



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

October 8, 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. 8942:

Client: D.E.P.
Project Name: D.E.P. Clean-up, 125 Cedar St., NY, NY
Location: Around Building
Samples received: 10/08/02

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', is written over the typed name.

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: 10/8/02

11:00:00 AM

ATC Group #: 8942

Analysis Date: 10/8/02

Project: DEP Clean-up ATC 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 ²)	(S/cc)	
04 8942 -1	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
05 8942 -2	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
06 8942 -3	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
07 8942 -4	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
08 8942 -5	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
09 8942 -6	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
10 8942 -7	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	

MARK PEYSAKHOV

Analyzed by:

MICHAEL A. GORYCKI, Ph.D.

Approved by:

Disclaimer: The laboratory is not responsible for data reported in structures/cc, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/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

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

Received: 10/8/02 11:00:00 AM
 ATC Group #: 8942
 Analysis Date: 10/8/02

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

Project: DEP Clean-up ATC 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 8942 -8	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
12 8942 -9	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	
13 8942 -10	1800.00	0.0450	0	None Detected	0	0	0.0048	<22.24	<0.0048	

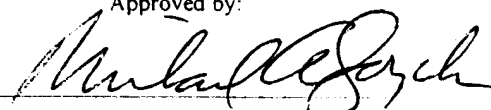
MARK PEYSAKHOV

Analyzed by:



MICHAEL A. GORYCKI, Ph.D.

Approved by:



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



AIR MONITORING DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

1. Client: DEP	2. Project Name: DEP, Clean-up	3. Project # 15-22906-0002	4. Project Monitor: E. Lemanovich
5. Date: 10.07.02	6. Abatement Location: Around building	7. ☐ PCM (0.8 micron MCE) Cassette/Filter Manufacture Lot #	8. ☒ TEM (0.45 micron MCE) Cassette/Filter Manufacture Lot # 376
	2a. Project Address: 185 Cedar St.	3a. Task # 30002	4a. Air Sampler: E. Lemanovich
		9. Type: AMI	
		a. ☐ Background	c. ☐ Abatement
		b. ☐ Pre-Abate	d. ☐ Post-Abate
		e. ☐ OSHA	f. ☐ Environmental
			g. ☐ Ambient
			h. ☒ Other Clean-up
		4c. Rotameter Number: SD-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	14a. Start	14b. End			
01										
02, 03										
04				06:30	14:00	4	4	1800		
05				06:34	14:01	4	4	1800		
06				06:52	14:08	4	4	1800		
07				06:33	14:03	4	4	1800		
08				06:34	14:04	4	4	1800		
09				06:40	14:10	4	4	1800		
10				06:45	14:15	4	4	1800		
11				06:50	14:20	4	4	1800		
12				06:53	14:23	4	4	1800		
13				06:56	14:26	4	4	1800		

CHAIN OF CUSTODY

18. Relinquished By: E. Lemanovich	19. Received By:	20. Date: 10.7.2	21. Time:
II	JD	10/8/02	11:00am
III			

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

22. Lab Name: DECO	23. Date: 10/8/02	24. Time: 13:45
a. Analyzed By: [Signature]		
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	

28. Comments:

WHITE - File YELLOW - Client/Report

PINK - Lab

GOLDENROD - Field

TURNAROUND TIME

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