

1379 Commerce Avenue
Bronx, NY 10461
Tel: 718-794-4300
Fax: 718-794-1411

Safeway

Environmental Corp.

November 21, 2001

Mr. R. Radhakrishnan
NYC Department of Environmental Protection
Bureau of Remediation and Enforcement
Asbestos Control Program
59-17 Junction Boulevard - 8th Floor
Elmhurst, NY 11373
FAX: (718) 595-3648

RE: EMERGENCY CLEANUP
125 Barclay Street

Dear Mr. Radhakrishnan,

We are seeking to commence Emergency Cleanup Procedures for work at the facility identified above. Due to the holiday we are requesting a start date of 11.26.01.

Recent sampling, at this commercial office facility, located at 125 Barclay Street, by H Bader Consultants, Inc., has revealed the presence of Asbestos within several areas within the building. Specifics for this work are as follows:

PROJECT LOCATION

125 Barclay Street [BLOCK-128 / LOT-26], 2 blocks North of the WTC site.

SCOPE OF WORK

Removal of dust and debris accumulations, where levels of Asbestos contamination have been found within the building. All materials to be cleaned up are a direct result of the WTC incident of 09.11. Sampling results within the building have revealed levels of Asbestos containing materials at the following locations:

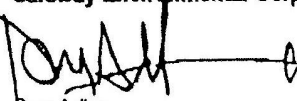
LOCATION		QUANTITY
10th floor	North & South MER	150 sf
7th floor	North MER	70 sf
5th floor	North MER	70 sf
3rd floor	South MER	80 sf
TOTAL		370 sf

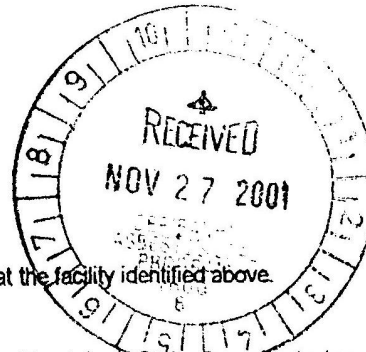
CLEANUP PROCEDURES

1. Construct worker decontamination facility on the 2nd floor.
2. Erect showers at the entrance to each of the machine rooms where work is to be done.
3. Visible dust and debris accumulations shall be HEPA vacuumed from contaminated surfaces.
4. All surfaces within the machine rooms shall be wet wiped.
5. All surfaces shall be encapsulated.
6. TEM final air clearance sampling shall be conducted within each of the cleanup areas.
7. After acceptable air test results have been achieved each work area shall be demobilized.

We thank you for your time and attention to this matter.

Very truly yours,
Safeway Environmental Corp.


Don Adler





H.A. BADER CONSULTANTS, INC.
88 Bleecker Street, Suite 4E
New York, New York 10012
Tel: 212-475-4122
Fax: 212-477-8941
E-mail: hbader1@nyc.rr.com



JUST THE FAX

DATE: 12/24

TIME: 110

TOTAL PAGES (including this page): 3

TO: CARLSTEIN

FROM: HOWARD BADER

COMMENTS: THESE ARE THE FINAL TESTS FOR
THE 5TH FLOOR NORTH MER. YOU
NOW HAVE TEM CLEARANCE TEST
RESULTS FOR ALL WORK AREAS
THAT REQUIRED FILWL AT 125 BANCHEY ST.

ORIGINAL MAILED: Yes ☐ No ☐ Upon Request ☐

H.A. Bader Consultants, Inc.
88 Bleecker Street, Suite 4E
New York, New York 10012
(212) 475 - 4122

Project Name: DC3F
Project Address: 125 Barclay Street N.Y.C.
Taken by: R. Nelson

ASBESTOS AIR SAMPLING

DATE	SAMPLE LOCATION	SAMPLE NUMBER	FLOW (L/MIN)	START TIME	STOP TIME	TOTAL TIME	TOTAL VOLUME	A	M	I	O	P	B	S	R	C	F	E
12/12/01	inside of 5 North tent	5-01	10	12:00	15:00	180	1800	X		X							X	X
	inside of 5 North tent	5-02	10	12:01	15:03	182	1820	X		X							X	X
	inside of 5 North tent	5-03	10	12:02	15:04	182	1820	X		X							X	X
	Field Blank	5-04	—															
	Field Blank	5-05	—															
12/12/01	2nd Floor Hallway	DT-650	5	08:00	15:00	420	2100	X		X								
	1st Flr. by Central Stair	DT-651	5	08:01	15:01	420	2100	X		X								
	1st Flr Lobby	DT-652	5	08:02	15:02	420	2100	X										
	Field Blank	DT-653	5															
	Field Blank	DT-654																

A = Air Sampling
M = Micro-Vacuum Sampling
I = Inside Work Area

O = Outside Work Area
P = Pre Air Sampling
B = Baseline/Ambient

S = Preparation
R = During Removal
C = Cleanup

F = Final Air Test
E = Pumps Calibrated at Start/Finish

Page _____ of _____

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-280-0051 Fax: 212-280-0058 Email:

EMSL

Attn: H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-476-4122

Project: DC 37 128 Barclay St. NY NY

Customer ID: HAB50

Customer PO:

Received: 12/18/01 8:44 PM

EMSL Order: 030109956

EMSL Project ID:

Analysis Date: 12/19/2001

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)	# Structure 0.5µ - 5µ ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ³) (S/cc)	Notes
2/17/01 5-01 330109956-0001	1800.00	0.0500	0	None Detected		0.0043	<20.00 <0.0043	
2/17/01 5-02 330109956-0002	1820.00	0.0500	0	None Detected		0.0042	<20.00 <0.0042	
2/17/01 5-03 330109956-0003	1820.00	0.0500	0	None Detected		0.0042	<20.00 <0.0042	



George William (3)

Laboratory Manager
or other approved signatory

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/cc. This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any 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 analyst's accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101048-9, NY State ELAP #11536

TEMAHERA-1

1



H.A. BADER CONSULTANTS, INC.
88 Bleecker Street, Suite 4E
New York, New York 10012
Tel: 212-475-4122
Fax: 212-477-8941
E-mail: hbader1@nyc.rr.com



JUST THE FAX

DATE: 11/29

TIME: 11 30 PM

TOTAL PAGES (including this page): 10

TO: CARL LUTZMEDIAL

FROM: HOWARD BADER

COMMENTS: 125 BANCAY STREET

AIR & BULK SAMPLES FROM

INITIAL SURVEY & ROOF TEST

* THE 3749 FAX WASN'T WORKING

PLEASE PASS ALONG TO CARL

THANK YOU

ORIGINAL MAILED: Yes ☐ No ☐ Upon Request ☒


New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-230-0051 Fax: 2122900058 Email:

Attn: Howard Bader
H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104916

EMSL Project ID:

Analysis Date: 9/25/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D221 030104916-0021	3rd FI MER N AC5 Cond Duct	Gray	Dissolved	65.00% Min. Wool	20.00% Non-fibrous (other)	<1% Chrysotile
		Fibrous Heterogeneous	Teased	15.00% Cellulose		
D222 030104916-0022	4th FI S AC3 Cond Duct	Gray	Dissolved	55.00% Min. Wool	20.00% Non-fibrous (other)	None Detected
		Fibrous Heterogeneous	Teased	25.00% Cellulose		
D223 030104916-0023	3rd FI S AC3 Mix Air Planm	Gray	Dissolved	35.00% Min. Wool	38.60% Non-fibrous (other)	1.40% Chrysotile
		Fibrous Heterogeneous	Teased	25.00% Cellulose		

Ram Yallabandi

Analyst



Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11508

PLM Printout-1

3

New York Lab

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Project: DC 37, 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 11/27/01 7:27 PM

EMSL Order: 030108717

EMSL Project ID:

Analysis Date: 11/28/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
B401 030108717-0001	Roof dust NW	Black	Teased	15.00% Glass	55.00% Non-fibrous (other)	None Detected
		Fibrous Heterogeneous	Dissolved	30.00% Cellulose		
B402 030108717-0002	Roof dust NE	Black	Teased	15.00% Glass	60.00% Non-fibrous (other)	None Detected
		Fibrous Heterogeneous	Dissolved	35.00% Cellulose		
B403 030108717-0003	Roof dust Center	Brown/Black	Teased	20.00% Glass	45.00% Non-fibrous (other)	<1% Chrysotile
		Fibrous Heterogeneous	Dissolved	35.00% Cellulose		
B404 030108717-0004	Roof dust SW	Brown	Crushed	10.00% Glass	35.00% Non-fibrous (other)	None Detected
		Non-Fibrous Heterogeneous	Dissolved	25.00% Cellulose		
B405 030108717-0005	Roof dust SE	Brown	Teased	20.00% Glass	40.00% Non-fibrous (other)	<1% Chrysotile
		Fibrous Heterogeneous	Dissolved	40.00% Cellulose		

Williams John

Analyst



Laboratory Manager
or other approved signatory

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Analysis performed by EMSL Manhattan (NVLAP #101048-B), NY ELAP 11508

PLM Print Count: 1

New York Lab

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Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

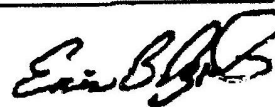
EMSL Order: 030104916

EMSL Project ID:

Analysis Date: 9/25/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D211 030104916-0011	7th FIMER N AC4 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 15.00% Cellulose	18.40% Non-fibrous (other)	1.60% Chrysotile
D212 030104916-0012	8th FIMER Bathrm Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 15.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
D213 030104916-0013	1st FI Exterior louvers N	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 12.00% Cellulose	23.00% Non-fibrous (other)	<1% Chrysotile
D214 030104916-0014	1st FI Exterior louvers W	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 15.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile
D215 030104916-0015	1st FI Exterior louvers S	Gray Fibrous Heterogeneous	Dissolved Teased	62.00% Min. Wool 13.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile
D216 030104916-0016	2nd FIMER S Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	62.00% Min. Wool 11.00% Cellulose	27.00% Non-fibrous (other)	<1% Chrysotile
D217 030104916-0017	2nd FIMER N Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	55.00% Min. Wool 20.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile
D218 030104916-0018	2nd FIMER N Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Min. Wool 5.00% Cellulose	25.00% Quartz 25.00% Non-fibrous (other)	None Detected
D219 030104916-0019	5th FIMER N AC4 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	59.00% Min. Wool 25.00% Cellulose	14.90% Non-fibrous (other)	1.10% Chrysotile
D220 030104916-0020	5th FIMER S AC3 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 20.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile



Ram Yalabandi

Analyst

Laboratory Manager
or other approved signatory

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Analysis performed by EMSL Manhattan (NVLAP #101049-9), NY ELAP 11506

PLM Point Count-1

New York Lab

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Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104916

EMSL Project ID:

Analysis Date: 9/25/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D201 030104916-0001	10th FIMER N all Window	Gray Fibrous Heterogeneous	Dissolved Teased	40.00% Min. Wool 13.00% Cellulose	45.90% Non-fibrous (other)	1.10% Chrysotile
D202 030104916-0002	10th FIMER N AC 5 Condenser Duct	Gray Fibrous Heterogeneous	Dissolved Teased	82.00% Min. Wool 8.00% Cellulose	30.00% Non-fibrous (other)	<1% Chrysotile
D203 030104916-0003	10th FIMER S AC 1 Condenser Duct	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 5.00% Cellulose	25.50% Non-fibrous (other)	4.50% Chrysotile
D204 030104916-0004	9th FIMER N Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 10.00% Cellulose	30.00% Non-fibrous (other)	<1% Chrysotile
D205 030104916-0005	9th FIMER N AC5 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	5.00% Glass 15.00% Cellulose	60.00% Quartz 20.00% Non-fibrous (other)	None Detected
D206 030104916-0006	9th FIMER S Exterior Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Min. Wool 15.00% Cellulose	40.00% Non-fibrous (other)	None Detected
D207 030104916-0007	8th FIMER S AC5 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	50.00% Min. Wool 15.00% Cellulose	35.00% Non-fibrous (other)	<1% Chrysotile
D208 030104916-0008	8th FIMER N AC4 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 15.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
D209 030104916-0009	8th FIMER N AC5 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 10.00% Cellulose	30.00% Non-fibrous (other)	<1% Chrysotile
D210 030104916-0010	7th FIMER S AC3 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 15.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile

Ram Yalabandi

Analyst

E. Bader
Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11508

PLM Print Count: 1

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 2122900058 Email:

EMSL

Attn: Howard Bader
H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104914

EMSL Project ID:

Analysis Date: 9/26/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D121 030104814-0021	3rd Fl CarpetRm 318 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 55.00% Cellulose	35.00% Non-fibrous (other)	None Detected
D122 030104814-0022	Field Blank	White Fibrous Homogeneous	Teased Dissolved	98.00% Cellulose	2.00% Non-fibrous (other)	None Detected
D123 030104814-0023	Field Blank	White Fibrous Homogeneous	Teased Dissolved	98.00% Cellulose	2.00% Non-fibrous (other)	None Detected

Williams John

Analyst



Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11506

PLM Printout-1

New York Lab

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EMSL

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66 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104914

EMSL Project ID:

Analysis Date: 9/26/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D111 30104814-0011	1st FL Walk off Matt S	Brown Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 25.00% Cellulose	55.00% Non-fibrous (other)	None Detected
D112 30104814-0012	1st FL Walk off Matt N	Brown Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 30.00% Cellulose	50.00% Non-fibrous (other)	None Detected
D113 30104814-0013	2nd FL Carpet Room N	Gray Fibrous Heterogeneous	Teased Dissolved	35.00% Glass 30.00% Cellulose	35.00% Non-fibrous (other)	None Detected
D114 30104814-0014	2nd FL Carpet Room S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	55.00% Non-fibrous (other)	None Detected
D115 30104814-0015	5th FL Exec. Office 527 Carpet W	Tan Fibrous Heterogeneous	Teased Dissolved	30.00% Glass 25.00% Cellulose	45.00% Non-fibrous (other)	None Detected
D116 30104814-0016	5th Fl Carpet Rm 501A N	Gray Fibrous Heterogeneous	Teased Dissolved	50.00% Cellulose	50.00% Non-fibrous (other)	None Detected
D117 30104814-0017	5th Fl Carpet Rm 540 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 40.00% Cellulose	50.00% Non-fibrous (other)	None Detected
D118 30104814-0018	4th Fl Carpet Rm 415 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 50.00% Cellulose	40.00% Non-fibrous (other)	None Detected
D119 30104814-0019	4th Fl Carpet Rm 407 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 45.00% Cellulose	45.00% Non-fibrous (other)	None Detected
D120 30104814-0020	3rd Fl Carpet Rm 301 N	Gray Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 45.00% Cellulose	40.00% Non-fibrous (other)	None Detected

Williams John

Analyst



Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NVLAP #101048-8), NY ELAP 11508

PLM Printout-1

New York Lab

307 West 38th Street, New York, NY 10018

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Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104914

EMSL Project ID:

Analysis Date: 9/26/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D101 030104914-0001	10th Fl Carpet Rm 1001 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	15.00% Quartz 40.00% Non-fibrous (other)	None Detected
D102 030104914-0002	10th Fl Carpet Rm 1000 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 40.00% Cellulose	10.00% Quartz 40.00% Non-fibrous (other)	None Detected
D103 030104914-0003	9th Fl Carpet Rm 980 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 30.00% Cellulose	10.00% Quartz 50.00% Non-fibrous (other)	None Detected
D104 030104914-0004	9th Fl Carpet Rm 901 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	10.00% Quartz 45.00% Non-fibrous (other)	None Detected
D105 030104914-0005	8th Fl Carpet Rm 811 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 30.00% Cellulose	10.00% Quartz 50.00% Non-fibrous (other)	None Detected
D106 030104914-0006	8th Fl Carpet Rm 814 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 45.00% Cellulose	10.00% Quartz 35.00% Non-fibrous (other)	None Detected
D107 030104914-0007	7th Fl Carpet Rm 730 N	Gray Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 40.00% Cellulose	10.00% Quartz 35.00% Non-fibrous (other)	None Detected
D108 030104914-0008	7th Fl Carpet Rm 780 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 45.00% Cellulose	5.00% Quartz 40.00% Non-fibrous (other)	None Detected
D109 030104914-0009	6th Fl Carpet RM 640 Middle	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	55.00% Non-fibrous (other)	None Detected
D110 030104914-0010	6th Fl Carpet RM 640 Middle	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 25.00% Cellulose	65.00% Non-fibrous (other)	None Detected



Williams John

Analyst

Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NYLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NYLAP #101048-9), NY ELAP 11508

PLM Printout-1

1

EMSL**New York Lab**

307 West 30th Street, New York, NY 10018

Phone: 212-290-0061 Fax: 212-290-0068 Email:

Attn: Howard Bader
H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104913

EMSL Project ID:

Analysis Date: 9/28/01

**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)	# Structure 0.5µ-5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ³) (S/cc)	Notes
010 030104913-0001	1340.00	0.0625	5	Chrysotile	0	1	0.0046	16 0.0046
009 030104913-0002	1330.00	0.0625	3	None Detected			0.0046	<16.00 <0.0046
008 030104913-0003	1350.00	0.0625	2	None Detected			0.0046	<16.00 <0.0046
007 030104913-0004	1370.00	0.0625	7	Chrysotile	1	0	0.0045	16 0.0046
006 030104913-0005	1350.00	0.0625	2	None Detected			0.0046	<16.00 <0.0046
005 030104913-0006	1350.00	0.0625	1	None Detected			0.0046	<16.00 <0.0046
004 030104913-0007	1440.00	0.0625	5	None Detected			0.0043	<16.00 <0.0043
003 030104913-0008	1430.00	0.0625	5	None Detected			0.0043	<16.00 <0.0043
002 030104913-0009	1250.00	0.0625	2	None Detected			0.0049	<16.00 <0.0049
001 030104913-0010	1250.00	0.0625	1	None Detected			0.0049	<16.00 <0.0049

Jim Hall

Analyst

Em B. Bader
Laboratory Manager
or other approved signatory

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/mm³. This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any 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 #101048-9, NY State ELAP #11508

TEM/HERA-1

H.A. Bader Consultants, Inc.
88 Bleecker Street, Suite 4E
New York, New York 10012
(212) 475 - 4122

PROJECT NAME: DC 37
PROJECT ADDRESS: 125 Barclay Street, NY, NY
TAKEN BY: RM + HB

ASBESTOS AIR SAMPLING

DATE 2001	SAMPLE LOCATION	PUMP NUMBER	SAMPLE NUMBER	FLOW RATE (L/MIN)	START TIME	STOP TIME	TOTAL TIME	TOTAL VOLUME	A	M	I	O	P	B	S	R	C	F	E
9/25	1st Floor	55	D1	10	1224	1429	125	1250	X					X					X
9/25	2nd Floor	64	D2	10	1221	1426	125	1250	X					X					X
9/25	3rd Floor	51	D3	10	1219	1442	143	1430	X					X					X
9/25	4th Floor	5	D4	10	1217	1441	144	1440	X					X					X
9/25	5th Floor	65	D5	10	1214	1439	145	1450	X					X					X
9/25	6th Floor	51	D6	10	940	1155	135	1350	X					X					X
9/25	7th Floor	64	D7	10	942	1159	137	1370	X					X					X
9/25	8th Floor	65	D8	10	946	1201	135	1350	X					X					X
9/25	9th Floor	5	D9	10	949	1202	133	1330	X					X					X
9/25	10th Floor	55	D10	10	950	1204	134	1340	X					X					X
9/25	Field Blank	—	D11	—	—	—	—	—											
9/25	Field Blank	—	D12	—	—	—	—	—											

A = Air Sampling
M = Micro-Vacuum Sampling
I = Inside Work Area

O = Outside Work Area
P = Pre Air Sampling
B = Baseline/Ambient

S = Preparation
R = During Removal
C = Cleanup

F = Final Air Test
E = Pumps Calibrated at Start/Finish

Page 01 of 01

11/30/2001 00:45 2124778941

H A BADER

PAGE 02



H.A. BADER CONSULTANTS, INC.
88 Bleecker Street, Suite 4E
New York, New York 10012
Tel: 212-475-4122
Fax: 212-477-8941
E-mail: hbader1@nyc.rr.com



JUST THE FAX

DATE: 12/8/01 1210

TIME: 1200 830 *

TOTAL PAGES (including this page): 9

TO: CARLSTEN

FROM: HOWARD BADER

COMMENTS: TO DATE WE HAVE COMPLETED

ABAPMENT AT 125 BANCAY ST IN

WORK AREAS ON THE 10TH (NORTH & SOUTH)
7TH FLOOR MER NORTH

FLOOR MER 1 AND 3RD FLOOR SOUTH MER

8 FOLLOWING ARE TEM RESULTS FOR

FINAL CLEARANCE.

ORIGINAL MAILED: Yes No Upon Request X

I'VE BEEN TRYING FAX # 3749 AND CAN'T GET THROUGH

NVLAP or any 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 to: NVLAP PLM ITEM #101048-9, NY State ELAP #11508

ITEM # ERA-1

Asbestos

Analysis Type: ☐ PLM ☐ PCM ☒ TEM

☐ Additional Pages

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0661 Fax: 212-290-0058 Email:

EMSL

Attn: Howard Bader
H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941 Phone: 212-475-4122

Project: DC 37 125 BARCLAY STREET, NY, NY

Customer ID: HAB50
Customer PO:
Received: 12/06/01 11:20 AM

EMSL Order: 030109397
EMSL Project ID:
Analysis Date: 12/9/2001

**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)	# Structure 0.5µ - 5µ ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
							(S/mm ²)	(S/cc)	
12/7/01 DT-563 030109397-0001	1800.00	0.0500	0	None Detected		0.0043	<20.00	<0.0043	
12/7/01 DT-564 030109397-0002	1800.00	0.0500	1	None Detected		0.0043	<20.00	<0.0043	
12/7/01 DT-565 030109397-0003	1800.00	0.0500	1	None Detected		0.0043	<20.00	<0.0043	

Alex Chechelovski (3)



Laboratory Manager
or other approved signatory

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 EMSL. This report must not be used to claim product endorsement by NVLAP or any 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 #101048-8 NY State ELAP #11508

TEMAHERA-1

1

EMSL Analytical, Inc.

030107073 H A BADER
CHAIN OF CUSTODY

Asbestos

Company: H. A. Bader Consultants, Inc.

Project Name/Address: DC 33 175 Barclay Street N.Y., N.Y.

Analysis Type: ☐ PLM ☐ PCM ☒ TEM

[illegible]

Additional Pages

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 212-290-0053 Email:

EMSL

Attn: H.A. Bader Consultants
88 Bleeker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 125 Barclay Street NY, NY.

Customer ID: HAB50

Customer PO:

Received: 12/04/01 4:07 PM

EMSL Order: 030109093

EMSL Project ID:

Analysis Date: 12/4/2001

**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)	# Structure 0.3µ - 5µ ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ³) (S/cc)	Notes
12/4/01 DT-543 030109093-0001	1800.00	0.0500	1	None Detected		0.0043	<20.00 <0.0043	
12/4/01 DT-544 030109093-0002	1800.00	0.0500	3	None Detected		0.0043	<20.00 <0.0043	
12/4/01 DT-545 030109093-0003	1800.00	0.0500	1	Amosite	1	0.0043	20 0.0043	

George William (3)



Laboratory Manager
or other approved signatory

Disclaimer: The laboratory is not responsible for data reported in structures, which is dependent on volume collected by non-laboratory personnel. This lab is only responsible for data reported in structures/mm³. This report may not be reproduced, except in full, without written approval by EMSL. This report must not be used to claim product endorsement by NVLAP or any 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 analyst accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101048-0, NY State ELAP #11500

TEM/AHERA-1

EMSL Analytical, Inc.

CHAIN OF CUSTODY

Asbestos

Company: H. A. Bader Consultants, Inc.

Project Name/Address: DC37 125 Barclay Street N.Y., N.Y.

Analysis Type: ☐ PLM ☐ PCM ☒ TEM

[illegible]

01 DEC - 2 PM 9:03

() Additional Pages

EMSL

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-280-0051 Fax: 212-280-0058 Email:

Attn: Howard Bader
H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC37 125 BARCLAY STREET NY, NY

Customer ID: HAB50

Customer PO:

Received: 12/02/01 9:03 PM

EMSL Order: 030109013

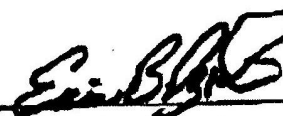
EMSL Project ID

Analysis Date: 12/2/01

**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)	# Structure 0.5µ - 5µ ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ²) (S/cc)	Notes
DT-528 030109013-0001	1800.00	0.0500	0	None Detected		0.0043	<20.00 <0.0043	
DT-529 030109013-0002	1800.00	0.0500	0	None Detected		0.0043	<20.00 <0.0043	
DT-530 030109013-0003	1800.00	0.0500	0	None Detected		0.0043	<20.00 <0.0043	




Laboratory Manager
or other approved signatory

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Accredited for NVLAP PLM/TEM #101048-9, NY State ELAP #11500

TEM AHERA-1

Asbestos

Company: H. A. Bader Consultants, Inc.

Project Name/Address: DC 37 125 Barclay Street

Analysis Type: ☐ PLM ☐ PCM ☒ TEM

[illegible]

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 212-290-0068 Email:

EMSLAttn: H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street / NY, NY

Customer ID: HAB50

Customer PO

Received: 11/30/01 4:35 PM

EMSL Order: 030108890

EMSL Project ID

Analysis Date: 12/1/01

**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)	# Structure 0.5µ - 5µ ≥ 5µ	Analytical Sensitivity (S/cc)	Asbestos Concentration (S/mm ³) (S/cc)	Notes
11/30/01 DT523 030108890-0001	2100.00	0.0500	0	None Detected		0.0037	<20.00 <0.0037	
11/30/01 DT524 030108890-0002	2100.00	0.0500	0	Chrysotile	1 0	0.0037	20 0.0037	
11/30/01 DT525 030108890-0003	2100.00	0.0500	0	None Detected		0.0037	<20.00 <0.0037	

Eric Bader

Roman Peysakhov (3)

Laboratory Manager
or other approved signatory

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Accredited for NVLAP PLM/TEM #101048-9, NY State GLAP #11506

TEM AHERA-1

AMERICAN FEDERATION OF STATE, COUNTY & MUNICIPAL EMPLOYEES

DISTRICT COUNCIL 37

Lee Saunders, Administrator

December 12, 2001

BY HAND

Mr. Claude Fort
President
Local 375 - Civil Service Technical Guild
59-17 Junction Boulevard
Queens, NY 11373

Re: 125 Barclay Street
New York, NY

Dear Brother Fort:

At the recent meeting of your Executive Board, some Board members requested a copy of our Environmental Consultants Report concerning asbestos in the building.

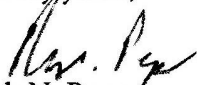
They also asked, why no asbestos filing was done for the Roof Asbestos Abatement Project. The Roof Analysis Report shows either no asbestos was detected or that it was less than 1%.

We are doing asbestos abatement on the roof because our insurance company asked that we do same, and they are paying for it.

Copies of both reports are enclosed for your information.

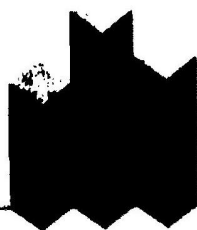
If you have any questions, please do not hesitate to call me.

Sincerely yours,


Ralph N. Pepe
Real Estate Manager

RNP/ec
Enclosures

TEMPORARY OFFICE: 125 West 24 Street - 8th Floor, New York, NY 10011
Telephone No. 212-367-1124 * Fax No. 212-367-1297



H.A. BADER
CONSULTANTS, INC.

**ENVIRONMENTAL
CONSULTING ENGINEERS**
88 Bleecker Street, Suite 4E
New York, NY 10012
Tel. 212-475-4123
Fax: 212-477-8041

HOWARD A. BADER, P.E.
President

November 29, 2001

Ralph Pepe
District Council 37
125 Barclay Street
New York, New York 10007

Re: Asbestos Cleanup of 125 Barclay Street

Dear Mr. Pepe,

H. A. Bader Consultants, Inc. performed a thorough asbestos survey at 125 Barclay Street after the September 11, 2001, World Trade Center Disaster. The survey included air and surface sampling for asbestos.

Air samples were taken on each floor and were analyzed by an accredited asbestos laboratory using transmission electron microscopy (TEM). TEM analysis is very accurate for finding even trace amounts of asbestos fibers present in the air. The United States Environmental Protection Agency (EPA) uses 70 asbestos structures per square millimeter (AS/mm²) as the clearance level for determining whether school areas are safe for re occupancy after completion of asbestos abatement projects. All air samples at 125 Barclay Street had asbestos structure concentrations well below 70 AS/mm².

A total of 49 dust/debris samples have been taken at 125 Barclay Street to date and were analyzed by an accredited asbestos laboratory. 5 samples were identified as asbestos containing materials (ACM). An ACM is defined as a material with greater than one percent asbestos. 17 samples were found to have trace (i.e., less than 1%) asbestos content. 27 samples had no asbestos detected.

Asbestos concentrations less than one percent are not regulated by the US EPA, New York State Department of Labor (DOL) and New York City Department of Environmental Protection (DEP). Therefore, only areas where asbestos dust/debris contained greater than one percent asbestos were filed with the appropriate regulatory agencies. This is consistent with EPA, DOL and DEP regulatory procedures.

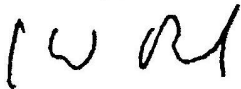
Page 2 of 2

Re: Environmental Testing

H. A. Bader Consultants has prepared specifications for the cleanup of 125 Barclay Street. At a minimum, the specifications require a licensed asbestos contractor to clean all areas of the building where ACM and trace asbestos content materials were identified. The only area of the building not being cleaned by the asbestos contractor are interior areas greater than 15 feet from the perimeter window wall and where visible dust associated with the Trade Center disaster was not observed.

In interior areas of the building where the asbestos contractor is not doing the cleaning, the cleaning contractor is still required to use special vacuums (HEPA filtered) and wet cleaning methods identical to those used on asbestos cleanup projects. H. A. Bader Consultants will be performing asbestos air sampling on every floor of the building, using TEM analysis, prior to re-occupancy. If you have any questions, please call.

Sincerely,



Howard A. Bader, P.E.
President

cc Safeway Environmental

New York Lab

307 West 30th Street, New York, NY 10018

Phone: 212-200-0051 Fax: 212-200-0058 Email:

EMSL

Attn: H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37, 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 11/27/01 7:27 PM

EMSL Order: 030108717

EMSL Project ID:

Analysis Date: 11/28/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
B401 030108717-0001	Roof dust NW	Black Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 30.00% Cellulose	55.00% Non-fibrous (other)	None Detected
B402 030108717-0002	Roof dust NE	Black Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 35.00% Cellulose	50.00% Non-fibrous (other)	None Detected
B403 030108717-0003	Roof dust Center	Brown/Black Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 35.00% Cellulose	45.00% Non-fibrous (other)	<1% Chrysotile
B404 030108717-0004	Roof dust SW	Brown Non-Fibrous Heterogeneous	Crushed Dissolved	10.00% Glass 25.00% Cellulose	35.00% Non-fibrous (other) 30.00% CA Carbonite	None Detected
B405 030108717-0005	Roof dust SE	Brown Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 40.00% Cellulose	40.00% Non-fibrous (other)	<1% Chrysotile

Williams John

Analyst

*Eric Blum*Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NYLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NYLAP #101048-8), NY ELAP 11308

PLM Print Count-1

1

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 212-290-0058 Email:

EMSL

Attn: Howard Bader
H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104916

EMSL Project ID:

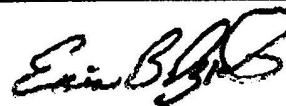
Analysis Date: 9/25/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D211 030104916-0011	7th F I MER N AC4 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 15.00% Cellulose	18.40% Non-fibrous (other)	1.60% Chrysotile
D212 030104916-0012	6th F I E Bathrm Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 15.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
D213 030104916-0013	1st F I Exterior louvers N	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 12.00% Cellulose	23.00% Non-fibrous (other)	<1% Chrysotile
D214 030104916-0014	1st F I Exterior louvers W	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 15.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile
D215 030104916-0015	1st F I Exterior louvers S	Gray Fibrous Heterogeneous	Dissolved Teased	62.00% Min. Wool 13.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile
D216 030104916-0016	2nd F I MER S Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	62.00% Min. Wool 11.00% Cellulose	27.00% Non-fibrous (other)	<1% Chrysotile
D217 030104916-0017	2nd F I MER N Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	55.00% Min. Wool 20.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile
D218 030104916-0018	2nd F I MER N Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Min. Wool 5.00% Cellulose	25.00% Quartz 25.00% Non-fibrous (other)	None Detected
D219 030104916-0019	5th F I MER N AC4 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	59.00% Min. Wool 25.00% Cellulose	14.90% Non-fibrous (other)	1.10% Chrysotile
D220 030104916-0020	5th F I MER S AC3 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 20.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile

Ram Yallebandi

Analyst



Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analyst, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

PLM Print Count: 1

2

New York Lab

307 West 38th Street, New York, NY 10018

Phone: 212-290-0051 Fax: 212-290-0058 Email:

EMSL

Attn: Howard Bader
H.A. Bader Consultants
88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104916

EMSL Project ID:

Analysis Date: 9/25/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	<u>Non-Asbestos</u>		<u>Asbestos</u>
				% Fibrous	% Non-Fibrous	% Type
0221 30104916-0021	3rd FLOOR N AC5 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 15.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
0222 30104916-0022	4th FLOOR AC3 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	55.00% Min. Wool 25.00% Cellulose	20.00% Non-fibrous (other)	None Detected
0223 30104916-0023	3rd FLOOR AC3 Mix Air Plenum	Gray Fibrous Heterogeneous	Dissolved Teased	35.00% Min. Wool 25.00% Cellulose	38.80% Non-fibrous (other)	1.40% Chrysotile

Ram Yallabandi

Analyst



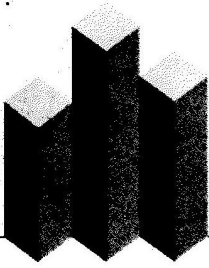
Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

Analysis performed by EMSL Manhattan (NVLAP #101048-9), NY ELAP 11505

PLM Point Count-1

3



H.A. BADER
CONSULTANTS, INC.

**ENVIRONMENTAL
CONSULTING ENGINEERS**
88 Bleecker Street, Suite 4E
New York, NY 10012
Tel: 212-475-4122
Fax: 212-477-8941

HOWARD A. BADER, P.E.
President

September 27, 2001

Ralph Pepe
District Council 37
125 Barclay Street
New York, New York 10007

Re: Environmental Testing

Dear Mr. Pepe,

H. A. Bader Consultants, Inc. performed asbestos and lead testing throughout 125 Barclay Street on September 25, 2001. The sampling was performed by Howard Bader, P.E. and Richard Massari of H. A. Bader Consultants.

H. A. Bader Consultants is licensed by the New York State Department of Labor (DOL) as an Asbestos Consultant. Mr. Bader and Massari are New York City Department of Environmental Protection (DEP) Certified Asbestos Investigators. In addition, Mr. Bader and Massari are Certified by the DOL and United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) Program as Asbestos Air Sampling Technicians, Inspectors, Management Planners and Project Monitors. Mr. Bader has been trained and certified as a Lead Inspector and Risk Assessor by the New Jersey Department of Health. New York State does not have certifications in this area at this time.

Several buildings at and adjacent to the World Trade Center Complex in lower Manhattan were destroyed or severely damaged on or around September 11, 2001. It is common knowledge that some of these buildings had asbestos containing materials and possibly lead-based paint. It is suspected that debris from the damaged buildings became airborne and potentially contaminated areas in lower Manhattan with asbestos fibers and lead dust.

Re: Environmental Testing

Page 2 of 5

125 Barclay Street is currently being used to house various members of the rescue and recovery operation. There is also concern that these personnel are carrying asbestos and lead contamination on their clothing when they return to the building.

H. A. Bader Consultants scope of work was to determine if there is a potential asbestos and/or lead related health concern in the building. The primary pathway for asbestos and lead to enter the building is through the ventilation systems, the main building entrances and operable windows. There are approximately 50 air handling units (AHU) that have outdoor air capabilities.

H. A. Bader Consultants performed asbestos testing in or near the outdoor air intake of every AHU. Asbestos and lead testing was performed at or near every building entrance, including those used by the rescue and recovery personnel. With the exception of the Penthouse and Basement levels, asbestos and lead surface samples were taken on the north and south sides of each floor of the building. A single asbestos air sample was taken in the center of the building on floors 1 through 10.

Once asbestos fibers enter a building they may remain airborne or settle onto fixed surfaces (primarily horizontal surfaces). Lead dust is heavy and settles very quickly. H. A. Bader Consultants testing methods concentrated on both airborne and surface testing for asbestos and only surface testing for lead.

Lead Testing

The U.S. Federal Department of Housing and Urban Development (HUD) and the City of New York Department of Environmental Protection (DEP) have established allowable levels of lead dust in residential settings occupied by children. The HUD/DEP clearance level is of 50 $\mu\text{g}/\text{ft}^2$. These levels are extremely conservative and apply to buildings where small children (less than six years old) reside or frequently visit.

21 lead dust samples were taken. 19 samples were below the level of detection (i.e., no lead found). Two samples had detectable lead levels (41 and 69 $\mu\text{g}/\text{ft}^2$), with only one sample exceeding the HUD/DEP guideline level. Reference the attached laboratory results from EMSL Analytical.

The $41 \mu\text{g}/\text{ft}^2$ sample was taken from a glass table top in Room 527. The room window was left open during the disaster and the floor and room contents are covered with dust. The $69 \mu\text{g}/\text{ft}^2$ sample was taken from the vinyl flooring in the southwest corner of the second floor. Again, windows were left open and the floor and office contents are covered with dust. This testing indicates that significant lead contamination is not a problem in the building. The affected areas require some cleaning, which is discussed later in this report.

Asbestos Air Sampling

10 air samples (one per floor) were taken and analyzed by an accredited asbestos laboratory using transmission electron microscopy (TEM). TEM analysis is very accurate for finding even trace amounts of asbestos fibers present in the air.

The United States Environmental Protection Agency (EPA) has established a protocol for determining whether school areas are safe for re-occupancy after completion of asbestos abatement projects. This procedure is covered by EPA 40 CFR Part 763, Asbestos-Containing Materials in Schools. The procedures state that the average asbestos airborne fiber level in the abated work area must be less than 70 asbestos structures per square millimeter (AS/mm^2).

The laboratory results from the testing on September 25, found no asbestos structures present in 8 of the samples. 2 samples had one asbestos structure (fiber) present and the levels were well below the allowable $70 \text{ AS}/\text{mm}^2$. Reference the attached laboratory results from EMSL Analytical.

Very low levels of asbestos exist in the New York City urban environment. Two samples with one asbestos structure present in a total sampling of 10 is considered statistically insignificant.

HVAC Asbestos Sampling

The air handling units have not operated since the morning of September 11, 2001. Dust samples were taken in the immediate vicinity of the air handling unit outdoor air intakes on each floor. A total of 23 samples were analyzed by the accredited asbestos laboratory using polarized light microscopy (PLM).

Five samples were identified as asbestos containing materials (ACM). An ACM is defined as a material with greater than one percent asbestos. 14 samples were found to have trace (i.e., less than 1%) asbestos content. Levels less than one percent are not regulated. Four samples had no asbestos detected. The laboratory results demonstrate that asbestos contamination is present at or near every outdoor air intake in the building. Reference the attached laboratory results from EMSL Analytical for locations.

The air handling unit (AHU) air cooled condenser coils and ducts are heavily contaminated with dust. This portion of this system does not handle any ventilation air that is distributed to occupied areas within the building.

With the AHUs not in operation, the outdoor air dampers were closed at the time of inspection. The damper seal appears normal, however some opportunity for leakage was observed. The mixed air plenums and unit interiors have minimal visible dust. The distribution ductwork was not inspected on September 25, 2001.

Based on the asbestos levels detected and visual inspection, all air handling units in the building require a thorough cleaning. As a precaution, all air distribution ducts and the mechanical equipment rooms should also be cleaned. The firm and personnel performing the cleaning should be certified as an HVAC Duct Cleaning Specialists (e.g., National Air Duct Cleaners Association). The firm must also have experience and certifications for asbestos abatement. Independent asbestos and dust testing should be performed by an Environmental Consultant after project completion and prior to occupancy.

Asbestos Surface Sampling

Asbestos settled dust sampling was performed in at least two locations (north and south) on each floor of the building (except the Penthouse (no access) and Basement). A total of 21 samples were analyzed by the accredited asbestos laboratory using polarized light microscopy (PLM).

20 samples had no asbestos detected. One sample had trace (i.e., less than 1%) asbestos content. The trace sample was taken from the carpet in Room 527. The room window was left open during the disaster and the floor and room contents are covered with dust.

Re: Environmental Testing

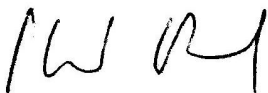
Page 5 of 5

Similar dust conditions were observed in the southwest corner of the second floor, and in the Women's Toilet on the 5th and 6th floors. In each of these locations the windows were left open and surfaces are covered with dust. H. A. Bader Consultants will be performing a thorough visual inspection in the near future to identify additional areas within the building which may have also been subjected to excessive dust infiltration. The areas with excessive dust should be thoroughly wet cleaned and/or HEPA vacuumed. Porous surfaces (carpeting, upholstered furniture, etc.) which can not be thoroughly cleaned should be discarded. All asbestos cleanups should be performed by certified asbestos handlers. Post asbestos testing should be performed prior to re-occupancy.

This testing indicates that with the exception of localized areas with open windows, asbestos contamination is not present on surfaces in the interior of the building. As a precaution, prior to re-occupancy all horizontal surfaces in the building should be wet cleaned and/or HEPA vacuumed. This work can be performed by regular cleaning personnel.

The air samples indicate that at the current time it is safe for essential personnel to occupy the building. The HVAC systems should not be operated until they are cleaned and retested. If you have any questions, please call.

Sincerely,

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

Howard A. Bader, P.E.
President

H.A. Bader Consultants, Inc.
88 Bleecker Street, Suite 4E
New York, New York 10012
(212) 475 - 4122

PROJECT NAME: DC 37
PROJECT ADDRESS: 125 Barclay Street, NY, NY.
TAKEN BY: RM + HB

ASBESTOS AIR SAMPLING

DATE 2001	SAMPLE LOCATION	PUMP NUMBER	SAMPLE NUMBER	FLOW RATE (L/MIN)	START TIME	STOP TIME	TOTAL TIME	TOTAL VOLUME	A	M	I	O	P	B	S	R	C	F	E
9/25	1st Floor	55	D1	10	1224	1429	125	1250	X					X					X
9/25	2nd Floor	64	D2	10	1221	1426	125	1250	X					X					X
9/25	3rd Floor	51	D3	10	1219	1442	143	1430	X					X					X
9/25	4th Floor	5	D4	10	1217	1441	144	1440	X					X					X
9/25	5th Floor	65	D5	10	1214	1439	145	1450	X					X					X
9/25	6th Floor	51	D6	10	940	1155	135	1350	X					X					X
9/25	7th Floor	64	D7	10	942	1159	137	1370	X					X					X
9/25	8th Floor	65	D8	10	946	1201	135	1350	X					X					X
9/25	9th Floor	5	D9	10	949	1202	133	1330	X					X					X
9/25	10th Floor	55	D10	10	950	1204	134	1340	X					X					X
9/25	Field Blank	—	D11	—	—	—	—	—											
9/25	Field Blank	—	D12	—	—	—	—	—											

A = Air Sampling
M = Micro-Vacuum Sampling
I = Inside Work Area

O = Outside Work Area
P = Pre Air Sampling
B = Baseline/Ambient

S = Preparation
R = During Removal
C = Cleanup

F = Final Air Test
E = Pumps Calibrated at Start/Finish

Page 01 of 01

New York Lab

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88 Bleecker St
Suite 4E
New York, NY 10012

Fax: (212) 477-8941

Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104913

EMSL Project ID:

Analysis Date: 9/26/01

**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)	# Structure		Analytical Sensitivity (S/cc)	Asbestos Concentration		Notes
					0.5µ - 5	5µ		(S/mm ²)	(S/cc)	
010 30104913-0001	1340.00	0.0625	5	Chrysotile	0	1	0.0046	16	0.0046	
09 30104913-0002	1330.00	0.0625	3	None Detected			0.0046	<16.00	<0.0046	
08 30104913-0003	1350.00	0.0625	2	None Detected			0.0046	<16.00	<0.0046	
07 30104913-0004	1370.00	0.0625	7	Chrysotile	1	0	0.0045	16	0.0045	
06 30104913-0005	1350.00	0.0625	2	None Detected			0.0046	<16.00	<0.0046	
05 30104913-0006	1350.00	0.0625	1	None Detected			0.0046	<16.00	<0.0046	
04 30104913-0007	1440.00	0.0625	5	None Detected			0.0043	<16.00	<0.0043	
03 30104913-0008	1430.00	0.0625	5	None Detected			0.0043	<16.00	<0.0043	
02 30104913-0009	1250.00	0.0625	2	None Detected			0.0049	<16.00	<0.0049	
01 30104913-0010	1250.00	0.0625	1	None Detected			0.0049	<16.00	<0.0049	

Jim Hall

Analyst



Laboratory Manager
or other approved signatory

Disclaimers: 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 EMSL. This report must not be used to claim product endorsement by NVLAP or any 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 analysts' accuracy and precision) is available upon request.

Accredited for NVLAP PLM/TEM #101048-9, NY State ELAP #11506

TEMAHERA-1

1

New York Lab

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Project: DC 37/ 125 Barclay Street, New York, N.Y.

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:40 PM

EMSL Order: 030104915

EMSL Project ID:

Lead in Wipes by Flame AAS (SW 846, 7420)

Client Sample Description	Lab ID	Analyzed	Area	Lead Concentration	Notes
D301 10th FL N. Floor Tile 12x12	0001		n/a	<10.0 µg/wipe	
D302 10th Fl. S. Floor Tile 12x12	0002		n/a	<10.0 µg/wipe	
D303 Field Blank	0003		n/a	<10.0 µg/wipe	
D304 9th Fl. N. F. T. 12x12	0004		n/a	<10.0 µg/wipe	
D305 9th Fl. S. Window Sill Interior 12x12	0005		n/a	<10.0 µg/wipe	
D306 8th fl. S. FT 12x12	0006		n/a	<10.0 µg/wipe	
D307 8th fl. S. Desk 12x12	0007		n/a	<10.0 µg/wipe	
D308 7th Fl. N. 12x12 FT	0008		n/a	<10.0 µg/wipe	
D309 7th Fl S. 12x12 FT	0009		n/a	<10.0 µg/wipe	
D310 6th Fl N. 12x12 FT	0010		n/a	<10.0 µg/wipe	
D311 6th Fl S. 12x12 FT	0011		n/a	<10.0 µg/wipe	
D312 1st Fl. S. Entrance 12x12 Stone Floor	0012		n/a	<10.0 µg/wipe	
D313 1st Fl. N. Entrance 12x12 Stone Floor	0013		n/a	<10.0 µg/wipe	
D314 2nd Fl N. 12x12 FT	0014		n/a	<10.0 µg/wipe	
D315 2nd Fl S. 12x12 FT	0015		144 in ²	69.0 µg/ft ²	
D316 5th Fl. Exec. Office 527 12x12 Table Top	0016		144 in ²	41.0 µg/ft ²	
D317 5th Fl N. 12x12 Desk	0017		n/a	<10.0 µg/wipe	
D318 5th Fl S. 12x12 File Cabinet	0018		n/a	<10.0 µg/wipe	
D319 4th Fl. N. 12x12 FT	0019		n/a	<10.0 µg/wipe	
D320 4th Fl. S. 12x12 FT	0020		n/a	<10.0 µg/wipe	
D321 3rd Fl. N. 12x12 FT	0021		n/a	<10.0 µg/wipe	
D322 3rd Fl. S. 12x12 FT	0022		n/a	<10.0 µg/wipe	
D323 Field Blank	0023		n/a	<10.0 µg/wipe	

New York Lab

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Project: DC 37 / 125 Barclay Street, NY, NY / Revised Report
8/26/01

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104914

EMSL Project ID:

Analysis Date: 9/26/2001

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D101 030104914-0001	10th Fl Carpet Rm 1001 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	15.00% Quartz 40.00% Non-fibrous (other)	None Detected
D102 030104914-0002	10th Fl Carpet Rm 1000 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 40.00% Cellulose	10.00% Quartz 40.00% Non-fibrous (other)	None Detected
D103 030104914-0003	9th Fl Carpet Rm 980 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 30.00% Cellulose	10.00% Quartz 50.00% Non-fibrous (other)	None Detected
D104 030104914-0004	9th Fl Carpet Rm 901 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	10.00% Quartz 45.00% Non-fibrous (other)	None Detected
D105 030104914-0005	8th Fl Carpet Rm 811 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 30.00% Cellulose	10.00% Quartz 50.00% Non-fibrous (other)	None Detected
D106 030104914-0006	8th Fl Carpet Rm 814 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 45.00% Cellulose	10.00% Quartz 35.00% Non-fibrous (other)	None Detected
D107 030104914-0007	7th Fl Carpet Rm 730 N	Gray Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 40.00% Cellulose	10.00% Quartz 35.00% Non-fibrous (other)	None Detected
D108 030104914-0008	7th Fl Carpet Rm 780 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 45.00% Cellulose	5.00% Quartz 40.00% Non-fibrous (other)	None Detected
D109 030104914-0009	6th Fl Carpet Rm 640 Middle	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	55.00% Non-fibrous (other)	None Detected
D110 030104914-0010	6th Fl Carpet Rm 640 Middle	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 25.00% Cellulose	65.00% Non-fibrous (other)	None Detected

Williams John

Analyst



Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

PLM Print Count-1

09/28/2001 21:14

212-290-0000

New York Lab

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Phone: 212-475-4122

Project: DC 37 / 125 Barclay Street, NY, NY / Revised Report
9/26/01

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104914

EMSL Project ID:

Analysis Date: 9/26/2001

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D111 030104914-0011	1st FL Walk off Matt S	Brown Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 25.00% Cellulose	55.00% Non-fibrous (other)	None Detected
D112 030104914-0012	1st FL Walk off Matt N	Brown Fibrous Heterogeneous	Teased Dissolved	20.00% Glass 30.00% Cellulose	50.00% Non-fibrous (other)	None Detected
D113 030104914-0013	2nd FL Carpet Room N	Gray Fibrous Heterogeneous	Teased Dissolved	35.00% Glass 30.00% Cellulose	35.00% Non-fibrous (other)	None Detected
D114 030104914-0014	2nd FL Carpet Room S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 35.00% Cellulose	55.00% Non-fibrous (other)	None Detected
D115 030104914-0015	5th FL Exec. Office 527 Carpet VV	Tan Fibrous Heterogeneous	Teased Dissolved	30.00% Glass 25.00% Cellulose	45.00% Non-fibrous (other)	<1% Chrysotile
D116 030104914-0016	5th FL Carpet Rm 501A N	Gray Fibrous Heterogeneous	Teased Dissolved	50.00% Cellulose	50.00% Non-fibrous (other)	None Detected
D117 030104914-0017	5th FL Carpet Rm 540 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 40.00% Cellulose	50.00% Non-fibrous (other)	None Detected
D118 030104914-0018	4th FL Carpet Rm 415 N	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 50.00% Cellulose	40.00% Non-fibrous (other)	None Detected
D119 030104914-0019	4th FL Carpet Rm 407 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 45.00% Cellulose	45.00% Non-fibrous (other)	None Detected
D120 030104914-0020	3rd FL Carpet Rm 301 N	Gray Fibrous Heterogeneous	Teased Dissolved	15.00% Glass 45.00% Cellulose	40.00% Non-fibrous (other)	None Detected

Williams John

Analyst

Eric Bader
Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

PLM Print Count-1

New York Lab

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Project: DC 37 / 125 Barclay Street, NY, NY / Revised Report
9/26/01

Customer ID: HAB50
Customer PO:
Received: 09/25/01 5:00 PM

EMSL Order: 030104914
EMSL Project ID:

Analysis Date: 9/26/2001

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	<u>Non-Asbestos</u>		<u>Asbestos</u>
				% Fibrous	% Non-Fibrous	% Type
D121 030104914-0021	3rd Fl CarpetRm 319 S	Gray Fibrous Heterogeneous	Teased Dissolved	10.00% Glass 55.00% Cellulose	35.00% Non-fibrous (other)	None Detected
D122 030104914-0022	Field Blank	White Fibrous Homogeneous	Teased Dissolved	98.00% Cellulose	2.00% Non-fibrous (other)	None Detected
D123 030104914-0023	Field Blank	White Fibrous Homogeneous	Teased Dissolved	98.00% Cellulose	2.00% Non-fibrous (other)	None Detected

Williams John

Analyst



Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

PLM Print Count-1

New York Lab

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Project: DC 37 / 125 Barclay Street, NY, NY

Customer ID: HAB50

Customer PO:

Received: 09/25/01 5:00 PM

EMSL Order: 030104916

EMSL Project ID:

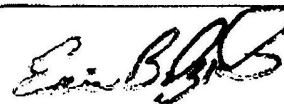
Analysis Date: 9/25/01

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

Sample	Location	Appearance	Treatment	Non-Asbestos		Asbestos
				% Fibrous	% Non-Fibrous	% Type
D201 030104916-0001	10th FIMER N sill Window	Gray Fibrous Heterogeneous	Dissolved Teased	40.00% Min. Wool 13.00% Cellulose	45.90% Non-fibrous (other)	1.10% Chrysotile
D202 030104916-0002	10th FIMER N AC 5 Condenser Duct	Gray Fibrous Heterogeneous	Dissolved Teased	62.00% Min. Wool 8.00% Cellulose	30.00% Non-fibrous (other)	<1% Chrysotile
D203 030104916-0003	10th FIMER S AC 1 Condenser Duct	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 5.00% Cellulose	25.50% Non-fibrous (other)	4.50% Chrysotile
D204 030104916-0004	8th FIMER N Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 10.00% Cellulose	30.00% Non-fibrous (other)	<1% Chrysotile
D205 030104916-0005	8th FIMER N AC5 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	5.00% Glass 15.00% Cellulose	60.00% Quartz 20.00% Non-fibrous (other)	None Detected
D206 030104916-0006	9th FIMER S Exterior Window Sill	Gray Fibrous Heterogeneous	Dissolved Teased	45.00% Min. Wool 15.00% Cellulose	40.00% Non-fibrous (other)	None Detected
D207 030104916-0007	8th FIMER S AC5 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	50.00% Min. Wool 15.00% Cellulose	35.00% Non-fibrous (other)	<1% Chrysotile
D208 030104916-0008	8th FIMER N AC4 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	65.00% Min. Wool 15.00% Cellulose	20.00% Non-fibrous (other)	<1% Chrysotile
D209 030104916-0009	8th FIMER N AC5 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 10.00% Cellulose	30.00% Non-fibrous (other)	<1% Chrysotile
D210 030104916-0010	7th FIMER S AC3 Cond Duct	Gray Fibrous Heterogeneous	Dissolved Teased	60.00% Min. Wool 15.00% Cellulose	25.00% Non-fibrous (other)	<1% Chrysotile

Ram Yallabandi

Analyst



Laboratory Manager
or other approved signatory

PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government.

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