

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

Received: 9/25/02 8:00:00 AM
 ATC Group #: 8892
 Analysis Date: 9/25/02

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

Project:

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
03 8892 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 8892 -2	1800.00	0.0450	0	CHRYSTILE	0	1	0.0048	22.24	0.0048	
05 8892 -3	1800.00	0.0450	0	CHRYSTILE	2	1	0.0048	66.73	0.0143	
06 8892 -4	1890.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	
07 8892 -5	1890.00	0.0450	0	None Detected	0	0	0.0045	<22.24	<0.0045	

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

PROJECT INFORMATION

1. Client: DLP
2. Project Name: PCP CLEANUP
3. Project # 0002
4. Project Monitor: C Johnson
5. Date: 8-24-02
6. Abatement Location: ENTIRE
7. ☐ PCM (0.8 micron MCE)
8. ☒ TEM (0.45 micron MCE)
9. Type: MMF
10. ☐ Background
11. ☐ Pre-Abate
12. ☐ OSHA
13. ☐ Environmental
14. ☐ Ambient
15. ☐ Other
16. Rotameter Number: CS001

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				27h 12/cod			1430	2200	420	04	4	1800	
04				Clean way									
				17h 12/cod									
				Clean way			1431	2201	450	04	4	1800	
				Stone Clean									
05				run 12/cod			1432	2202	450	04	4	1800	
				Front of									
06				Building East			1733	2203	270	07	7	1890	
				Front of Building									
07				East side			1734	2204	270	07	7	1890	
				Close									
08				Blank									

CHAIN OF CUSTODY

18. Relinquished By: [Signature]
19. Received By: [Signature]
20. Date: 8/25/02
21. Time: 8:00

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

22. Lab Name: ATC
23. Date: 8-25-02
24. Time: 18:00
25. Microscope Make/Serial #: Nikon Labophot 238913
26. ATC Project Manager: [Signature]
27. Result to: [Signature]
28. Comments: [Blank]



104 East 25th St., 10th Fl
New York, New York 10010
www.atc-enviro.com
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. 8891:

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'.

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: 9/25/02

8:00:00 AM

ATC Group #: 8891

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 Analyzed	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm²)	(S/cc)	
1 8891 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8891 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8891 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8891 -4	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	
5 8891 -5	1808.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	

MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

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Accredited for NVLAP PLM/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 Plan 4.0	3. Project #: 3031-3038	4. Project Monitor: SD-003
5. Date: 9/24/02	6. Abatement Location: Entire	7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #	8. ☐ JEM (0.45 micron MCE) Cassette/Filter Manufacture Lot #
	9. Type: a. ☐ Background b. ☐ Pre-Abate	c. ☐ Abatement d. ☐ Post-Abate	e. ☐ OSHA f. ☐ Environmental g. ☐ Ambient h. ☒ Other

DAILY AIR SAMPLE RECORD

10. Sample ID 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			
B-132											
B-3											
1				1430	2200	450	4	4	4	800	
2				1435	2205	450	4	4	4	800	
3				1437	2207	450	4	4	4	800	
4				1439	2210	451	4	4	4	804	
5				1442	2214	452	4	4	4	808	

CHAIN OF CUSTODY

18. Relinquished By: I. J.	19. Received By: JR	20. Date: 9/25/02	21. Time: 8:00
II			
III			
26. ATC Project Manager: B. Sullivan	27. Result To: B. Sullivan	28. Comments:	29. Result To: B. Sullivan

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

22. Lab Name: DEP	23. Date: 9/25/02	24. Time: 13:40
a. Analyzed By: DEP		
b. QC By:		
c. Lab Batch #:		
25. Microscope Make/Serial #: ☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079		
Analysis Methodology: PCM - NIOSH 7400A PCN - APTERA		

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field



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September 25, 2002

ATC Associates Inc.
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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. 8890:

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,

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

Received: 9/25/02 8:00:00 AM
 ATC Group #: 8890
 Analysis Date: 9/25/02

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

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

**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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ³)	(S/cc)	
04 8890 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8890 -2	1800.00	0.0450	0	CHRYSTILE	0	1	0.0048	22.24	0.0048	
06 8890 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8890 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 8890 -5	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
09 8890 -6	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 8890 -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:

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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: 9/25/02 8:00:00 AM
 ATC Group #: 8890
 Analysis Date: 9/25/02

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

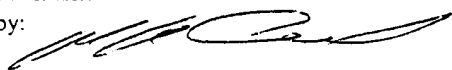
Project: DEP Clean-up Project #: 22906-0002

**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 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²)	(S/cc)	Notes
11 8890 -8	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048
12 8890 -9	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048
13 8890 -10	1800.00	0.0450	0	CHRYSTILE	0	1	0.0048	22.24	0.0048
14 8890 -11	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048
15 8890 -12	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048

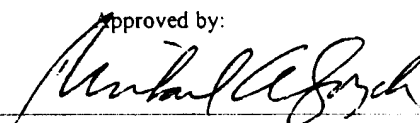
MARK PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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Accredited for NVLAP PLWTEM #101187-0, NY State ELAP #10879



AIR MONITORING DATA

AND

CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: **ATC**

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

3. Project # **1522306-0008**

4. Project Monitor: **E. Lemnovich**

5. Date: **9.24.2**

6. Abatement Location: **Around building**

7. ☐ PCM (0.8 micron MCE)

8. ☒ TEM (0.45 micron MCE)

9. Type: **PM1**

10. Date: **9.24.2**

11. Pump Number: **242**

12. Sample Location: **Field Blank**

13. Time (24 hrs clock): **14:00**

14. Flow Rate (L/min.): **4**

15. Total Air Vol. (liters): **1800**

16. # Fibers/Fields Minus Blank: **4**

17. Fiber Conc. F/CC: **4**

18. Relinquished By: **E. Lemnovich**

19. Received By: **F. Burckhardt**

20. Date: **9.24.2**

21. Time: **9:24.2**

22. Lab Name: **ATC**

23. Date: **9/25/08**

24. Time: **11:50**

25. Microscope Make/Serial #: **Nikon Labophot 238913**

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

27. Result To: **F. Burckhardt**

28. Comments: **1**

29. Lab Batch #: **916**

30. Lab Batch #: **916**

31. Lab Batch #: **916**

32. Lab Batch #: **916**

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93. Lab Batch #: **916**

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97. Lab Batch #: **916**

98. Lab Batch #: **916**

99. Lab Batch #: **916**

100. Lab Batch #: **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
01		Field Blank	06:30	4	450	4	4
02		Field Blank	06:31	4	450	4	4
03		Field Blank	06:32	4	450	4	4
04		Field Blank	06:33	4	450	4	4
05		Field Blank	06:34	4	450	4	4
06		Field Blank	06:35	4	450	4	4
07		Field Blank	06:36	4	450	4	4
08		Field Blank	06:37	4	450	4	4
09		Field Blank	06:38	4	450	4	4
10		Field Blank	06:39	4	450	4	4
11		Field Blank	06:40	4	450	4	4
12		Field Blank	06:41	4	450	4	4
13		Field Blank	06:42	4	450	4	4
14		Field Blank	06:43	4	450	4	4
15		Field Blank	06:44	4	450	4	4
16		Field Blank	06:45	4	450	4	4
17		Field Blank	06:46	4	450	4	4
18		Field Blank	06:47	4	450	4	4
19		Field Blank	06:48	4	450	4	4
20		Field Blank	06:49	4	450	4	4
21		Field Blank	06:50	4	450	4	4
22		Field Blank	06:51	4	450	4	4
23		Field Blank	06:52	4	450	4	4
24		Field Blank	06:53	4	450	4	4
25		Field Blank	06:54	4	450	4	4
26		Field Blank	06:55	4	450	4	4
27		Field Blank	06:56	4	450	4	4
28		Field Blank	06:57	4	450	4	4
29		Field Blank	06:58	4	450	4	4
30		Field Blank	06:59	4	450	4	4
31		Field Blank	07:00	4	450	4	4
32		Field Blank	07:01	4	450	4	4
33		Field Blank	07:02	4	450	4	4
34		Field Blank	07:03	4	450	4	4
35		Field Blank	07:04	4	450	4	4
36		Field Blank	07:05	4	450	4	4
37		Field Blank	07:06	4	450	4	4
38		Field Blank	07:07	4	450	4	4
39		Field Blank	07:08	4	450	4	4
40		Field Blank	07:09	4	450	4	4
41		Field Blank	07:10	4	450	4	4
42		Field Blank	07:11	4	450	4	4
43		Field Blank	07:12	4	450	4	4
44		Field Blank	07:13	4	450	4	4
45		Field Blank	07:14	4	450	4	4
46		Field Blank	07:15	4	450	4	4
47		Field Blank	07:16	4	450	4	4
48		Field Blank	07:17	4	450	4	4
49		Field Blank	07:18	4	450	4	4
50		Field Blank	07:19	4	450	4	4
51		Field Blank	07:20	4	450	4	4
52		Field Blank	07:21	4	450	4	4
53		Field Blank	07:22	4	450	4	4
54		Field Blank	07:23	4	450	4	4
55		Field Blank	07:24	4	450	4	4
56		Field Blank	07:25	4	450	4	4
57		Field Blank	07:26	4	450	4	4
58		Field Blank	07:27	4	450	4	4
59		Field Blank	07:28	4	450	4	4
60		Field Blank	07:29	4	450	4	4
61		Field Blank	07:30	4	450	4	4
62		Field Blank	07:31	4	450	4	4
63		Field Blank	07:32	4	450	4	4
64		Field Blank	07:33	4	450	4	4
65		Field Blank	07:34	4	450	4	4
66		Field Blank	07:35	4	450	4	4
67		Field Blank	07:36	4	450	4	4
68		Field Blank	07:37	4	450	4	4
69		Field Blank	07:38	4	450	4	4
70		Field Blank	07:39	4	450	4	4
71		Field Blank	07:40	4	450	4	4
72		Field Blank	07:41	4	450	4	4
73		Field Blank	07:42	4	450	4	4
74		Field Blank	07:43	4	450	4	4
75		Field Blank	07:44	4	450	4	4
76		Field Blank	07:45	4	450	4	4
77		Field Blank	07:46	4	450	4	4
78		Field Blank	07:47	4	450	4	4
79		Field Blank	07:48	4	450	4	4
80		Field Blank	07:49	4	450	4	4
81		Field Blank	07:50	4	450	4	4
82		Field Blank	07:51	4	450	4	4
83		Field Blank	07:52	4	450	4	4
84		Field Blank	07:53	4	450	4	4
85		Field Blank	07:54	4	450	4	4
86		Field Blank	07:55	4	450	4	4
87		Field Blank	07:56	4	450	4	4
88		Field Blank	07:57	4	450	4	4
89		Field Blank	07:58	4	450	4	4
90		Field Blank	07:59	4	450	4	4
91		Field Blank	08:00	4	450	4	4
92		Field Blank	08:01	4	450	4	4
93		Field Blank	08:02	4	450	4	4
94		Field Blank	08:03	4	450	4	4
95		Field Blank	08:04	4	450	4	4
96		Field Blank	08:05	4	450	4	4
97		Field Blank	08:06	4	450	4	4
98		Field Blank	08:07	4	450	4	4
99		Field Blank	08:08	4	450	4	4
100		Field Blank	08:09	4	450	4	4

CHAIN OF CUSTODY

18. Relinquished By: **E. Lemnovich**

19. Received By: **F. Burckhardt**

20. Date: **9.24.2**

21. Time: **9:24.2**

22. Lab Name: **ATC**

23. Date: **9/25/08**

24. Time: **11:50**

25. Microscope Make/Serial #: **Nikon Labophot 238913**

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

27. Result To: **F. Burckhardt**

28. Comments: **1**

29. Lab Batch #: **916**

30. Lab Batch #: **916**

31. Lab Batch #: **916**

32. Lab Batch #: **916**

33. Lab Batch #: **916**

34. Lab Batch #: **916**

35. Lab Batch #: **916**

36. Lab Batch #: **916**

37. Lab Batch #: **916**

38. Lab Batch #: **916**

39. Lab Batch #: **916**

40. Lab Batch #: **916**

41. Lab Batch #: **916**

42. Lab Batch #: **916**

43. Lab Batch #: **916**

44. Lab Batch #: **916**

45. Lab Batch #: **916**

46. Lab Batch #: **916**

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48. Lab Batch #: **916**

49. Lab Batch #: **916**

50. Lab Batch #: **916**

51. Lab Batch #: **916**

52. Lab Batch #: **916**

53. Lab Batch #: **916**

54. Lab Batch #: **916**

55. Lab Batch #: **916**

56. Lab Batch #: **916**

57. Lab Batch #: **916**

58. Lab Batch #: **916**

59. Lab Batch #: **916**

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63. Lab Batch #: **916**

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73. Lab Batch #: **916**

74. Lab Batch #: **916**

75. Lab Batch #: **916**

76. Lab Batch #: **916**

77. Lab Batch #: **916**

78. Lab Batch #: **916**

79. Lab Batch #: **916**

80. Lab Batch #: **916**

81. Lab Batch #: **916**

82. Lab Batch #: **916**

83. Lab Batch #: **916**

84. Lab Batch #: **916**

85. Lab Batch #: **916**

86. Lab Batch #: **916**

87. Lab Batch #: **916**

88. Lab Batch #: **916**

89. Lab Batch #: **916**

90. Lab Batch #: **916**

91. Lab Batch #: **916**

92. Lab Batch #: **916**

93. Lab Batch #: **916**

94. Lab Batch #: **916**

95. Lab Batch #: **916**

96. Lab Batch #: **916**

97. Lab Batch #: **916**

98. Lab Batch #: **916**

99. Lab Batch #: **916**

100. Lab Batch #: **916**



104 East 25th St., 10th Fl
New York, New York 10010
www.atc-enviro.com
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. 8888:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/24/02

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: 9/24/02

8:00:00 AM

ATC Group #: 8888

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 Analyzed	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
1 8888 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
2 8888 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
3 8888 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
4 8888 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
5 8888 -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

PROJECT INFORMATION

1. Client: DET

2. Project Name: DET clean up

3. Project #/Date: 92306-02

4. Project Monitor: ATC Associates Inc.

5. Date: 9/23/02

6. Abatement Location: Entrance

7. ☒ PCM (0.8 micron MCE) ☐ TEM (0.45 micron MCE)

8. ☒ PCM (0.8 micron MCE) ☐ TEM (0.45 micron MCE)

9. Type: Abatement

10. ☐ Background ☐ Post-Abate ☐ OSHA

11. ☐ Abatement ☐ Post-Abate ☐ OSHA

12. ☐ Environmental ☐ Ambient ☒ Other Chlorine

13. Project Address: 25 Bedford St

14. Project Number: SD-0003

Page 1 of 1

TURNAROUND TIME

☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard

☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ 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	12c. Sample Coordinates	13a. Start	13b. End	13c. Total	14a. Start	14b. End			
B-1, 13-2				Field Blank								
13-3				Field Blank Sealed Blank								
1			✓	outside the bag north of up the scaffolding	1430	2300	450	4	4	4	1800	
2			✓	" "	1435	2305	450	4	4	4	1800	
3			✓	S/E corner	1437	2307	450	4	4	4	1800	
4			✓	" "	1440	2300	450	4	4	4	1800	
5			✓	10'0" off wall N/E	1442	2312	451	4	4	4	1804	

CHAIN OF CUSTODY

18. Relinquished By: III

19. Received By: II

20. Date: 9/24/02

21. Time: 8:00

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

22. Lab Name: ATC-TEM

23. Date: 9/23/02

24. Time: 10:00

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology

PCM - NIOSH 7400A

TEM - AHERA

ATC Project Manager:

26. ATC Project Manager: B. Sollen

27. Result To: B. Sollen

Beeper/Phone #s: _____

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field

NY-1 (1.01)



104 East 25th St., 10th Fl
New York, New York 10010
www.atc-enviro.com
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. 8887:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/24/02

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: 9/24/02

8:00:00 AM

ATC Group #: 8887

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 Analyzed	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity	Asbestos Concentration		Notes
					0.5µ-5	5µ	(S/cc)	(S/mm ²)	(S/cc)	
03 8887 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 8887 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8887 -3	1800.00	0.0450	0	CHRYSTILE	1	0	0.0048	22.24	0.0048	
06 8887 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8887 -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



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

September 24, 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. 8872:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/21/02

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

Received: 9/21/02 3:00:00 AM
 ATC Group #: 8872
 Analysis Date: 9/24/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm²)	(S/cc)	
03 8872 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 8872 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8872 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 8872 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8872 -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 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: **Der**
 2. Project Name: **Der Cleanup**
 2a. Project Address: **125 CLEVER ST**
 3. Project # **0002**
 3a. Task # **0002**
 4. Project Monitor: **C Johnson**
 4c. Rotameter Number: **00001**
 5. Date: **1-20-02**
 6. Abatement Location: **ENTIRE**
 7. ☐ PCM (0.8 micron MCE)
 8. ☒ PCM (0.45 micron MCE)
 Cassette/Filter Manufacturer: **MHI**
 Lot # **916**

Page **1** of **1**
 TURNAROUND TIME
☐ 2 hrs ☐ 6 hrs ☐ 48 hrs ☐ Standard
☐ 4 hrs ☐ 24 hrs ☐ 72 hrs ☐ 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			
01												
02												
03				1520	2230	450	04	04	4	1800		
04				1521	2231	450	04	04	4	1800		
05				1502	2232	450	04	04	4	1800		
06				1504	2234	450	04	04	4	1800		
07				1505	2235	450	04	04	4	1800		
08												

CHAIN OF CUSTODY

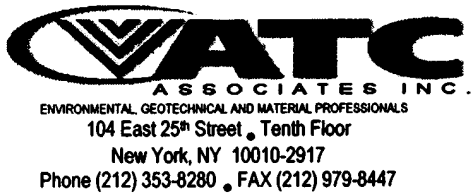
18. Relinquished By: **[Signature]**
 19. Received By: **[Signature]**
 20. Date: **1/20/02**
 21. Time: **10:30**
 26. ATC Project Manager: **S Sullivan**
 27. Result To: **B Sullivan**
 Beeper/Phone #s: _____

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

22. Lab Name: **ATC**
 a. Analyzed By: **[Signature]**
 b. QC By: _____
 c. Lab Batch #: _____
 23. Date: **1/20/02**
 24. Time: **10:30**
 25. Microscope Make/Serial #: _____
☐ 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



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: September 25, 2002

Re: 125 Cedar Street

Job No: 15.22906.0002

Copy: Files

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

Copies	Date	Job No.	Description
1	9/21/02		Copies of project monitoring logs for Saturday, 9/21/02.
1	9/25/02		TEM - Entire Bldg.
1	9/25/02		TEM - Around Bldg.
1	9/25/02		TEM - Entire Bldg.
1	9/25/02		TEM - Entire Bldg.
1	9/25/02		TEM - Around Bldg.
1	9/25/02		TEM - Entire Bldg.
1	9/25/02		TEM - Entire Bldg.
1	9/24/02		TEM - Around Bldg.
1	9/24/02		TEM - Entire Bldg.
1	9/24/02		TEM - Around Bldg.
1	9/24/02		TEM - Entire Bldg.
1	9/24/02		TEM - Entire Bldg.
1	9/24/02		TEM - Entire Bldg.
1	9/24/02		TEM - Entire Bldg.
1	9/23/02		TEM - Entire Bldg.
1	9/20/02		TEM - Various Sites
1	9/20/02		TEM - Outside Bldg.
1	9/20/02		TEM - Around Bldg.

These are transmitted as checked below:

☐ Approved as submitted ☐ For bids use ☐ Return ☐ corrected prints
☐ Approved as noted ☒ For your use ☐ Resubmit ☐ copies for approval
☒ As requested ☐ Return for corrections ☐ Submit ☐ copies for distribution
☐ For review and comment ☐ Other _____

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.



LETTER OF TRANSMITTAL

To: NYCDEP

59-17 Junction Blvd.
Flushing, New York 11373-5103

Att: Penny Theodorells

From: Benjamin M. Sallemi
Sr. Project Manager

Date: September 19, 2002

Re: 125 Cedar Street

Job No: 15.22906.0002

Copy: Files

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

Copies	Date	Job No	Description
1	9/16/02		Lead dust wipe sampling results
1	9/19/02		TEM - 1 st floor to penthouse
1	9/19/02		TEM - Front of ramp
1	9/19/02		TEM - Around Bldg.
1	9/19/02		TEM - Outside of Bldg.

These are transmitted as checked below:

☐ Approved as submitted ☐ For bids use ☐ Return ☐ corrected prints
☐ Approved as noted ☒ For your use ☐ Resubmit ☐ copies for approval
☒ As requested ☐ Return for corrections ☐ Submit ☐ copies for distribution
☐ For review and comment ☐ Other _____

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



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

September 24, 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. 8879:

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: Fred Burkhardt

ATC Associates Inc.

104 East 25th Street

New York

NY 10010

Fax: (212) 353-3599

Phone: (212) 353-8280

Received: 9/23/02

8:00:00 AM

ATC Group #: 8879

Analysis Date: 9/24/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
04 8879 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8879 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 8879 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8879 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 8879 -5	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
09 8879 -6	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 8879 -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: Fred Burkhardt
 ATC Associates Inc.
 104 East 25th Street
 New York NY 10010

Received: 9/23/02 8:00:00 AM
 ATC Group #: 8879
 Analysis Date: 9/24/02

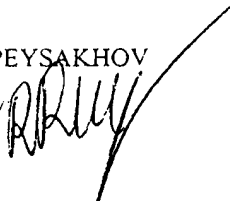
Fax: (212) 353-3599 Phone: (212) 353-8280

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

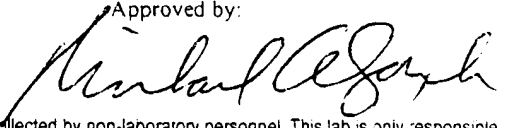
**Asbestos Fiber Analysis by Transmission Electron Microscopy (TEM) Performed
 by EPA 40 CFR Part 763 Final Rule (AHERA)**

Sample	Volume	Area Analyzed	Non Asb	Asbestos Type(s)	# Structures		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
11 8879 -8	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 8879 -9	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
13 8879 -10	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
14 8879 -11	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
15 8879 -12	1800.00	0.0450	0	CHRYSTILE	1	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 PLWTEM #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 # **15-22906-0002**

4 Project Monitor: **E. Lemamovich**

5 Date: **9.29.09**

6 Abatement Location: **Around building**

7 ☐ PCM (0.8 micron MCE)

8 ☒ TEM (0.45 micron MCE)

9. Type: **316**

10. Date: **9.29.09**

11. Project Address: **125 Cedar St.**

12. Task # **00002**

13. Air Sampler: **E. Lemamovich**

14. Rotameter Number: **SD-006**

15. Abatement: ☐ Abatement ☐ Environmental

16. Background: ☐ Background ☐ Ambient

17. Pre-Abate: ☐ Pre-Abate ☒ 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			
01											
02, 03											
04											
05											
06											
07											
08											
09											
10											
11											
12											
13											
14											
15											

CHAIN OF CUSTODY

18. Relinquished By: **E. Lemamovich**

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

20. Date: **9/29/09**

21. Time: **10:00**

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

23. Date: **9/29/09**

24. Time: **10:00**

25. Microscope Make/Serial #: **Nikon Labophot 238913**

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

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

28. Comments: **1**

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

25. Microscope Make/Serial #: **Nikon Labophot 238913**

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

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

28. Comments: **1**

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

30. TEM/AFM

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field



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

September 24, 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. 8880:

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 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: 9/23/02 8:00:00 AM
 ATC Group #: 8880
 Analysis Date: 9/24/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
03 8880 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 8880 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8880 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 8880 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8880 -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

PROJECT INFORMATION

1. Client: **DLP**

2. Project Name: **DLP cleanup**

3. Project # **0012**

4. Project Monitor: **C. Johnson**

4c. Rotameter Number: **C5601**

5. Date: **8-21-02**

6. Abatement Location: **Curtain**

7. ☐ PCM (0.8 micron MCE)

8. ☒ TEM (0.45 micron MCE)

9. Type: **Abatement**

9a. ☐ Background

9b. ☐ Post-Abate

9c. ☒ Pre-Abate

9d. ☐ Environmental

9e. ☐ Ambient

9f. ☐ Other

10. Date: **8-21-02**

11. Date: **8-21-02**

12. Date: **8-21-02**

13. Date: **8-21-02**

14. Date: **8-21-02**

15. Date: **8-21-02**

16. Date: **8-21-02**

17. Date: **8-21-02**

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	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
		12b. OWA									
		Field Blank									
		Field Blank									
01		2 ft D/cor	1431	2200	450	4	4	4	1800		
02		Curtain Ray									
03		1 ft D/cor	1432	2204	450	4	4	4	1800		
04		Curtain Ray									
05		Store 1/cor	1433	2203	450	4	4	4	1800		
06		Curtain Ray									
07		Top of Scaffold	1435	2205	450	4	4	4	1800		
08		Top of Scaffold									
		Curtain Ray	1436	2206	450	4	4	4	1800		
		Close									
		Blank									

CHAIN OF CUSTODY

18. Relinquished By: **C. Johnson**

19. Received By: **J. Johnson**

20. Date: **8-21-02**

21. Time: **8:00**

22. Lab Name: **ATC**

23. Date: **8-21-02**

24. Time: **11:00**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

26. ATC Project Manager: **B. Johnson**

27. Result To: **Beeper/Phone #s**

28. Comments: **Blank**

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

30. TEM - AHERA



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

September 24, 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. 8881:

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 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: 9/23/08 8:00:00 AM
 ATC Group #: 8881
 Analysis Date: 9/24/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
01 8881 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
02 8881 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
03 8881 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
04 8881 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8881 -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 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 PLWTEM #101187-0 NY State ELAP #10879



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: **DCP**

2. Project Name: **DCP clem 14**

3. Project # **229602**

4. Project Monitor: **1m**

5. Date: **9-21-02**

6. Abatement Location: **OUTLINE**

7. ☒ PCM (0.8 micron MCE)

8. ☒ TEM (0.45 micron MCE)

9. Type: **none**

10. Project Address: **301602**

11. Task # **002**

12. Air Sampler: **416**

13. Rotameter Number: **SD 003**

14. Abatement: ☐ Environmental

15. Post-Abate: ☐ Ambient

16. Pre-Abate: ☒ Other **clean**

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
301602		Field Blank					
303		Field Blank					
01		North side cup scaffold	14302208410	4	4680		
02		10' inside corner	14352208410	4	4180		
03		107 corner	14372208410	4	4180		
04		10' Bldg. corner w/	14382208410	4	4180		
05		10' of w/ w/ w/	14392208410	4	4180		

CHAIN OF CUSTODY

18. Relinquished By: **IC**

19. Received By: **IC**

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

21. Time: **8:00**

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

23. Date: **9/25/02**

24. Time: **11:30**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

Analysis Methodology:

PCM - NIOSH 7400A

TEM - AHERA

26. ATC Project Manager: **Ben Graham**

27. Result To: **Ben Graham**

28. Comments:

WHITE - File

PINK - Lab

GOLDENROD - Field



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

September 24, 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. 8882:

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 cursive script, 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

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

Received: 9/23/02 8:00:00 AM
 ATC Group #: 8882
 Analysis Date: 9/24/02

**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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
01 8882 -1	1760.00	0.0450	0	None Detected	0	0	0.0049	<22.24	<0.0049	
02 8882 -2	1760.00	0.0450	0	None Detected	0	0	0.0049	<22.24	<0.0049	
03 8882 -3	1760.00	0.0450	0	None Detected	0	0	0.0049	<22.24	<0.0049	
04 8882 -4	1760.00	0.0450	0	None Detected	0	0	0.0049	<22.24	<0.0049	
05 8882 -5	1760.00	0.0450	0	None Detected	0	0	0.0049	<22.24	<0.0049	

MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

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

8882 578 CHAIN OF CUSTODY FORM 2925-2932

1. Client: ADP	2. Project Name: DEP Clean up	3. Project # 2925-2932	4. Project Monitor: WATC	5. Date: 9.22.02	6. Abatement Location: Enclave	7. PCM (0.8 micron MCE) Cassette/Filter Manufacture: X	8. TEM (0.45 micron MCE) Cassette/Filter Manufacture: WATC	9. Type: WATC	10. Air Sampler: WATC	11. Project # 2925-2932	12. Project Monitor: WATC	13. Project # 2925-2932	14. Project Monitor: WATC	15. Project # 2925-2932	16. Project Monitor: WATC	17. Project # 2925-2932	18. Project Monitor: WATC	19. Project # 2925-2932	20. Project Monitor: WATC	21. Project # 2925-2932	22. Project Monitor: WATC	23. Project # 2925-2932	24. Project Monitor: WATC	25. Project # 2925-2932	26. Project Monitor: WATC	27. Project # 2925-2932	28. Project Monitor: WATC	29. Project # 2925-2932	30. Project Monitor: WATC	31. Project # 2925-2932	32. Project Monitor: WATC	33. Project # 2925-2932	34. Project Monitor: WATC	35. Project # 2925-2932	36. Project Monitor: WATC	37. Project # 2925-2932	38. Project Monitor: WATC	39. Project # 2925-2932	40. Project Monitor: WATC	41. Project # 2925-2932	42. Project Monitor: WATC	43. Project # 2925-2932	44. Project Monitor: WATC	45. Project # 2925-2932	46. Project Monitor: WATC	47. Project # 2925-2932	48. Project Monitor: WATC	49. Project # 2925-2932	50. Project Monitor: WATC	51. Project # 2925-2932	52. Project Monitor: WATC	53. Project # 2925-2932	54. Project Monitor: WATC	55. Project # 2925-2932	56. Project Monitor: WATC	57. Project # 2925-2932	58. Project Monitor: WATC	59. Project # 2925-2932	60. Project Monitor: WATC	61. Project # 2925-2932	62. Project Monitor: WATC	63. Project # 2925-2932	64. Project Monitor: WATC	65. Project # 2925-2932	66. Project Monitor: WATC	67. Project # 2925-2932	68. Project Monitor: WATC	69. Project # 2925-2932	70. Project Monitor: WATC	71. Project # 2925-2932	72. Project Monitor: WATC	73. Project # 2925-2932	74. Project Monitor: WATC	75. Project # 2925-2932	76. Project Monitor: WATC	77. Project # 2925-2932	78. Project Monitor: WATC	79. Project # 2925-2932	80. Project Monitor: WATC	81. Project # 2925-2932	82. Project Monitor: WATC	83. Project # 2925-2932	84. Project Monitor: WATC	85. Project # 2925-2932	86. Project Monitor: WATC	87. Project # 2925-2932	88. Project Monitor: WATC	89. Project # 2925-2932	90. Project Monitor: WATC	91. Project # 2925-2932	92. Project Monitor: WATC	93. Project # 2925-2932	94. Project Monitor: WATC	95. Project # 2925-2932	96. Project Monitor: WATC	97. Project # 2925-2932	98. Project Monitor: WATC	99. Project # 2925-2932	100. Project Monitor: WATC
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DAILY AIR SAMPLE RECORD

10. Sample ID, Pump 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
13-1, B-2		Field Blank					
13-3		Field Blank					
01		Outside blue North side up the street	1430	440	4	1760	
02		11' SW corner	1433	440	4	1760	
03		11' SW corner	1436	440	4	1760	
04		11' SW corner	1438	440	4	1760	
05		11' SW corner	1440	440	4	1760	

CHAIN OF CUSTODY

18. Relinquished By: B. Sullivan	19. Received By: B. Sullivan	20. Date: 9/23/02	21. Time: 8:00
22. Lab Name: WATC	23. Date: 9/23	24. Time: 12:00	25. Microscope Make/Serial #: PCM - NIOSH 7400A
26. ATC Project Manager: B. Sullivan	27. Result To: B. Sullivan	28. Comments: WATC	29. Analysis Methodology: PCM - NIOSH 7400A

WHITE - File

YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

NY-1 (1/01)



104 East 25th St., 10th I
New York, New York 1001
www.atc-enviro.cor
212.353.828
Fax 212.353.83C

September 23, 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. 8871:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Entire Building
Samples received: 09/21/02

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: 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: 9/21/02

3:00:00 AM

ATC Group #: 8871

Analysis Date: 9/23/02

**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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
01 8871 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
02 8871 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
03 8871 -3	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	
04 8871 -4	1804.00	0.0450	0	None Detected	0	0	0.0047	<22.24	<0.0047	
05 8871 -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 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: **DEF**

2. Project Name: **DEF**

2a. Project Address: **DEF**

3. Project # **2893-2850**

3a. Task # **02**

3b. Air Sample: **SD-002**

4. Project Monitor: **SD-002**

5. Date: **9.20.02**

6. Abatement Location: **Engine**

7. ☒ PCM (0.8 micron MCE)
Cassette/Filter Manufacture Lot # **916**

8. ☐ TEM (0.45 micron MCE)
Cassette/Filter Manufacture Lot # **916**

9. Type: **Abatement**

9a. ☐ Background

9b. ☐ Pre-Abate

9c. ☐ Abatement

9d. ☐ Post-Abate

9e. ☐ OSHA

9f. ☐ Environmental

9g. ☐ Ambient

9h. ☒ Other **Abatement**

4c. Rotameter Number: **SD-002**

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. FCC
		12a. TWA	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End		
B1, B2										
B3										
01										
02										
03										
04										
05										

CHAIN OF CUSTODY

18. Relinquished By: **[Signature]**

19. Received By: **[Signature]**

20. Date: **9/20**

21. Time: **3:00**

22. Lab Name: **DEF**

23. Date: **9/23**

24. Time: **11:30**

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

26. ATC Project Manager: **B. Saperstein**

27. Result To: **B. Saperstein**

28. Comments: **1**

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

25. Microscope Make/Serial #:

☐ Nikon Labophot 238913

☐ Nikon Labophot 238917

☐ Nikon Labophot 239079

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

28. Comments: **1**

WHITE - File YELLOW - Client/Report

PINK - Lab GOLDENROD - Field



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

September 20, 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. 8853:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Various Sites
Samples received: 09/18/02

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: 9/18/02 8:00:00 AM

ATC Group #: 8853

Analysis Date: 9/20/02

**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 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²) (S/cc)	Notes
03 8853 -1	2100.00	0.0450	0	None Detected	0	0	0.0041 <22.24 <0.0041	
04 8853 -2	2100.00	0.0450	0	None Detected	0	0	0.0041 <22.24 <0.0041	
05 8853 -3	2105.00	0.0450	0	None Detected	0	0	0.0041 <22.24 <0.0041	
06 8853 -4	2100.00	0.0450	0	CHRYSTOTILE	1	0	0.0041 22.24 0.0041	
07 8853 -5	2105.00	0.0450	0	None Detected	0	0	0.0041 <22.24 <0.0041	

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 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

Client: **DCP** 8853 5/8 2592-2599 1522806
 2. Project Name: **DCP Clean up** 3. Project # **5002** 4. Project Monitor: **C Johnson** 4c. Rotameter Number: **05001**
 2a. Project Address: **725 CEDAR ST** 3a. Task # **0002** 4a. Air Sampler: **---**
 6. Abatement Location: **7-1702** 7. ☒ PCM (0.8 micron MCE) ☐ TEM (0.45 micron MCE) 8. ☒ PCM (0.45 micron MCE) ☐ TEM (0.45 micron MCE) 9. Type: ☒ Abatement ☐ Background ☐ Post-Abate ☐ Pre-Abate ☐ OSHA ☐ Environmental ☐ Ambient ☐ 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/C
		12a. IWA	12b. OWA	13a. Start	13b. End	13c. Total	14a. Start	14b. End	14b. Avg			
01			Field Blank									
02			Field Blank									
03			Top of Ramp East	1630	2230	410	5	5	5	2100		
04			Top of Ramp West	1530	2230	410	5	5	5	2100		
05			Top of Ramp Center	1532	2233	411	5	5	5	2105		
06			1st Arch East	1635	2235	420	5	5	5	2100		
07			2nd Arch West	1536	2237	421	5	5	5	2105		
08			Close to Gate									

CHAIN OF CUSTODY

8. Relinquished By: **JD** 9/18/02 8am 19. Received By: **ATC-DE M** 23. Date: **9/18/02** 24. Time: **10:50**
 27. Result To: **Beper/Phone #'s**
 28. Comments: **ATC-DE M**

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

25. Microscope Make/Serial #: **Nikon Labophot 238913**
 26. Analysis Methodology: **PCM - NIOSH 7400A**
 27. TEM - AHERA



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

September 20, 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. 8854:

Client: D.E.P.

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

Location: Outside Building

Samples received: 09/18/02

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: Fred Burkhardt

ATC Associates Inc.

104 East 25th Street

New York

NY 10010

Fax: (212) 353-3599

Phone: (212) 353-8280

Received: 9/18/02

8:00:00 AM

ATC Group #: 8854

Analysis Date: 9/20/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
01 8854 -1	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
02 8854 -2	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
03 8854 -3	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
04 8854 -4	2305.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
05 8854 -5	2305.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	

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 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

Page 1 of 1

TURNAROUND TIME

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

PROJECT INFORMATION

Client: **DEP** 2. Project Name: **PEP clean up** 3. Project # **12906-02** 4. Project Monitor: **James Disbrow** 4c. Rotameter Number: **SD-005**

Date: **1.17.02** 6. Abatement Location: **Entire** 7. ☒ PCM (0.8 micron MCE) 8. ☒ TEM (0.45 micron MCE) 9. Type: **MMT** 9a. ☐ Background 9b. ☐ Pre-Abate 9c. ☐ Abatement 9d. ☐ Post-Abate 9e. ☐ OSHA 9f. ☐ Environmental 9g. ☐ Ambient 9h. ☒ Other **Color**

2a. Project Address: **185 Cedar st / 127** 3a. Task # **02** 14. Flow Rate (L/min.) 14a. Start 14b. End 14c. Total 15. Total Air Vol. (liters) 16. # Fibers/Fields Minus Blank 17. Fiber Conc. F/CC

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	14c. Total			
01	✓											
02	✓											
03	✓											
04	✓											
05	✓											

CHAIN OF CUSTODY

1. Released By: **[Signature]** 19. Received By: **AD** 20. Date: **9/18/02** 21. Time: **8am**

2. **[Signature]** 27. Result To: **F. Berthard** 28. Comments: **Beeper/Phone #s**

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

22. Lab Name: **ATC-TECH** 23. Date: **9/20/02** 24. Time: **10:50**

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

25. Microscope Make/Serial #: ☐ 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 Fl
New York, New York 10010
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212.353.8280
Fax 212.353.8306

September 20, 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. 8859:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Around Building
Samples received: 09/18/02

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: 9/18/02

4:00:00 PM

ATC Group #: 8859

Analysis Date: 9/20/02

**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		Analytical Sensitivity	Asbestos Concentration		Notes
					0.5µ-5	5µ	(S/cc)	(S/mm ²)	(S/cc)	
04 8859 -1	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
05 8859 -2	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
06 8859 -3	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
07 8859 -4	2357.50	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
08 8859 -5	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
09 8859 -6	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
10 8859 -7	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	

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 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

Fax: (212) 353-3599

Phone: (212) 353-8280

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

125 Cedar Street, New York, NY

Received: 9/18/02

4:00:00 PM

ATC Group #: 8859

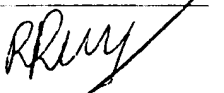
Analysis Date: 9/20/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm²)	(S/cc)	
11 8859 -8	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
12 8859 -9	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
13 8859 -10	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
14 8859 -11	2300.00	0.0450	0	None Detected	0	0	0.0037	<22.24	<0.0037	
15 8859 -12	1680.00	0.0562	0	CHRYSTILE	0	1	0.0041	17.79	0.0041	
16 8859 -13	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
17 8859 -14	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
18 8859 -15	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
19 8859 -16	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	

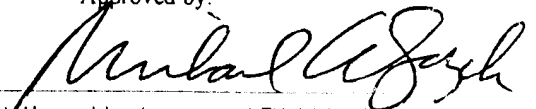
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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 PLMTEM #101187-0, NY State ELAP #10879

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

Received: 9/18/02 4:00:00 PM
 ATC Group #: 8859
 Analysis Date: 9/20/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
20 8859 -17	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
21 8859 -18	2500.00	0.0450	0	None Detected	0	0	0.0034	<22.24	<0.0034	
22 8859 -19	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
23 8859 -20	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
24 8859 -21	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
25 8859 -22	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
26 8859 -23	2400.00	0.0450	0	None Detected	0	0	0.0036	<22.24	<0.0036	
27 8859 -24	2400.00	0.0450	0	CHRYSTILE	1	0	0.0036	22.24	0.0036	

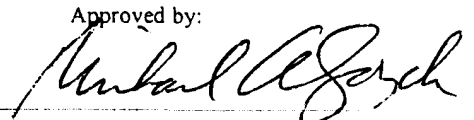
ROMAN PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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 PLWTEM #101187-0, NY State ELAP #10879



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of 3

PROJECT INFORMATION

1. Client: DEP	2. Project Name: DEP Clean-up	3. Project # 15-22506-0002	4. Project Monitor: E. Lemanovich	4c. Rotameter Number: SD-006
5. Date: 9/18/2	2a. Project Address: 125 Cedar St.	3a. Task # 20002	4a. Air Sampler: E. Lemanovich	
	6. Abatement Location: Around building	7. ☒ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #	9. Type: 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		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											
04				06:20	10:10	230	10	10	10	2300	
05				06:21	10:11	230	10	10	10	2300	
06				06:22	10:12	230	10	10	10	2300	
07				06:23	10:13	230	10	10.5	10.25	2357.5	
08				06:30	10:20	230	10	10	10	2300	
09				06:31	10:21	230	10	10	10	2300	
10				06:32	10:22	230	10	10	10	2300	
11				06:33	10:23	230	10	10	10	2300	
12				06:34	10:24	230	10	10	10	2300	
13				06:39	10:29	230	10	10	10	2300	
14				06:40	10:30	230	10	10	10	2300	

CHAIN OF CUSTODY

18. Relinquished By: E. Lemanovich	19. Received By: JR	20. Date: 9/18/2	21. Time: 16:00
II			
III			

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

22. Lab Name: ATC-TEM	23. Date: 9/18/2	24. Time: 16:00
a. Analyzed By: R. Ruy	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: 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

1. Client: DEP	2. Project Name: DEP Clean-up	3. Project # 15-22306-0002	4. Project Monitor: E. Lemanovich
5. Date: 9.18.2	2a. Project Address: 125 Cedar St.	3a. Task # 83002	4a. Air Sampler: E. Lemanovich
6. Abatement Location: Around building	7. ☐ PCM (0.8 micron MCE) Cassette/Filler Manufacture Lot #	8. ☒ TEM (0.45 micron MCE) Cassette/Filler Manufacture Lot # 916	9. Type: c. Abatement a. ☐ Background b. ☐ Pre-Abate c. ☐ Post-Abate d. ☐ OSHA e. ☐ Other
4c. Rotameter Number: Sb-006			

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	14c. Avg			
15				08:45	11:33	168	10	10	10	1630		
16				10:10	14:10	240	10	10	10	2400		
17				10:11	14:11	240	10	10	10	2400		
18				10:12	14:12	240	10	10	10	2400		
19				10:13	14:13	240	10	10	10	2400		
20				10:20	14:20	240	10	10	10	2400		
21				10:21	14:21	240	10	10.5	10.25	2500		
22				10:22	14:22	240	10	10	10	2400		
23				10:23	14:23	240	10	10	10	2400		
24				10:24	14:24	240	10	10	10	2400		
25				10:25	14:25	240	10	10	10	2400		
26				10:30	14:30	240	10	10	10	2400		

CHAIN OF CUSTODY

18. Relinquished By: E. Lemanovich	19. Received By: JR	20. Date: 9/18/02	21. Time: 16:00
26. ATC Project Manager: F. Burkhardt			

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

22. Lab Name: ATC-TEM	23. Date: 9/18/02	24. Time: 16:00
a. Analyzed By: E. Lemanovich	b. QC By:	c. Lab Batch #:
25. Microscope Make/Serial #: ☐ Nikon Labophot 238913 ☐ Nikon Labophot 238917 ☐ Nikon Labophot 239079		
28. Comments: Analysis Methodology: PCM - NIOSH 7400A TEM - AHERA		

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 19, 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. 8845:

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'.

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



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

Page 1 of 3

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 # 2503-2535	4. Project Monitor: Paul Pavlik	4c. Rotameter Number: 440097
5. Date: 9-16-02	2a. Project Address: 125 Cedar St	3a. Task # 2	4a. Air Sampler: Robert Hosta	
6. Abatement Location: From 1st Fl to Penhouse	7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #	8. ☒ TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot # 9816288	9. Type: a. ☒ 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		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												
04												
05												
06												
07												
08												
09												
10												
11												
12												
13												
14												

CHAIN OF CUSTODY

18. Relinquished By: H. Hosta	19. Received By: JD	20. Date: 9/16/02	21. Time: 16:30
II			
III			

26. ATC Project Manager: Fred Burkhart	27. Result To: Beeper/Phone #s
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LAB INFORMATION (ATC ELAP # 10879, ATC NVLAP # 1187)

22. Lab Name: TEM	23. Date: 9/16	24. Time: 11:15
a. Analyzed By: JD		
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	



AIR MONITORING DATA
AND
CHAIN OF CUSTODY FORM

8845

Page 2 of 3

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 # 22060002	4. Project Monitor: Paul Pavilis	4c. Rotameter Number:
5. Date: 9-16-02	2a. Project Address: 125 Cedar St.	3a. Task #: 2	4a. Air Sampler: Ruben Acosta	
6. Abatement Location: From 1st FL to Penhouse	7. PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #	8. TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot #	9. Type: ☒ Abatement ☐ Background ☐ Post-Abate ☐ OSHA	t. ☐ Environmental g. ☐ Ambient h. ☐ 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		
15		✓		an front of Pers. Decon	6:46	10:21	215	10.0	10.0	2150	
16		✓		inside Waste Decon	6:48	10:23	215	10.0	10.0	2150	
17		✓		on hallway 2nd FL	7:10	10:25	195	10.0	10.0	1950	
18		✓		on hallway Penhouse	10:00	2:20	260	10.0	10.0	2600	
19		✓		on hallway 12th FL	10:03	2:23	260	10.0	10.0	2600	
20		✓		on hallway 11th FL	10:05	2:25	260	10.0	10.0	2600	
21		✓		on hallway 10th FL	10:06	2:26	260	10.0	10.0	2600	
22		✓		on hallway 9th FL	10:08	2:28	260	10.0	10.0	2600	
23		✓		on hallway 8th FL	10:10	2:30	260	10.0	10.0	2600	
24		✓		on hallway 7th FL	10:11	2:31	260	10.0	10.0	2600	
25		✓		on hallway 6th FL	10:13	2:33	260	10.0	10.0	2600	
26		✓		on hallway 5th FL	10:15	2:35	260	10.0	10.0	2600	

CHAIN OF CUSTODY

18. Relinquished By: K. Acosta	19. Received By: J. Acosta	20. Date: 9/16/02	21. Time: 16:30
II			
III			

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

22. Lab Name: Y&S	23. Date: 9/16	24. Time: 11:15
a. Analyzed By: J. Acosta		
b. QC By:		
c. Lab Batch #:		
25. Microscope Make/Serial #: Nikon Labophot 238913	Analysis Methodology: PCM - NIOSH 7400A	
Nikon Labophot 238917	TEM - AHERA	
Nikon Labophot 239079		

26. ATC Project Manager:

Fred Burkhardt	27. Result To: Beeper/Phone #s
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28. Comments:	PINK - Lab	GOLDENROD - Field
---------------	------------	-------------------

WHITE - File YELLOW - Client/Report

NY-1 (1/01)

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

4:30:00 PM

ATC Group #: 8845

Analysis Date: 9/19/02

**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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm²)	(S/cc)	
04 8845 -1	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040	
05 8845 -2	2150.00	0.0450	0	CHRYSTILE	1	0	0.0040	22.24	0.0040	
06 8845 -3	2150.00	0.0450	0	CHRYSTILE	1	0	0.0040	22.24	0.0040	
07 8845 -4	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040	
08 8845 -5	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040	
09 8845 -6	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040	
10 8845 -7	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040	

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

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

Received: 9/16/02 4:30:00 PM
 ATC Group #: 8845
 Analysis Date: 9/19/02

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 0.5µ-5 µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ³)	Asbestos Concentration (S/cc)	Notes
11 8845 -8	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040
12 8845 -9	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040
13 8845 -10	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040
14 8845 -11	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040
15 8845 -12	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040
16 8845 -13	2150.00	0.0450	0	None Detected	0	0	0.0040	<22.24	<0.0040
17 8845 -14	1950.00	0.0450	0	None Detected	0	0	0.0044	<22.24	<0.0044
18 8845 -15	2600.00	0.0450	0	CHRYSTILE	3	0	0.0033	66.73	0.0099
19 8845 -16	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033

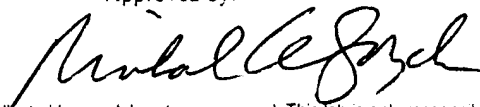
MARK PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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 New York NY 10010

Received: 9/16/02 4:30:00 PM
 ATC Group #: 8845
 Analysis Date: 9/19/02

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 0.5µ-5 µ		Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ³) (S/cc)		Notes
20 8845 -17	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033	
21 8845 -18	2600.00	0.0450	0	CHRYSTILE	0	1	0.0033	22.24	0.0033	
22 8845 -19	2600.00	0.0450	0	CHRYSTILE	0	1	0.0033	22.24	0.0033	
23 8845 -20	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033	
24 8845 -21	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033	
25 8845 -22	2600.00	0.0450	0	CHRYSTILE	1	1	0.0033	44.48	0.0066	
26 8845 -23	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033	
27 8845 -24	2600.00	0.0450	0	CHRYSTILE	1	0	0.0033	22.24	0.0033	
28 8845 -25	2600.00	0.0450	0	CHRYSTILE	0	1	0.0033	22.24	0.0033	

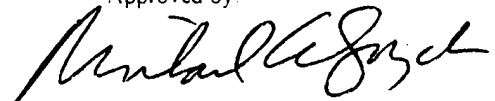
MARK PEYSAKHOV

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: 9/16/02 4:30:00 PM
 ATC Group #: 8845
 Analysis Date: 9/19/02

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		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ-5	5µ		(S/mm ²)	(S/cc)	
29 8845 -26	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033	
30 8845 -27	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033	
31 8845 -28	2600.00	0.0450	0	None Detected	0	0	0.0033	<22.24	<0.0033	

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