York 1C
www.atc-enviro.c
212.353.8
Fax 212.353.8

September 28, 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. 8905:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Around Building
Samples received: 09/27/02

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,

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

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

Received: 9/27/02 4:00:00 PM
ATC Group #: 8905
Analysis Date: 9/28/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
04 8905 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8905 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 8905 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8905 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 8905 -5	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
09 8905 -6	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 8905 -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:

Attn: Benjamin Sallemi
ATC Associates Inc.
104 East 25th Street
New York NY 10010
Fax: (212) 353-3599 Phone: (212) 353-8280

Received: 9/27/02 4:00:00 PM
ATC Group #: 8905
Analysis Date: 9/28/02

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 Analyzed	Non Asb	Asbestos Type(s)	# Structures 0.5µ-5	# Structures 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
11 8905 -8	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 8905 -9	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:

VATC ASSOCIATES INC

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

$905 9/12 3152-3163

TURNAROUND TIME

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

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP clean-up	15-22306-0002		S.D-006
	2a. Project Address: 125 Cedar St NY	3a. Task # 00002	4a. Air Sampler: E. Lemanovich	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☑ TEM (0.45 micron MCE)	9. Type:
9.27.2	Around building	Cassette/Filter Manufacture: ____ Lot #: ____	Cassette/Filter Manufacture: MMI Lot #: 916	a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☑ Other Cleaning

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a IWA	12b OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02.03				Field Blank									
04			✓	In front of building	06:30	14:00	450	4	4	4	1800		
05			✓	"	06:31	14:01	450	4	4	4	1800		
06			✓	In back of building	06:40	14:10	450	4	4	4	1800		
07			✓	"	06:41	14:11	450	4	4	4	1800		
08			✓	"	06:42	14:12	450	4	4	4	1800		
09			✓	"	06:43	14:13	450	4	4	4	1800		
10			✓	"	06:44	14:14	450	4	4	4	1800		
11			✓	Hallway Clean room of deco	06:50	14:20	450	4	4	4	1800		
12			✓	2nd floor. "	06:54	14:24	450	4	4	4	1800		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I E Lemanovich		9.27.2	
II	JP	9/27/02	16:00
III			

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

22. Lab Name:	23. Date:	24. Time:
a. Analyzed By:	9/28	11:00
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: B. Sabbagh

27. Result To: B. Sabbagh
Beeper/Phone #'s:

28. Comments:

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

NY 1 (1/04)

ATC ASSOCIATES INC.

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

September 29, 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. 8913:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Around Building
Samples received: 09/28/02

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,

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: 9/28/02 4:00:00 PM
ATC Group #: 8913
Analysis Date: 9/29/02

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 Analyzed	Non Ash	Asbestos Type(s)	# Structures 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
04 8913 -1	1200.00	0.0674	0	None Detected	0	0	0.0048	<14.83	<0.0048	
05 8913 -2	1200.00	0.0674	0	None Detected	0	0	0.0048	<14.83	<0.0048	
06 8913 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8913 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 8913 -5	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
09 8913 -6	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 8913 -7	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:

VATC ASSOCIATES INC

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

8913 10/13 3246-3258

TURNAROUND TIME

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

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP Clean-up	15-22906-0002		SD-006
	2a. Project Address: 125 Cedar St. NY	3a. Task # 00002	4a. Air Sampler: E. Lemanovich	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☑ TEM (0.45 micron MCE)	9. Type:
9.28.2	Around building	Cassette/Filter Manufacture:	Cassette/Filter Manufacture: MMF	a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☑ Other Cleaning
		Lot #	Lot # 916	

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location: 12a IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock): 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.): 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02, 03				Field Blank									
04			✓	In front of building	06:30	11:30	300	4	4	4	1200		
05			✓	— " —	06:31	11:31	300	4	4	4	1200		
06			✓	In back of building	06:40	14:10	450	4	4	4	1800		
07			✓	— " —	06:41	14:11	450	4	4	4	1800		
08			✓	— " —	06:42	14:12	450	4	4	4	1800		
09			✓	— " —	06:43	14:13	450	4	4	4	1800		
10			✓	— " —	06:44	14:14	450	4	4	4	1800		
11			✓	Restaurant Cleanroom of decon	06:50	14:20	450	4	4	4	1800		
12			✓	Hallway — " —	06:52	14:22	450	4	4	4	1800		
13			✓	2nd Floor — " —	06:54	14:24	450	4	4	4	1800		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I E Lemanovich		9.28.2	16:00
II			
III			

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

22. Lab Name: ATC-TEM	23. Date:	24. Time:
a. Analyzed By: R Ruiz	9/29/02	13:50
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:	28. Comments:
B. Salbemi	B. Salbemi	
	Beeper/Phone #'s:	

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

Attn: Benjamin Sallemi
ATC Associates Inc.
104 East 25th Street
New York NY 10010
Fax: (212) 353-3599 Phone: (212) 353-8280

Received: 9/28/02 4:00:00 PM
ATC Group #: 8913
Analysis Date: 9/29/02

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 Analyzed*	*Non Asb*	*Asbestos Type(s)*	*# Structures 0.5µ-5*	*5µ*	*Analytical Sensitivity (S/cc)*	*Asbestos Concentration (S/mm²)*	*(S/cc)*	*Notes*
11 8913 -8	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 8913 -9	1800.00	0.0450	0	CHRYSOTILE	0	1	0.0048	22.24	0.0048	
13 8913 -10	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:

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

ATC ASSOCIATES INC.

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

September 29, 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. 8911:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/27/02

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 <u>full accreditation</u> 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,

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

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

Received: 9/27/02 11:00:00 PM
ATC Group #: 8911
Analysis Date: 9/29/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
1 8911 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8911 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8911 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8911 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
5 8911 -5	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	

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/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 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

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

911 5/8 3230-3237

Page _____ of _____

TURNAROUND TIME

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

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP Cleanup	3806		SD 005
	2a. Project Address: 125 Cedar St NYC	3a. Task # 02	4a. Air Sampler: MC Mus Sales	

5. Date:	6. Abatement Location:	7. ☒ PCM (0.8 micron MCE)	8. ☐ TEM (0.45 micron MCE)	9. Type:	
9/24	Office	Cassette/Filter Manufacture MIDI	Cassette/Filter Manufacture ZEFON	a. ☐ Background	c. ☐ Abatement
		Lot #	Lot # 916	b. ☐ Pre-Abate	d. ☐ Post-Abate
				e. ☐ OSHA	f. ☐ Environmental
					g. ☐ Ambient
					h. ☒ Other Clean

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
12				Field Blank									
13				Field Blank Sealed Blank									
1				outside bldg North side w/ the scaffold	1430	2200	450	4	4	4	1800		
2				" " SW corner	1435	2205	450	4	4	4	1800		
3				" " SE corner	1438	2208	450	4	4	4	1800		
4				10' off wall NW	1441	2211	450	4	4	4	1800		
5				10' off wall NE	1444	2215	451	4	4	4	1804		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	Athos	09/27/02	2300
II			
III			

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

22. Lab Name: ATC-TEM	23. Date:	24. Time:
a. Analyzed By: RDay	9/29/02	9:15
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: R Sullivan

27. Result To: S Lee

Beeper/Phone #'s _____

28. Comments:

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

NY-1 (1/01)

ATC ASSOCIATES INC.

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

September 30, 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. 8916:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/30/02

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,

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: 9/30/02 8:00:00 AM
ATC Group #: 8916
Analysis Date: 9/30/02

Project: DEP Clean-up ATC 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 0.5µ-5	# Structures 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
1 8916 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8916 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8916 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8916 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
5 8916 -5	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/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 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

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:	2. Project Name: 9/11 518 3280-3282	3. Project #: 22406-c	4. Project Monitor:	4c. Rotameter Number:
DCP	2a. Project Address: 125 Cedar St NY NY	3a. Task #: 03	4a. Air Sampler: [illegible]	S.D. 0005

5. Date:	6. Abatement Location:	7. ☒ PCM (0.8 micron MCE)	8. ☐ TEM (0.45 micron MCE)	9. Type:
9/30/02	5th Flr	Cassette/Filter Manufacture: X Lot #:	Cassette/Filter Manufacture: AMT Lot #: 916	a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☒ Other Clean

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location: 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock): 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.): 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
B1 B2				Field Blank									
B3				Field Blank Sealed Blank									
1			✓	outside bldg Northside up the scaffold	1450	2200	450	4	4	4	1800		
2			✓	" " NW corner	1435	2205	450	4	4	4	1800		
3			✓	" " SE corners	1438	2208	450	4	4	4	1800		
4			✓	" " 10' OFF wall NW	1441	2211	450	4	4	4	1800		
5			✓	" " 10' OFF wall NE	1444	2214	450	4	4	4	1800		

CHAIN OF CUSTODY

	18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I	[signature]	FT	9/30/02	8 pm
II				
III				

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

22. Lab Name: ATC-TEM	23. Date:	24. Time:
a. Analyzed By: RRuy	9/30/02	11:30
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:	28. Comments:
B Sullivan	B Sullivan Beeper/Phone #'s	

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

NY-1 (1.01)

ATC ASSOCIATES INC.

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

September 30, 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. 8915:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/30/02

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,

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: 9/30/02 8:00:00 AM
ATC Group #: 8915
Analysis Date: 9/30/02

Project: DEP Clean-up ATC 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 0.5µ-5	# Structures 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
03 *8915 -1*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 *8915 -2*	1800.00	0.0450	0	CHRYSOTILE	1	0	0.0048	22.24	0.0048	
05 *8915 -3*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 *8915 -4*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 *8915 -5*	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:

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

ATC ASSOCIATES INC

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

TURNAROUND TIME

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

9/11 518 3272-3279 152306

PROJECT INFORMATION

1. Client:	2. Project Name:	3. Project #:	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP CLEAN UP	0001	C Johnson	CJ001
	2a. Project Address: 75 CEDAR ST	3a. Task #: 0001	4a. Air Sampler: Johnson	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☑ TEM (0.45 micron MCE)	9. Type:	
9-24-02	CHAMBER	Cassette/Filter Manufacture:	Cassette/Filter Manufacture: MMF	a. ☐ Background	c. ☑ Abatement
		Lot #:	Lot #: 910	b. ☐ Pre-Abate	d. ☐ Post-Abate
				e. ☐ OSHA	f. ☐ Environmental
					g. ☐ Ambient
					h. ☐ Other

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02				Field Blank									
03			✓	D/ LOW CLEAN KM & FL	1430	2200	430	04	4	4	1760		
04			✓	WASTE 1 FL ELEVATOR	1433	2201	432	04	4	4	1760		
05			✓	D/ LOW WASTE STORE	1432	2204	432	04	4	4	1760		
06			✓	FRONT OUT SIDE WEST	1434	2204	432	04	4	4	1760		
07			✓	FRONT OUT SIDE EAST	1436	2206	432	04	4	4	1760		
08				CLOSE BLANK									

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I [signature]	[signature]	9/30/02	8:00
II			
III			

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

22. Lab Name: ATC-TEM	23. Date:	24. Time:
a. Analyzed By: RRUY	9/30/02	11:30
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: S Spallina

27. Result To: S Spallina
Beeper/Phone #'s:

28. Comments:

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

NY-1 (1/01)

ATC ASSOCIATES INC.

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

September 30, 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. 8914:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Around Building
Samples received: 09/30/02

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,

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

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

Received: 9/30/02 8:00:00 AM
ATC Group #: 8914
Analysis Date: 9/30/02

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 0.5µ-5	# Structures 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
04 8914 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8914 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 8914 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8914 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 8914 -5	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
09 8914 -6	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 8914 -7	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/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 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
Fax: (212) 353-3599 Phone: (212) 353-8280

Received: 9/30/02 8:00:00 AM
ATC Group #: 8914
Analysis Date: 9/30/02

Project: DEP Clean-up ATC 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 0.5μ-5*	*5μ*	*Analytical Sensitivity (S/cc)*	*Asbestos Concentration (S/mm²)*	*(S/cc)*	*Notes*
11 *8914 -8*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 *8914 -9*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
13 *8914 -10*	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:

ATC ASSOCIATES INC.

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

TURNAROUND TIME

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

8914 10/13 3259-3271

PROJECT INFORMATION

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP Clean-up	15-22906-0002		SD-006
	2a. Project Address: 125 Cedar St. NY	3a. Task # 00002	4a. Air Sampler: E. Lemanovich	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☑ TEM (0.45 micron MCE)	9. Type:
9.29.2	Around building	Cassette/Filter Manufacture: _____ Lot #: _____	Cassette/Filter Manufacture: MMF Lot #: 916	a. ☐ Background b. ☐ Pre-Abate c. ☐ Abatement d. ☐ Post-Abate e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☑ Other cleaning

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a IWA	12b OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol. (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F/CC
01				Field Blank									
02, 03				Field Blank									
04			V	In front of building	06:30	14:00	450	4	4	4	1800		
05			V	" "	06:31	14:01	450	4	4	4	1800		
06			V	In back of building	06:40	14:10	450	4	4	4	1800		
07			V	" "	06:41	14:11	450	4	4	4	1800		
08			V	" "	06:42	14:12	450	4	4	4	1800		
09			V	" "	06:43	14:13	450	4	4	4	1800		
10			V	" "	06:44	14:14	450	4	4	4	1800		
11			V	Restaurant Clean room of decon	06:50	14:20	450	4	4	4	1800		
12			V	Hallway " "	06:52	14:22	450	4	4	4	1800		
13			V	2nd Floor " "	06:54	14:24	450						

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
E Lemanovich		9.29.2	
II	JE	9/30/02	8:00a
III			

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

22. Lab Name: ATC - TEM	23. Date:	24. Time:
a. Analyzed By: RPelz	9/30/02	11:30
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:	28. Comments:
B. Salleni	B. Salleni	
	Beeper/Phone #'s:	

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

NY-1 (1/01)

ATC ASSOCIATES INC.

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

October 1, 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. 8919:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 10/01/02

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,

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

ATC ASSOCIATES INC.

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

TURNAROUND TIME

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

ROJECT INFORMATION 8919 5/8 3308-3315 152906

1. Client:	2. Project Name	3. Project #	4. Project Monitor:	4c. Rotameter Number:
DEP	DEP CLEAN UP	0002	C JOHNSON	CJ006
	2a. Project Address: 125 CEDAR ST	3a. Task # 0002	4a. Air Sampler: — " —	

5. Date:	6. Abatement Location:	7. ☐ PCM (0.8 micron MCE)	8. ☐ TEM (0.45 micron MCE)	9. Type:	
10/30/02	LOWER	Cassette/Filter Manufacture:	Cassette/Filter Manufacture:	a. ☐ Background	c. ☒ Abatement
		Lot #:	Lot #:	b. ☐ Pre-Abate	d. ☐ Post-Abate
				e. ☐ OSHA	f. ☐ Environmental
					g. ☐ Ambient
					h. ☐ Other

AILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12. Sample Location 12a. IWA	12b. OWA	12c. Sample Coordinates	13. Time (24 hrs clock) 13a. Start	13b. End	13c. Total	14. Flow Rate (L/min.) 14a. Start	14b. End	14b. Avg	15. Total Air Vol (liters)	16. # Fibers/Fields Minus Blank	17. Fiber Conc. F CC
01				Field Blank									
02				Field Blank									
03			✓	D/CON 2ND ELEVATOR	1430	2200	450	04	4	4	1800		
04			✓	D/CON STORE WHITE	1431	2201	450	04	4	4	1800		
05			✓	D/CON STORE PERSONNEL	1432	2202	450	04	4	4	1800		
06			✓	FRONT OF BUILDING EAST SIDE	1435	2205	450	04	4	4	1800		
07			✓	FRONT OF BUILDING WEST SIDE	1436	2206	450	04	4	4	1800		
08				CLOSE BLANK									

HAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
	JL	10/31/02	8am
I			
II			

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

22. Lab Name: TEA	23. Date:	24. Time:
a. Analyzed By:	10/31	10:45
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. Results To:	28. Comments:
B SALIMI	B SALIMI	
	Beeper/Phone #'s:	

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

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

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

Received: 10/1/02 8:00:00 AM
ATC Group #: 8919
Analysis Date: 10/1/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
03 *8919 -1*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 *8919 -2*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 *8919 -3*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 *8919 -4*	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 *8919 -5*	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:

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

ATC ASSOCIATES INC.

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

October 1, 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. 8920:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 10/01/02

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,

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

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

Received: 10/1/02 8:00:00 AM
ATC Group #: 8920
Analysis Date: 10/1/02

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 0.5μ-5	# Structures 5μ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm²)	Asbestos Concentration (S/cc)	Notes
1 8920 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8920 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8920 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8920 -4	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	
5 8920 -5	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	

MARK PEYSAKHOV
Analyzed by:

MICHAEL A. GORYCKI, Ph.D.
Approved by:

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

ATC ASSOCIATES INC.

AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

8920 5/8 3316-3323

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 Cleanup	3. Project #: 29906-02	4. Project Monitor:
	2a. Project Address: 175 Cedar St NY NY	3a. Task #: 02	4a. Air Sampler: Vince Kucinskas
			4c. Rotameter Number: SD 008

5. Date: 1300	6. Abatement Location: Online	7. [X] PCM (0.8 micron MCE) Cassette/Filter Manufacture X Lot # ____	8. [ ] TEM (0.45 micron MCE) Cassette/Filter Manufacture MAL Lot # ____	9. Type: a. [ ] Background b. [ ] Pre-Abate c. [ ] Abatement d. [ ] Post-Abate e. [ ] OSHA f. [ ] Environmental g. [ ] Ambient h. [X] Other Cleanup

DAILY AIR SAMPLE RECORD

10. Sample I.D. Number	11. Pump Number	12a. IWA	12b. OWA	12c. Sample Coordinates	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. F/CC
B1/B2				Field Blank									
B3				Field Blank									
1			✓	outside bldg north side up the scaffold	1430	2200	450	4	4	4	1800		
2			✓	" " S/W corner	1435	2205	450	4	4	4	1800		
3			✓	" " S/E corner	1436	2208	450	4	4	4	1800		
4			✓	" " 10' off wall N/W	1441	2212	451	4	4	4	1804		
5			✓	" " 10' off wall N/E	1444	2215	451	4	4	4	1804		

CHAIN OF CUSTODY

18. Relinquished By:	19. Received By:	20. Date:	21. Time:
I [signature]	JK	10/01/02	8am
II			
III			

26. ATC Project Manager: B. Sullivan

27. Result To: B. Sullivan

Beeper/Phone #'s ____

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

22. Lab Name: EMLab	23. Date:	24. Time:
a. Analyzed By: [signature]	10/1	10:50
b. QC By:		
c. Lab Batch #:		

28. Comments:

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

Analysis Methodology
PCM - NIOSH 7400A
TEM - AHERA (circled)

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