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TESTWELL℠
LABORATORIES, INC.

Initial Investigation
and
Baseline Samples

The Millennium Hilton Hotel
55 Church Street
New York, New York

for

Bovis Lend Lease
200 Park Avenue
New York, New York

by

TESTWELL LABORATORIES, INC.
47 Hudson Street
Ossining, NY 10562
(914) 944-2570

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STONEHILL & TAYLOR
ARCHITECTS AND PLANNERS

February 15, 2002

Via fax 718-585-4422

R. Radharkrishnan, P.E.
Director – Asbestos Control Program
The City of New York
Department of Environmental Protection
59-17 Junction Boulevard
Corona, NY 11368-5107

Re: Millennium Hilton, 41-51 Church St., 172-184 Fulton St.

Dear Mr. Radhakrishnan,

We are the Project Architects retained by CDL Limited for the Millennium Hilton restoration. This letter is a response to your February 12, 2002 letter requesting copies of our files regarding our asbestos and other hazardous substance testing and abatement program. As we have just received a copy of your request, we will be sending you all the information by the end of next week.

All work at the property is being handled by Bovis Lend Lease. The Project Manager is Michael Deane (Phone # 212-592-6912). The asbestos testing and protocols are being handled by Testwell-Craig. We will instruct them to send our complete program record and status for your files.

Sincerely,

Paul Taylor, A.I.A.

cc: Paul Underhill
Michael Deane – Bovis Lend Lease

270 LAFAYETTE STREET
NEW YORK, NEW YORK 10012
TEL 212 226-8898 FAX 212 941-1874
email@stonehilltaylor.com

NYC-WTC_000103890

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The City of New York
Department of Environmental Protection
59-17 Junction Boulevard
Corona, New York
11368-5107

Joel A. Miele Sr., P.E.
Commissioner

Robert C. Avaltroni
Deputy Commissioner
Bureau of
Environmental Compliance
Tel (718) 595-4416
Fax (718) 595-4422

February 12, 2002

CDL (NY) Limited LP DBA The Millenium Hilton
55 Church Street
New York, NY 10007-2910

Subject: 20 DEY STREET
Millenium Hilton, 41-51 Church St, 172-184 Fulton St

Dear Sir/ Madam:

In September 2001, the New York City Department and Environmental Protection (NYC DEP) and the Department of Health (NYC DOH) advised building owners regarding building maintenance and re-occupancy issues following the collapse of the World Trade Center. The steps included the professional assessment of building contamination for possible hazardous components, including asbestos, and a retrospective filing, as required, if applicable.

The NYC DEP is hereby requesting copies of the environmental hazard assessments including bulk sample results and air monitoring results and a summary of clean-up activities at the above referenced site. Please forward the requested documents to our offices within FIVE BUSINESS DAYS. They may be faxed to (718) 595-3744 or sent to the NYC DEP Asbestos Control Program at 59-17 Junction Boulevard, 4th floor, Corona, New York 11373-5108.

Please be advised building owners are responsible for the cleaning of building exteriors, grounds, and common areas. Due to changing conditions and continued activity at Ground Zero, building owners should periodically assess the condition of building exteriors and air conditioning systems for cleanliness and may have to periodically re-clean areas. Adherence to proper cleaning methods is important for the protection of public health and the environment. DEP inspectors will be following up on this matter.

If you have any questions, you may reach the Department at (718) 595-3682 during office hours or the 24-hour Help Center at (718) DEP-HELP. DEP staff is available to provide guidance and technical assistance.

Sincerely,

R. Radhakrishnan, P.E.
Director
Asbestos Control Program

NYC-WTC_000103891

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ASBESTOS INSPECTION AND SAMPLING REPORT

AT

MILLENNIUM HILTON HOTEL
55 CHURCH STREET
NEW YORK, NEW YORK

OCTOBER 16, 2001

PREPARED BY:

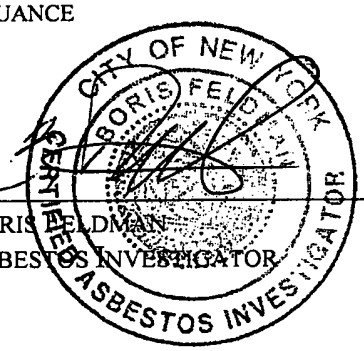
TESTWELL LABORATORIES, INC.
47 HUDSON STREET
OSSINING, NEW YORK 10562

PREPARED FOR:

BOVIS LEND LEASE LMB, INC.
200 PARK AVENUE
NEW YORK, NEW YORK 10166

SERVICES PERFORMED BY TESTWELL LABORATORIES, INC. AND SUMMARIZED IN THIS REPORT HAVE BEEN CONDUCTED IN ACCORDANCE WITH 40 CFR 763 (AHERA), US EPA SIMPLIFIED SAMPLING SCHEME, 12 NYCRR PART 56 "ASBESTOS" AND 15 RCNY

THE UNDERSIGNED HAS REVIEWED THIS REPORT AND CERTIFIES TO BOVIS LEND LEASE LMB, INC. AND THEIR RESPECTIVE CLIENT(S) THAT THE INFORMATION PROVIDED IN THIS REPORT IS ACCURATE AS OF THE DATE OF ISSUANCE



BORIS FELDMAN
ASBESTOS INVESTIGATOR

CHARLES SCHNUGG
ENVIRONMENTAL DIVISION MANAGER

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ASBESTOS INSPECTION AND SAMPLING REPORT

AT

MILLENNIUM HILTON HOTEL
55 CHURCH STREET
NEW YORK, NEW YORK

PREPARED FOR

MR. MICHAEL DEANE
BOVIS LEND LEASE LMB, INC.
200 PARK AVENUE
NEW YORK, NEW YORK

OCTOBER 16, 2001

PREPARED BY:

TESTWELL[SM]
LABORATORIES, INC.
TOTAL COMMITMENT TO QUALITY

47 HUDSON STREET
OSSINING, NEW YORK 10562
PROJECT NO. MBO-025AB

ENVIRONMENTAL DIVISION
TELEPHONE: (914) 944-2570
FACSIMILE: (914) 941-4154

MATERIALS TESTING DIVISION
TELEPHONE: (914) 762-9000
FACSIMILE: (914) 762-9638

Visit our website at: WWW.TESTWELLLABS.COM

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TABLE OF CONTENTS

SECTION NO.	SUBJECT	PAGE
1.0	EXECUTIVE SUMMARY	4
2.0	PURPOSE/INTENT	6
3.0	INSPECTION	6
4.0	SAMPLING OF SUSPECT MATERIALS	6
5.0	CONCLUSIONS/RECOMMENDATIONS	7

APPENDIXES

APPENDIX A	LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY (BULK SAMPLING)
APPENDIX B	LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY (AIR SAMPLING)
APPENDIX C	PHOTOGRAPHS
APPENDIX D	COMPANY CERTIFICATIONS AND CREDENTIALS OF INSPECTORS
APPENDIX E	LABORATORY ACCREDITATIONS / CERTIFICATIONS

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1.0 EXECUTIVE SUMMARY

An inspection of the site was performed on September 20 and 28 to 30, 2001 by Boris Feldman, Tej Chhetry, Mikhail Sokolinskiy and Oleg Koledenkov of Testwell Laboratories, Inc. (TL). All TL personal is licensed by the New York State Department of Labor (NYS DOL) and New York City Department of Environmental Protection (NYC DEP) to perform work with asbestos containing materials. Credentials of TL personal are attached in Appendix C of this report.

The TL inspection was performed to evaluate the asbestos contamination of the Millennium Hilton Hotel building interior after the events related to the World Trade Center on September 11, 2001. The area of inspection included the guest rooms, office spaces, meeting rooms, mechanical areas and staircases on all 56 building floors.

The indoor air quality air test for asbestos was performed on the all building floors with the exception of the mechanical floors 56 and 6 using aggressive sampling techniques to re-entrain settled dust and simulate activity in that area of the building. All air samples were analyzed via Transmission Electron Microscopy (TEM) method. Bulk sampling of the accumulated dust and debris was performed on the all building floors. All dust/debris samples were analyzed using Polarized Light Microscopy (PLM) method.

The US Environmental Protection Agency (US EPA) definition of Asbestos-Containing material (ACM) is: "Any material, which contain asbestos more than 1% by weight". The US EPA post abatement clearance criteria are 70 structures/mm^2 by TEM.

The laboratory analysis confirmed presence of asbestos in the dust/debris more than 1% in the following areas:

LOCATION	% ASBESTOS	SPACE CONDITION
55th Fl. Elevator lobby	10.25%	No damage
54th Fl. Rm. 5408	4.16%	No damage
25th Fl. Rm. 2509	1.27%	Window was open
20th Fl. Rm. 2107	2.07%	Window was open
19th Fl. Rm.1906	2.14%	Window was open
14th Fl. Rm. 1409	1.3%	No damage
12th Fl. Rm. 1202	7.41%	Broken glass
8th Fl. Rm. 801	5.06%	No damage
56th Fl. Mechanical Rm.	1.08%	No damage

Complete bulk sample laboratory analysis data sheets are attached in Appendix A of this report.

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The laboratory analysis confirmed presence of asbestos in the air more than 70 structures/mm² in the following areas:

LOCATION	STRUCTURES/MM²	SPACE CONDITION
53rd Floor	up to 110.19	Some room's windows were open
52nd Floor	up to 123.97	No damage
48th Floor	up to 82.64	No damage
45th Floor	up to 123.97	No damage
44th Floor	up to 96.42	No damage
43rd Floor	up to 110.19	No damage
42nd Floor	up to 206.61	No damage
41st Floor	up to 220.39	No damage
40th Floor	up to 192.84	No damage
39th Floor	up to 96.42	No damage
38th Floor	up to 330.58	No damage
36th Floor	up to 192.84	No damage
35th Floor	up to 123.97	No damage
34th Floor	up to 137.74	No damage
32nd Floor	up to 151.52	No damage
31st Floor	up to 82.64	No damage
29th Floor	up to 1377.41	No damage
28th Floor	up to 234.16	No damage
27th Floor	up to 110.19	No damage
26th Floor	up to 206.61	No damage
25th Floor	Overload/Considered more than70	No damage
24th Floor	up to 165.69	No damage
23rd Floor	up to 316.80	No damage
22nd Floor	up to 165.69	No damage
21st Floor	up to 247.93	No damage
20th Floor	up to 110.19	No damage
19th Floor	up to 137.74	No damage
18th Floor	up to 110.19	No damage
17th Floor	up to 151.52	Broken glass in some rooms
16th Floor	up to 206.61	No damage
15th Floor	up to 137.74	No damage
14th Floor	up to 234.16	No damage
12th Floor	up to 82.64	No damage
11th Floor	up to 192.84	Broken glass in some rooms
10th Floor	up to 247.93	No damage
4th Floor	up to 151.52	Severe damaged
Lobby	up to 137.74	Severe damaged

Complete air sample laboratory analysis data sheets are attached in Appendix B of this report.

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2.0 PURPOSE/INTENT

The Millennium Hilton Hotel is planning a restoration of the services after the events related to theWorld Trade Center disaster on September 11, 2001. TL was retained by Bovis Lend Lease LMB, Inc. to perform the evaluation of the Indoor Air Quality inn the Hotel building. The asbestos inspection, air sampling and bulk sampling for asbestos contain, if any, were performed during this evaluation.

3.0 INSPECTION

An inspection of the site was performed on September 20 and 28 to 30, 2001 by Boris Feldman, Tej Chhetry, Mikhail Sokolinskiy and Oleg Koledenkov of Testwell Laboratories, Inc. (TL). All TL personal is licensed by the New York State Department of Labor (NYS DOL) and New York City Department of Environmental Protection (NYC DEP) to perform work with asbestos containing materials. Credentials of TL personal are attached in Appendix C of this report.

The following observations were made during the inspection:

- The Millennium Hilton Hotel was built in 1992, and the possibility that ACM were used during the construction is very small.
- Severe damage to the building is noticed on floors from 1 (Lobby) to 5, where almost all exterior glass on the west façade is broken. Broken glass was observed throughout the west façade up to the 53rd floor (R. 5303).
- The heaviest accumulation of the dust and debris in the building's corridors on the guest rooms floors was observed at the elevators lobbies and the staircases. Some of the windows in the guest rooms were opened at the time of WTC collapse, which also caused heavy dust and debris contamination.
- As per building personnel statement, the building's HVAC system was in operation during and right after the WTC collapse.

Existing building interior condition photographs during the TL inspection are attached in the Appendix B of this report.

4.0 SAMPLING OF SUSPECT MATERIALS

Bulk sampling of suspect ACM was performed in accordance with protocol contained in the Asbestos Hazard Emergency Response Act of 1986 (40 CFR 763 AHERA). Unless otherwise noted, a minimum of three (3) samples was collected from each type of homogeneous material identified.

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Samples were placed into leak-tight plastic sample containers, carefully noting the location and material sampled and stored for transport to the laboratory facility. A chain-of-custody and analysis requested was initiated for all samples collected.

Samples were analyzed by Polarized Light Microscopy (PLM) in accordance with the Environmental Protection Agency's Interim Method for the Detection of Asbestos in Bulk Insulation Samples (EPA-600/M4-82020, December 1982) and the McCrone Research Institute's The Asbestos Particle Atlas as method reference.

The Indoor Air Quality Test for asbestos was performed utilizing the "Measuring Airborne Asbestos Following an Abatement Action" procedure issued by US EPA (November 1985). The aggressive sampling procedure was employed: before the sampling pumps were started the forced air equipment was used to direct exhaust air against all walls, floors, ledges and other surfaces in the work area for at least 5 minutes per 1,000 square feet of the floor area; then immediately after the low speed air fans were turned on pointed toward the ceiling. Total of 1,250 liters of air was taken at each point of sampling as required by 15 RCNY – New York City Asbestos Control Program Rules and Regulations. The air test samples were taken using 25 mm cassette with MCE filters with 0.45+5 μm pore size.

Air samples were analyzes and reported in accordance with the Electron Microscopy Methods set forth at 40 CFR part 763, Subpart E, Appendix A.

6.0 CONCLUSIONS/RECOMMENDATIONS

Based on our observation at the site and the laboratory analysis results, we have determined asbestos fiber concentration in the Millennium Hilton Hotel building exceeds the present standard set forth by US EPA and NYC DEP. The inspection also confirms presence of asbestos more than 1% by weight in the dust and debris throughout the building. Based on concentration of asbestos fibers present, we recommended that elevators shafts, stairways and mechanical areas in the building should be HEPA vacuumed and wet clean. All porous materials in the building such as carpeting, draperies, linens and textured wall coverings, should be removed and disposed of as asbestos contaminated waste. After completion of the removal and following cleaning work the Hotel's interior should be subject to clearance air sampling.

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APPENDIX A

LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY (BULK SAMPLING)

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TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Lend Lease**

PROJECT: Millennium Hilton Hotel
Church Street
New York, New York

Project No: MBO-025AB
Collected By: Boris Feldman
Date Sampled: 09/20/01
Date Analyzed: 09/21/01
PLM Analyst: *V. Binchkauskas*
TEM Analyst:

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
1	01PLM # 7842	11th Floor-Room 1102-Broken Windows Debris on Floor	Friable	**Chrysotile = <1%** **Cellulose = 10%** **Non - Fibrous = 24%** **Fiberglass=65%**
2	01PLM # 7843	11th Floor-Elevator Lobby-Debris on Floor	Friable	**Fiberglass=65%** **Cellulose = 5%** **Non - Fibrous = 30%**
3	01PLM # 7844	11th Floor-Room 1106-Dust on Furniture	Friable	**Fiberglass=20%** **Cellulose = 20%** **Non - Fibrous = 60%**
4	01PLM # 7845	14th Floor-Room 1407-Broken Window Debris on Furniture	Friable	**Chrysotile = <1%** **Cellulose = 10%** **Non - Fibrous = 44.48%** **Fiberglass=45%**
5	01PLM # 7846	14th Floor-Room 1409-Dust on Furniture	Friable	**Chrysotile = 1.3%** **Cellulose = 15%** **Non - Fibrous = 43.7%** **Fiberglass=40%**
6	01PLM # 7847	14th Floor-Elevator Lobby-Debris On Floor	Friable	**Not Analyzed - Homogenous Area**
7	01PLM # 7848	17th Floor-Room 1705-Broken Window Debris on Floor	Friable	**Chrysotile = <1%** **Cellulose = 10%** **Non - Fibrous = 39.75%** **Fiberglass=60%**
8	01PLM # 7849	17th Floor-Stair by Ice Machine-Dust on Ice Machine	Friable	**Chrysotile = <1%** **Cellulose = 80%** **Non - Fibrous = 9.48%** **Fiberglass=10%**
9	01PLM # 7850	17th Floor-Corridor-Dust in Corridor	Friable	**Fiberglass=50%** **Cellulose = 3%** **Non - Fibrous =47%**
10	01PLM #7851	18th Floor-Room1807-Dust on Window Frame	Friable	**Chrysotile=<1%** **Cellulose=20%** **Non - Fibrous = 39.75%** **Fiberglass=30%**

AIHA NVLAP

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of ____

Client: BOVIS
Project Site: MILLENIUM HILTON
Project Address: ____
Report to: MIKE DEANE FAX 212 592-6488
Name Company Phone 592-6400 Tel/Fax
Date Analyzed: 9/21/01 Analyst: (PLM) Volpe
Date Analyzed: ____ Analyst: (TEM) ____

Project #: MBU-08.25HB
Date: 9-20-01
Inspector: B. BEAMAN
Signature: B Beaman

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: 01 PLM NUMBER	LAB USE ONLY: ____ TEM NUMBER	LAB USE ONLY: (+) (-)	
01	11	Rm 1102	1	1	BROKEN WINDOWS DEBRIS ON FLOOR	N	F	GRAY		7842		—	<1%
02	↓	ELEVAT LOBBY	↓	2	DEBRIS ON FLOOR					7843		—	
03	↓	Rm 1106	↓	3	DUST ON FURNITURE					7844		—	
04	12	Rm 1407	2	1	BROKEN WINDOW DEBRIS ON FURNITURE					7845		—	<1%
05	↓	Rm 1409	↓	2	DUST ON FURNITURE					7846		+	
06	↓	ELEVATORS LOBBY	↓	3	DEBRIS ON FLOOR					7847			
07	17	Rm 1705	3	1	BROKEN WINDOW DEBRIS ON FLOOR					7848		—	<1%
08	↓	STAIR B ICE MACHINE	↓	2	DUST ON ICE MAKER					7849		—	<1%
09	↓	CORRIDOR	↓	3	DUST IN CORRIDOR					7850		—	
10	18	Rm 1807	4	1	DUST ON WINDOW FRAME					7851		—	<1%

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B Beaman	9-20-01				
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
			J. Yarmoo	9/21/01	8:30 AM

Turnaround Time: (8HR) 24HR 48HR 72HR
OTHER: ____ (must be dated on time)
Stop at 1st Positive per homogeneous material? (Yes) or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

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TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Lend Lease

PROJECT: Millennium Hilton Hotel
Church Street
New York, New York

Project No: MBO-025AB
Collected By: Boris Feldman
Date Sampled: 09/20/01
Date Analyzed: 09/21/01
PLM Analyst: *V. Binchkauskas*
TEM Analyst:

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
11	01PLM # 7852	18th Floor-Corridor-Dust on Floor	Friable	**Chrysotile = <1%** **Cellulose = 25%** **Non - Fibrous = 44.74%** **Fiberglass=30%**
12	01PLM # 7853	18th Floor-Elevator Lobby-Dust on Floor	Friable	**Chrysotile = <1%** **Cellulose = 10%** **Non - Fibrous = 39.74%** **Fiberglass=50%**
13	01PLM # 7854	9th Floor-Room 903-Broken Window Debris on Floor	Friable	**Fiberglass=50%** **Cellulose = 30%** **Non - Fibrous = 20%**
14	01PLM # 7855	9th Floor-Room 907-Dust on Window Frame	Friable	**Chrysotile = <1%** **Cellulose = 30%** **Non - Fibrous = 9.5%** **Fiberglass=60%**
15	01PLM # 7856	9th Floor-Elevator Lobby-Dust on Floor	Friable	**Fiberglass=50%** **Cellulose = 30%** **Non - Fibrous = 20%**
16	01PLM # 7857	5th Floor-Debris on Floor and Furniture	Friable	**Fiberglass=50%** **Cellulose = 20%** **Non - Fibrous = 30%**
17	01PLM # 7858	5th Floor-Debris on Floor and Furniture	Friable	**Fiberglass=50%** **Cellulose = 25%** **Non - Fibrous = 25%**
18	01PLM # 7859	5th Floor-Debris on Floor and Furniture	Friable	**Fiberglass=50%** **Cellulose = 30%** **Non - Fibrous = 20%**
19	01PLM # 7860	3rd Floor-Debris on Floor and Furniture	Friable	**Fiberglass=30%** **Cellulose = 30%** **Non - Fibrous =40%**
20	01PLM #7861	3rd Floor-Debris on Floor and Furniture	Friable	**Chrysotile=<1%** **Cellulose=30%** **Non - Fibrous = 19.5%** **Fiberglass=50%**

AIHA NVLAP

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 3

Client: BOVIS

Project Site: MILLENNUM HILTON

Project Address:

Report to:
Name Company Tel/Fax

Project #:

Date: 9-20-01

Inspector:

Signature:

Date Analyzed: 9/21/01 Analyst: (PLM) [illegible]

Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: 01 PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (-)	
11	18	CORRIDOR	4	2	DUST ON FLOOR	N	F	GRAY		7852		—	<1%
12	11	ELEVATOR LOBBY		3	11					7853		—	<
13	9	RM 903	5	1	BROKEN WINDOW DEBRIS ON FLOOR					7854		—	
14		RM 907		2	DUST ON WINDOWS FRAME					7855		—	<1%
15		ELEVATOR LOBBY		3	DUST ON FLOOR					7856		—	
16	5	ENTIRE	6	1	DEBRIS ON FLOOR AND FURNITURE					7857		—	
17				2						7858		—	
18				3						7859		—	
19	3		7	1	DEBRIS ON FLOOR AND FURNITURE					7860		—	
20	4		4	2						7861		—	<1%

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
[signature]	9-20-01		J. Jarwood	9/21/01	8:30 AM
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? (Yes) or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Lend Lease**

PROJECT: Millennium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/20/01
Date Analyzed:	09/21/01
PLM Analyst:	*D. McCarl*
TEM Analyst:	

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
21	01PLM # 7862	3rd Floor-Debris on Floor and Furniture	Friable	**Chrysotile = .025%** **Cellulose = 30%** **Fiberglass=50%** **Non - Fibrous = 19.75%**
22	MISSING	Lobby-Debris on Floor and Furniture	??	**Not Analyzed** **Sample Missing**
23	01PLM # 7863	Lobby-Debris on Floor and Furniture	Friable	**Chrysotile = .025%** **Cellulose = 30%** **Fiberglass=50%** **Non - Fibrous = 19.75%**
24	01PLM #7864	Lobby-Debris on Floor and Furniture	Friable	**Chrysotile = .025%** **Cellulose = 30%** **Fiberglass=50%** **Non - Fibrous = 19.75%**

AIHA NVLAP

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 3

Client: BOVIS

Project Site: MILLENIUM HILTON

Project Address:

Report to: Name Company Tel/Fax

Project #:

Date: 9-20-01

Inspector: B. FERGUSON

Signature:

Date Analyzed: 9/21/01 Analyst: (PLM)

Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (−)	
21	3	ENTIRE	7	3	DEBRIS ON FLOOR AND FURNITURE	N	F	GRAY		7862		—	<1%
22	LOBBY	↓	8	1	sample #s missing	↓	↓	↓		missing 7863			
23	↓	↓		2	↓	↓	↓	↓		7863		—	<1%
24	↓	↓		3	↓	↓	↓	↓		7864		—	<1%

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	9-20-01		J. Jarusso	9/21/01	8:30am
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/28/01
Date Analyzed:	09/29/01
PLM Analyst:	*J. Sudol*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
1	01PLM # 8032	Floor 55-Corridor-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=10% Fiberglass=70%**
2	01PLM # 8033	Floor 55-Room 5504-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=20% Fiberglass=60%**
3	01PLM # 8034	Floor 55-Elevator Lobby-Dust on Floor and Furniture	Friable	**Chrysotile=10.25 Non-Fibrous=61.55% Fiberglass=28.20%**
4	01PLM # 8035	Floor 54-Room 5402-Dust on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=30% Fiberglass=40%**
5	01PLM # 8036	Floor 54-Room 5406-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=50% Fiberglass=30%**
6	01PLM # 8037	Floor 54-Room 5408-Dust on Floor and Furniture	Friable	**Chrysotile=4.16 Non-Fibrous=62.51% Fiberglass=20.83% Cellulose=12.5%**
7	01PLM # 8038	Floor 53-Room 5307-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=60% Fiberglass=20%**
8	01PLM # 8039	Floor 53-Room 5306-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=20% Fiberglass=20%**
9	01PLM # 8040	Floor 53-Room 5301-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=80% Fiberglass=10%**
10	01PLM # 8041	Floor 52-Room 5203-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=60% Fiberglass=30%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

NVLAP

AIHA

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 1 of 5

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: _____ Name _____ Company _____ Tel/Fax

Project #: MBO -025AB

Date: 9-28-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 9/29 Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: 01 PLM NUMBER	LAB USE ONLY: TEM NUMBER	(+) (-)
01	55	CORRIDOR	1	1	DUST ON FLOOR AN FURNITURE					8032		-
02	↓	RM 5504	↓	2						8033		-
03	↓	ELEVATOR LOBBY	↓	3						8034		+
04	54	RM 5402	2	1						8035		-
05	↓	RM 5406	↓	2						8036		-
06	↓	RM 5408	↓	3						8037		+
07	53	RM 5307	3	1						8038		-
08		RM 5306	↓	2						8039		-
09		RM 5301	↓	3						8040		-
10	52	RM 5208	4	1	OPENED WINDOW					8041		-

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-28-01			9/29	0800
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? (Yes) or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS: Rm 5303 - BROWN CLOTH Asbs. 9/28/01

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease - LMB

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/28/01
Date Analyzed:	09/29/01
PLM Analyst:	*J. Sudol*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
11	01PLM # 8042	Floor 52-Room 5208-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=75% Fiberglass=5%**
12	01PLM # 8043	Floor 52-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=20% Fiberglass=60%**
13	01PLM # 8044	Floor 51-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=30% Fiberglass=60%**
14	01PLM # 8045	Floor 51-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=40% Fiberglass=50%**
15	01PLM # 8046	Floor 51-Room 5108-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=40% Fiberglass=40%**
16	01PLM # 8047	Floor 50-Room 5006-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=60% Fiberglass=20%**
17	01PLM # 8048	Floor 50-Room 5008-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=80% Fiberglass=10%**
18	01PLM # 8049	Floor 50-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=50% Fiberglass=30%**
19	01PLM # 8050	Floor 49-Room 4909-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=30% Fiberglass=50%**
20	01PLM # 8051	Floor 49-Room 4907-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=50% Fiberglass=30%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

NVLAP

AIHA

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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NYC 9/11 Public Portal Document

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Bulk Sample Data Chain of Custody Page 2 of 5

Client: BOVIS LEND LEASE, LMB
Project Site: MILLENIUM HILTON
Project Address: NEW YORK, NEW YORK
Report to: Name Company Tel/Fax

Project #: MBO-025AB
Date: 9-28-01
Inspector: BORIS FELDMAN
Signature: B. Feldman

Date Analyzed: 9/29 Analyst: (PLM)
Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: 01 PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (−)
11	52	Rm 5208	4	2	DUST ON FLOOR AND FURNITURE	N	F	GRAY		8042		−
12	4	ELEVATOR LOBBY	1	3						8043		−
13	51	ELEVATOR LOBBY	5	1						8044		−
14	↓	ICE MACHINE	↓	2						8045		−
15	↓	Rm 5108	↓	3						8046		−
16	50	Rm 5006	6	1						8047		−
17	↓	Rm 5108	↓	2						8048		−
18	↓	ELEVATOR LOBBY	↓	3						8049		−
19	49	Rm 4906	7	1						8050		−
20	48	Rm 4907	11	2						8051		−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-28-01			9/29/01	0130
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/28/01
Date Analyzed:	09/29/01
PLM Analyst:	*J. Sudol*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
21	01PLM # 8052	Floor49-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=50% Non-Fibrous=30% Fiberglass=20%**
22	01PLM # 8053	Floor 48-Room 4804-Dust on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=30% Fiberglass=40%**
23	01PLM # 8054	Floor 48-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=30% Fiberglass=50%**
24	01PLM # 8055	Floor 48-Room 4814-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=60% Fiberglass=30%**
25	01PLM # 8056	Floor 47-Room 4702-Dust on Floor and Furniture	Friable	**Cellulose=5% Non-Fibrous=65% Fiberglass=30%**
26	01PLM # 8057	Floor47-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=20% Fiberglass=60%**
27	01PLM # 8058	Floor 47-Room 4711-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=50% Fiberglass=30%**
28	01PLM # 8059	Floor 46-Room 4604-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=60% Fiberglass=30%**
29	01PLM # 8060	Floor 46-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=50% Non-Fibrous=30% Fiberglass=20%**
30	01PLM # 8061	Floor 46-Room 4611-Dust on Floor and Furniture	Friable	**Cellulose=40% Non-Fibrous=40% Fiberglass=20%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

AIHA NVLAP

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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Bulk Sample Data Chain of Custody Page 3 of 5

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: Name Company Tel/Fax

Project #: MBO -025AB

Date: 9-28-01

Inspector: BORIS FELDMAN

Signature:

Date Analyzed: 9/29/01 Analyst: (PLM)

Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (-)
21	49	ELEVATOR LOBBY	7	3	DUST ON FLOOR AND FURNITURE	N	F	GRAY		8052		—
22	48	RM 4807	8	1	OPEN WINDOW					8053		—
23	↓	ICE MACHINE	↓	2						8054		—
24	↓	RM 4814	↓	3						8055		—
25	47	RM 4708	9	1						8056		—
26	↓	ELEVATOR LOBBY	↓	2						8057		—
27	↓	RM 4711	↓	3						8058		—
28	46	RM 4604	10	1						8059		—
29	↓	ICE MACHINE	↓	2						8060		—
30	↓	RM 4611	↓	3						8061		—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	9-28-01			9/29/01	0800
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/28/01
Date Analyzed:	09/29/01
PLM Analyst:	*J. Sudol*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
31	01PLM # 8062	Floor 45-Room 4505-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=50% Fiberglass=40%**
32	01PLM # 8063	Floor 45-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=50% Fiberglass=30%**
33	01PLM # 8064	Floor 45-Iroom 4503-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=50% Fiberglass=30%**
34	01PLM # 8065	Floor 44-Room 4404-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=50% Fiberglass=30%**
35	01PLM # 8066	Floor 44-Room 4410-Dust on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=40% Fiberglass=30%**
36	01PLM # 8067	Floor 44-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=40% Non-Fibrous=10% Fiberglass=50%**
37	01PLM # 8068	Floor 43-Room 4302-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=40% Fiberglass=40%**
38	01PLM # 8069	Floor 43-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=30% Fiberglass=50%**
39	01PLM # 8070	Floor 43-Room 4310-Dust on Floor and Furniture	Friable	**Cellulose=40% Non-Fibrous=40% Fiberglass=20%**
40	01PLM # 8071	Floor 42-Ice Machine-Dust on Floor and Furniture	Friable	**Non-Fibrous=80% Fiberglass=20%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

Deborah McCarl-Laboratories Director

AIHA (as it pertains to bulk sample analysis under certification 200083-0)

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Bulk Sample Data Chain of Custody Page 4 of 5

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: _____ Name _____ Company _____ Tel/Fax

Project #: MBO-025AB

Date: 9-28-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 9/29 Analyst: (PLM) _____

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	(+) (-)
31	45	Rm 4505	11	1	DUST ON FLOOR AND FURNITURE	N	F	GREY		8061		-
32	"	ELEVATOR LOBBY	"	2	"	"	"	"		8063		-
33	"	Rm 4503	"	3	"	"	"	"		8064		-
34	44	Rm 4404	12	1	"	"	"	"		8065		-
35	"	Rm 4410	"	2	"	"	"	"		8066		-
36	"	ELEVATOR LOBBY	"	3	"	"	"	"		8067		-
37	43	Rm 4308	13	1	"	"	"	"		8068		-
38	"	ELEVATOR LOBBY	"	2	"	"	"	"		8069		-
39	"	Rm 4310	"	3	"	"	"	"		8070		-
40	42	ICE MACHINE	14	1	"	"	"	"		8071		-

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-28-01			9/29/01	0830
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? (Yes) or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/28/01
Date Analyzed:	09/29/01
PLM Analyst:	*J. Sudol*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
41	01PLM # 8072	Floor 42-Room 4206-Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=40% Fiberglass=40%**
42	01PLM # 8073	Floor 42-Room 4214-Dust on Floor and Furniture	Friable	**Cellulose=5% Non-Fibrous=55% Fiberglass=40%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

Deborah McCarl-Laboratories Director

AIHA (as it pertains to bulk sample analysis under certification 200083-0)

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NYC-WTC_000103915

NYC 9/11 Public Portal Document

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Bulk Sample Data Chain of Custody Page 5 of 5

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: Name Company Tel/Fax

Project #: MBO-025AB

Date: 9-28-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 9/29 Analyst: (PLM)

Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (-)
41	42	Rm 4206		2	DUST ON FLOOR AND FURNITURE	N	F	GREY		8072		—
42	42	Rm 4204		3	"	"	"	"		8073		—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-28-01			9/29/01	0800
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? (Yes) or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS: Rm 1,211 - BROKEN WINDOW

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/29/01
Date Analyzed:	10/02/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
43	01PLM # 8074	Floor 41-Elevator Lobby-Debris on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=30% Fiberglass=50%**
44	01PLM # 8075	Floor 41-Room 4109-Debris on Floor and Furniture	Friable	**Cellulose=60% Non-Fibrous=30% Fiberglass=10%**
45	01PLM # 8076	Floor 41-Room 4104-Debris on Floor and Furniture	Friable	**Cellulose=25% Non-Fibrous=65% Fiberglass=10%**
46	01PLM # 8077	Floor 40-Room 4107-Dust on Floor and Furniture	Friable	**Cellulose=40% Non-Fibrous=45% Fiberglass=15%**
47	01PLM # 8078	Floor 40-Room 4111-Dust on Floor and Furniture	Friable	**Cellulose=15% Non-Fibrous=70% Fiberglass=15% Other=Trace**
48	01PLM # 8079	Floor 40-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=15% Non-Fibrous=35% Fiberglass=50%**
49	01PLM # 8080	Floor 39-Room 3902-Dust on Floor and Furniture	Friable	**Cellulose=40% Non-Fibrous=45% Fiberglass=15% Other=Trace**
50	01PLM # 8081	Floor 39-Room 3907-Dust on Floor and Furniture	Friable	**Cellulose=35% Non-Fibrous=50% Fiberglass=15% Other=Trace**
51	01PLM # 8082	Floor 39-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=40% Non-Fibrous=30% Fiberglass=30%**
52	01PLM # 8083	Floor 38-Room 3803-Dust on Floor and Furniture	Friable	**Cellulose=25% Non-Fibrous=65% Fiberglass=10%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

NVLAP

AIHA

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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NYC-WTC_000103917

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Bulk Sample Data Chain of Custody Page 1 of 5

Client: BOVIS LEND LEASE, LMB
Project Site: MILLENIUM HILTON
Project Address: NEW YORK, NEW YORK
Report to: Name Company Tel/Fax

Project #: MBO-025AB
Date: 9-29-01
Inspector: BORIS FELDMAN
Signature: B. Feldman

Date Analyzed: 10/02/01 Analyst: (PLM) Volfan B
Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	(+) (−)
43	41	ELEVATOR LOBBY	1	1	DEBRIS ON FLOOR AND FURNITURE	Y	F	GRAY		8074		—
44	↓	RM4109	↓	2						8075		—
45	↓	RM4104	↓	3						8076		—
46	40	RM4107	2	1						8077		—
47	↓	RM4111	↓	2						8078		—
48	↓	ICE MACHINE	↓	3						8079		—
49	39	RM3902	3	1						8080		—
50	↓	RM3907	↓	2						8081		—
51	↓	ELEVATOR LOBBY	↓	3						8082		—
52	38	RM3803	4	1						8083		—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-29-01			09/29	21:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
	9/21	20:10			

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/29/01
Date Analyzed:	10/02/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
53	01PLM # 8084	Floor 38-Elevator Lobby-Debris on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=30% Fiberglass=50%**
54	01PLM # 8085	Floor 38-Room 3814-Debris on Floor and Furniture	Friable	**Cellulose=15% Non-Fibrous=75% Fiberglass=10% Other=Trace**
55	01PLM # 8086	Floor 37-Room 3703-Debris on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=75% Fiberglass=5% Other=Trace**
56	01PLM # 8087	Floor 37-Room 3708-Dust on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=65% Fiberglass=5% Other=Trace**
57	01PLM # 8088	Floor 37-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=25% Non-Fibrous=70% Fiberglass=5% Other=Trace**
58	01PLM # 8089	Floor 36-Room 3602-Dust on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=60% Fiberglass=10%**
59	01PLM # 8090	Floor 36-Room 3605-Dust on Floor and Furniture	Friable	**Cellulose=15% Non-Fibrous=75% Fiberglass=10% Other=Trace**
60	01PLM # 8091	Floor 36-Room 3610-Dust on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=63% Fiberglass=5% Other=2%**
61	01PLM # 8092	Floor 35-Room 3504Dust on Floor and Furniture	Friable	**Cellulose=45% Non-Fibrous=50% Fiberglass=5%**
62	01PLM # 8093	Floor 35-Elevator Lobby-Debris on Floor and Furniture	Friable	**Cellulose=40% Non-Fibrous=55% Fiberglass=5%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

Deborah McCarl-Laboratories Director

AIHA (as it pertains to bulk sample analysis under certification 200083-0)

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Bulk Sample Data Chain of Custody Page 2 of 5

Client: BOVIS LEND LEASE, LMB
Project Site: MILLENIUM HILTON
Project Address: NEW YORK, NEW YORK
Report to: _____ (Name / Company / Tel/Fax)

Project #: MBO -025AB
Date: 9-29-01
Inspector: BORIS FELDMAN
Signature: B. Feldman

Date Analyzed: 10/2/01 Analyst: (PLM) Joann B
Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	(+) (-)
53	38	ELEVATOR LOBBY	4	2	DEBRIS ON FLOOR AND FURNITURE	N	F	GRAY		80084		—
54	11	Rm 3814	4	3						80085		—
55	37	Rm 3703	5	1						80086		—
56	↓	Rm 3702	↓	2						80087		—
57	↓	ELEV. MACHINE	↓	3						80088		—
58	36	Rm 3602	6	1						80089		—
59	↓	Rm 3605	↓	2						80090		—
60	↓	Rm 3610	↓	3						80091		—
61	35	Rm 3504	7	1						80092		—
62	11	ELEVATOR LOBBY	1	2						80093		—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-29-01			9/29	21:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR
OTHER: _____ (must be dated on time)
Stop at 1st Positive per homogeneous material? (Yes) or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC-WTC_000103920

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody

Client: BOVIS LEND LEASE, LMB
Project Site: MILLENIUM HILTON
Project Address: NEW YORK, NEW YORK
Report to: Name Company Tel/Fax

Project #: MBO-025AB
Date: 9-[illegible]-01
Inspector: BORIS FELDMAN
Signature: B. Feldman

Date Analyzed: 10/2-10/3/01 Analyst: (PLM) John B
Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (−)
83	29	RM 2910	16	1	DUST ON FLOOR AND FURNITURE	N	F	GRAY		8114		—
84	↓	FURNITURE COVERED	↓	2		↓	↓	↓		8115		—
85	↓	RM 2905	↓	3		↓	↓	↓		8116		—
86	28	RM 2801	17	1		↓	↓	↓		8117		—
87	↓	RM 2806	↓	2		↓	↓	↓		8118		—
88	↓	ICE MACHINE	↓	3		↓	↓	↓		8119		—
89	27	RM 2712	16	1	OPEN WINDOW	↓	↓	↓		8120		—
90	↓	RM 2705	↓	2		↓	↓	↓		8121		—
91	↓	ICE MACHINE	↓	3		↓	↓	↓		8122		—
92	↓	INTAKE AIR LOUVRE	12	3	DUST ON LOUVER	N	F	GRAY		8123		—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-[illegible]-01				
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR
OTHER: (must be dated on time)
Stop at 1st Positive per homogeneous material? (Yes) or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease LMB

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/30/01
Date Analyzed:	10/03/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)	
93	01PLM # 8124	Floor 26 Elevator Lobby-Dust on Floor and Furnature	Friable	Cellulose = 5%	Other = 5%
				Fiberglass = 40%	Non-Fibrous = 50%
94	01PLM # 8125	Room 2605-Dust on Floor and Furnature	Friable	Cellulose = 25%	Other = Trace
				Fiberglass = 40%	Non-Fibrous = 35%
95	01PLM # 8126	Room 2611-Dust on Floor and Furniture	Friable	Cellulose = 25%	Other = Trace
				Fiberglass = 25%	Non-Fibrous = 50%
96	01PLM # 8127	Room 2509-Dust on Floor and Furniture	Friable	Chrysotile = 1.27%	Cellulose = 25%
				Fiberglass = 50%	Non-Fibrous = 23.73%
97	01PLM # 8128	Room 2506-Dust on Floor and Furniture-	Friable	Not Analyzed-Homogeneous Area	
98	01PLM # 8129	Room 2502-Debris on Floor and Furniture	Friable	Not Analyzed-Homogeneous Area	
99	01PLM # 8130	Room 2403-Dust on Floor and Furniture-Open Window	Friable	Cellulose = 20%	Other = Trace
				Fiberglass = 55%	Non-Fibrous = 25%
100	01PLM # 8131	Room 2411 Dust on Floor and Furniture	Friable	Cellulose = 10%	Fiberglass = 55%
				Non-Fibrous = 35%	
101	01PLM # 8132	Floor 24-Ice Machine-Dust on Floor and Furniture	Friable	Cellulose = 40%	Fiberglass = 20%
				Non-Fibrous = 40%	
102	01PLM # 8133	Room 2303-Dust on Floor and Furniture	Friable	Cellulose = 40%	Other = 5%
				Fiberglass = Trace	Non-Fibrous = 55%

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

AIHA NVLAP

Deborah McCarl-Laboratories Director
(as it pertains to bulk sample analysis under certification 200083-0)

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NYC 9/11 Public Portal Document

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Bulk Sample Data Chain of Custody Page 1 of 6

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: _____ (Name / Company / Tel/Fax)

Project #: MBO -025AB

Date: 9-30-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 10/3/01 Analyst: (PLM) Volfas B

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: 01 PLM NUMBER	LAB USE ONLY: TEM NUMBER	(+) (−)
93	26	ELEVATOR LOBBY	1	1	DUST ON FLOOR AND FURNITURE	N	F	GRAY		8124		−
94	↓	RM 2605	↓	2						8125		−
95	↓	RM 2611	↓	3						8126		−
96	25	RM 2508	2	1	OPEN WINDOW					8127		+
97	↓	RM 2506	↓	2						8128		/
98	↓	RM 2502	↓	3						8129		/
99	24	RM 2403	3	1						8130		−
100	↓	RM 2411	↓	2						8131		−
101	↓	ICE MACHINE	↓	3						8132		−
102	23	RM 2303								8133		−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-30-01		D. Brent	10/01/01	9:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
[illegible]	9/30/01				

Turnaround Time: (8HR) 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? (Yes) or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease LMB

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/30/01
Date Analyzed:	10/03/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
103	01PLM # 8134	Room 2307-Dust on Floor and Furnature	Friable	Cellulose = 60% Fiberglass = 15% Non-Fibrous = 25%
104	01PLM # 8135	Room 2310-Dust on Floor and Furnature	Friable	Chrysotile = 0.52% Cellulose = 15% Fiberglass = 60% Non-Fibrous = 24.48%
105	01PLM # 8136	Room 2204-Dust on Floor and Furniture	Friable	Cellulose = 25% Fiberglass = 5% Non-Fibrous = 70%
106	01PLM # 8137	Room 2208-Dust on Floor and Furniture	Friable	Cellulose = 20% Other = Trace Fiberglass = 5% Non-Fibrous = 75%
107	01PLM # 8138	Floor 22-Elevator Lobby-Dust on Floor and Furniture	Friable	Cellulose = 10% Fiberglass = 10% Non-Fibrous = 80%
108	01PLM # 8139	Room 2502-Debris on Floor and Furniture	Friable	Cellulose = 15% Other = 5% Fiberglass = 15% Non-Fibrous = 65%
109	01PLM # 8140	Room 2105-Dust on Floor and Furniture-Open Window	Friable	Cellulose = 15% Fiberglass = 45% Non-Fibrous = 40%
110	01PLM # 8141	Floor 21-Ice Machine-Dust on Floor and Furniture	Friable	Cellulose = 5% Fiberglass = 35% Non-Fibrous = 60%
111	01PLM # 8142	Floor 20-Room 2106-Dust on Floor and Furniture	Friable	Chrysotile = 0.26% Cellulose = 10% Fiberglass = 45% Non-Fibrous = 44.74%
112	01PLM # 8143	Floor 20-Room 2107-Dust on Floor and Furniture	Friable	Chrysotile = 2.07% Cellulose = 20% Fiberglass = 45% Non-Fibrous = 30.93%

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

AIHA NVLAP

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 2 of 6

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: Name Company Tel/Fax

Project #: MBO-025AB

Date: 9-30-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 10/3/01 Analyst: (PLM) Vellan B

Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (−)
103	23	Rm 2307	4	2	DUST ON FLOOR AND FURNITURE	N	F	GRAY		8134		−
104	4	Rm 2310	4	3	OPEN WINDOW					8135		−
105	22	Rm 2204	5	1						8136		−
106	↓	Rm 2208	↓	2						8137		−
107	↓	ELEVATOR LOBBY	↓	3						8138		−
108	21	Rm 2111	6	1						8139		−
109	↓	Rm 2105	↓	2						8140		−
110	↓	ICE MACHINE	↓	3						8141		−
111	20	Rm 2106	7	1						8142		−
112	4	Rm 2107	4	2	OPEN WINDOW	↓	↓	↓		8143		+

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-30-01		D. Arent	10/1/01	9:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS: Rm 2311 - OPEN WINDOW

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease LMB

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/30/01
Date Analyzed:	10/03/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
113	01PLM # 8144	Room 2010-Dust on Floor and Furnature	Friable	Not Analyzed-Homogeneous Area
114	01PLM # 8145	Room 1908-Dust on Floor and Furnature	Friable	Cellulose = 50% Fiberglass =1 5% Non-Fibrous = 35%
115	01PLM # 8146	Room 1906-Dust on Floor and Furniture	Friable	Chrysotile = 2.14% Cellulose = 15% Fiberglass = 50% Non-Fibrous = 32.86%
116	01PLM # 8147	Room 1901-Dust on Floor and Furniture	Friable	Not Analyzed-Homogeneous Area
117	01PLM # 8148	Room1612-Dust on Floor and Furniture	Friable	Cellulose = 25% Fiberglass = 15% Non-Fibrous = 60%
118	01PLM # 8149	Room1605-Dust on Floor and Furniture	Friable	Cellulose = 25% Fiberglass = 20% Non-Fibrous = 55%
119	01PLM # 8150	Floor 16-Ice Machine-Dust on Floor and Furniture	Friable	Cellulose = 10% Fiberglass = 45% Non-Fibrous = 45%
120	01PLM # 8151	Room 1502-Dust on Floor and Furniture	Friable	Chrysotile = Trace Cellulose = 15% Fiberglass = 20% Non-Fibrous = 65%
121	01PLM # 8152	Floor 15-Stair A Landing-Dust on Floor and Furniture	Friable	Chrysotile=Trace Cellulose=15% Other= 3% Fiberglass = 50% Non-Fibrous = 32%
122	01PLM # 8153	Room 1507-Dust on Floor and Furniture	Friable	Chrysotile=Trace Cellulose=10% Other= 3% Fiberglass = 20% Non-Fibrous = 67%

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

NVLAP

AIHA

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 30 of 6

Client: BOVIS LEND LEASE, LMB
Project Site: MILLENIUM HILTON
Project Address: NEW YORK, NEW YORK
Report to: Name Company Tel/Fax

Project #: MBO -025AB
Date: 9-30-01
Inspector: BORIS FELDMAN
Signature: B. Feldman

Date Analyzed: 10/3 Analyst: (PLM) Volfan B
Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (−)
113	20	Rm 2010	7	3	DUST ON FLOOR AND FURNITURE	N	F	GREY		8144		−
114	19	Rm 1908	8	1						8145		−
115	↓	Rm 1906	↓	2	OPEN (W. WIDOW)					8146		+
116	↓	Rm 1901	↓	3						8147		−
117	16	Rm 1612	9	1				↓		8148		−
118	↓	Rm 1605	↓	2						8149		−
119	↓	ICE MACHINE	↓	3						8150		−
120	15	Rm 1502	10	1						8151		−
121	↓	STAIR A LANDING	↓	2						8152		−
122	↓	Rm 1507	↓	↓	↓	↓	↓	↓		8153		−

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-30-01		D. Bryant	10/01/01	9:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS: RM 1903 - EXTERIOR GLASS BROKEN
P. 1600 11 03 1600 HRS

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease - LMB

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/30/01
Date Analyzed:	10/03/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
123	01PLM # 8154	Room 1209-Dust on Floor and Furnature	Friable	**Cellulose = 20%** **Other = 3%** **Fiberglass = 25%** **Non-Fibrous = 52%**
124	01PLM # 8155	Room 1204-Dust on Floor and Furnature	Friable	**Chrysotile = 0.51%** **Cellulose = 20%** **Fiberglass = 55%** **Non-Fibrous = 24.49%**
125	01PLM # 8156	Room 1202-Dust on Floor and Furniture	Friable	**Chrysotile = 7.41%** **Cellulose = 5%** **Fiberglass = 55%** **Non-Fibrous = 32.59%**
126	01PLM # 8157	Room 1004-Dust on Floor and Furniture	Friable	**Cellulose = 20%** **Fiberglass = 55%** **Non-Fibrous = 25%**
127	01PLM # 8158	Room1008-Dust on Floor and Furniture	Friable	**Cellulose = 15%** **Fiberglass = 15%** **Non-Fibrous = 70%**
128	01PLM # 8159	Floor 10-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose = 5%** **Fiberglass = 45%** **Non-Fibrous = 50%**
129	01PLM # 8160	Room 801-Dust on Floor and Furniture	Friable	**Chrysotile = 5.06%** **Cellulose = 10%** **Fiberglass = 10%** **Non-Fibrous = 74.94%**
130	01PLM # 8161	Room 811-Dust on Floor and Furniture	Friable	**Not Analyzed-Homogeneous Area**
131	01PLM # 8162	Floor 8-Corridor-Dust on Floor and Furniture	Friable	**Not Analyzed-Homogeneous Area**
132	01PLM # 8163	Floor 6-At HVAC #10-Dust on Floor and Furniture	Friable	**Cellulose=50%** **Other= 3%** **Fiberglass = 20%** **Non-Fibrous = 27%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

AIHA NVLAP

Deborah McCarl-Laboratories Director
(as it pertains to bulk sample analysis under certification 200083-0)

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TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 4 of 6

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: Name Company Tel/Fax

Date Analyzed: 10/4/01 Analyst: (PLM) Jeffrey B

Date Analyzed: Analyst: (TEM)

Project #: MBO-025AB

Date: 9-30-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	(+) (-)
123	12	Rm 1209	11	1	DUST ON FLOOR AND FURNITURE	N	F	GRAY		8154		-
124	↓	Rm 1204	↓	2	BROKEN EXTER. GLASS					8155		-
125	↓	R1202	↓	3	BROKEN ~~[illegible]~~ GLASS					8156		+
126	10	Rm 1004	12	1	BROKEN GLASS					8157		-
127	↓	Rm 1008	↓	2	BROKEN EXTER. GLASS					8158		-
128	↓	ICE MACHINE	↓	3						8159		-
129	8	Rm 801	13	1						8160		+
130	↓	Rm 861	↓	2						8161		/
131	↓	CORRIDOR	↓	3						8162		/
132	6	ATTIC #10	14	1						8163		-

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-30-01		D. Grant	10/01/01	9:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease ~~LMB~~

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/30/01
Date Analyzed:	10/03/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
133	01PLM # 8164	Floor 6-At Storage Tank-Dust on Floor	Friable	**Chrysotile = 0.57%** **Cellulose = 60%** **Fiberglass = 20%** **Non-Fibrous = 19.43%**
134	01PLM # 8165	Floor 6-Chiller Room-Dust on Floor	Friable	**Cellulose=50%** **Other= 3%** **Fiberglass = 20%** **Non-Fibrous = 27%**
135	01PLM # 8166	Floor 4-Board Room-Debris on Floor and Furniture	Friable	**Chrysotile = .80%** **Cellulose = 10%** **Fiberglass = 55%** **Non-Fibrous = 32.59%**
136	01PLM # 8167	Floor 4-Soho-Debris on Floor and Furniture	Friable	**Chrysotile = .52%** **Cellulose = 10%** **Fiberglass = 50%** **Non-Fibrous = 39.48%**
137	01PLM # 8168	Floor 4-Chelsea-Debris on Floor and Furniture	Friable	**Cellulose = 10%** **Fiberglass = 55%** **Non-Fibrous = 35%**
138	01PLM # 8169	Floor 56-MER-Debris on Floor	Friable	**Chrysotile = 1.08%** **Cellulose = 35%** **Fiberglass = 35%** **Non-Fibrous = 28.92%**
139	01PLM # 8170	Floor 56-MER-Debris on Floor	Friable	**Not Analyzed-Homogeneous Area**
140	01PLM # 8171	Floor 56-MER-Debris on Floor	Friable	**Not Analyzed-Homogeneous Area**
141	01PLM # 8172	Floor 54-Stair A-Dust on Intake Air Louver	Friable	**Cellulose = 75%** **Fiberglass = Trace** **Non-Fibrous = 25%**
142	01PLM # 8173	Floor 47-Stair B-Dust on Intake Air Louver	Friable	**Cellulose = 75%** **Other = 5%** **Fiberglass = Trace** **Non-Fibrous = 20%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

NVLAP AIHA (as it pertains to bulk sample analysis under certification 200083-0)

Deborah McCarl-Laboratories Director

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TESTWELL LABORATORIES, INC.

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Bulk Sample Data Chain of Custody Page 5 of 10

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: _____ Name _____ Company _____ Tel/Fax

Project #: MBO-025AB

Date: 9-30-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 10/2/01 Analyst: (PLM) Volfram B

Date Analyzed: _____ Analyst: (TEM) _____

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY: PLM NUMBER	LAB USE ONLY: TEM NUMBER	LAB USE ONLY: (+) (–)
133	5	AT STORAGE TANK	14	2	DUST ON FLOOR	N	F	GRAY		8164		–
134	11	CHILLER RM	11	3	11					8165		–
135	4	BOARD RM	15	1	DEBRIS ON FLOOR AND FURNITURE					8166		–
136	↓	SOHO RM	↓	2	↓					8167		–
137	↓	CHELSEA RM	↓	3	↓					8168		–
138	56	MER	16	1	DEBRIS ON FLOOR					8169		+
139	↓	↓	↓	2	↓					8170		
140	↓	↓	↓	3	↓					8171		
141	54	STAIR A	17	1	DUST ON INTAKE AIR LOUVER					8172		–
142	27	STAIR B	11	2	11					8173		–

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-30-01		D. Brown	10/01/01	9:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR

OTHER: _____ (must be dated on time)

Stop at 1st Positive per homogeneous material? (Yes) or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease - LMB

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/30/01
Date Analyzed:	10/03/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
143	01PLM # 8174	Floor 42-Stair A-Dust on Intake Air Louver	Friable	**Cellulose = 60%** **Fiberglass = 3%** **Non-Fibrous = 37%**
144	01PLM # 8175	Floor 37-Stair A-Dust on Intake Air Louver	Friable	**Cellulose = 70%** **Fiberglass = 30%**
145	01PLM # 8176	Floor 37-Stair A-Dust on Supply Air Louver	Friable	**Cellulose = 70%** **Fiberglass = Trace** **Non-Fibrous = 30%**
146	01PLM # 8177	Floor 32-Duct Space-Dust Inside Duct	Friable	**Non-Fibrous = 100%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

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Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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Bulk Sample Data Chain of Custody Page 6 of 6

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: Name Company Tel/Fax

Project #: MBO-025AB

Date: 9-30-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 10/4/01 Analyst: (PLM) Volfan B

Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY 01 PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (−)
143	42	STAIR A	17	3	DUST ON INTAKE AIR LOUVER	N	F	GRAY		8174		—
144	37			4						8175		—
145	37		18	1	DUST ON SUPPLY LOUVER					8176		—
146	32	DUCT SPACE	19	1	DUST INSIDE DUCT					8177		—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-30-01		D. Arout	10/01/01	9:50
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: (8HR) 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? (Yes) or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

APPENDIX B

LABORATORY ANALYSIS DATA SHEETS AND CHAIN OF CUSTODY (AIR SAMPLING)

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/20/01
Date Rec'd (lab): 09/21/01
Analysis Date: 09/20/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
BF-01-1	Lobby Center in Hall	3355	1250.0	6	0.073	10	137.74	0.042
BF-01-2	3rd Floor Center in Cafeteria	3356	1250.0	6	0.073	0	<13.77	<0.004
BF-01-3	5th Floor Center in Hallway	3357	1250.0	6	0.073	0	<13.77	<0.004
BF-01-4	8th Floor Center in Hallway	3358	1250.0	6	0.073	0	<13.77	<0.004
BF-05	Field Blank	3359	0.0	6	0.073	0	N/A	N/A
BF-06	Field Blank	3360	0.0	6	0.073	0	N/A	N/A
							Structures/mm²	Structures/cc
				Total Average Concentrations			<20.66	<0.004

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TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

PCM AIR SAMPLE RESULTS

Client: Bovis Lend Lease

Project #: MBO-025AB

Sample Location: The Millenium Hilton
55 Chruch Street
New York, New York

Field Technician: M. Sokolinkiy

Date Collected: 09/20/01
Date Rec'd (lab): 09/21/01
Analysis Date: 09/21/01
Analyst: *J. Yarrusso*

Analytical Method: NIOSH 7400

Sample #:	Sample Location:	Sample Type	01PCM #	Volume	Concentration f/cc
1-1	Lobby Center in Hall	Ambient	19857	1200	**0.051**
2-1	Lobby South Side	Ambient	19858	1200	**0.0492**
3-1	Lobby Floor, Entrance to Telemarketing Office	Ambient	19859	1200	**0.0059**
4-3	3rd Floor North Side	Ambient	19860	1200	**0.0221**
5-3	3rd Floor South Side	Ambient	19861	1200	**0.0047**
6-3	3rd Floor Center in Kosfter	Ambient	19862	1200	**0.0137**
7-5	5th Floor Entrance to Pool	Ambient	19863	1200	**0.0074**
8-5	5th Floor Esecutive office	Ambient	19864	1200	**0.0041**
9-5	5th Floor Entrance to Computer Room	Ambient	19865	1200	**0.0072**
10-8	8th Floor Room #803	Ambient	19866	1200	**0.0025**
11-8	8th Floor Room #806	Ambient	19867	1200	**<0.0022**
12-8	8th Floor Hallway Between Rooms #810 & 811	Ambient	19868	1200	**0.0082**

* Limit of quantitation based on volume of air collected and 5.5 f/100 fields as per the NIOSH 7400 method. The report value is calculated by using the higher value of either the actual concentration or the limit of quantification reported at P(0.05) indicating the 95% confidence level at 2 standard deviations. ** Sample information is provided by the client & presented as stated. *** Laboratory QC data available upon request. **** The laboratory has no control over air sampling collection. Reports are the confidential property of our clients. This certificate of analysis/report shall not be used by the client to claim product endorsement by the National Voluntary Laboratory Approval Program (NVLAP) or any agency of the United States Government. This certificate of analysis/report shall not be reproduced except in full, without the written approval of Testwell Laboratories, Inc.

Deborah McCarl

Deborah McCarl - Laboratory Director

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TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

PCM AIR SAMPLE RESULTS

Client: Bovis Lend Lease

Project #: MBO-025AB

Sample Location: The Millenium Hilton
55 Chruch Street
New York, New York

Field Technician: M. Sokolinkiy

Date Collected: 09/20/01
Date Rec'd (lab): 09/21/01
Analysis Date: 09/21/01
Analyst: *J. Yarrusso*

Analytical Method: NIOSH 7400

Sample #:	Sample Location:	Sample Type	01PCM #	Volume	Concentration f/cc
13	Field Blank	Ambient	19869	0	N/A
14	Field Blank	Ambient	19870	0	N/A

* Limit of quantitation based on volume of air collected and 5.5 f/100 fields as per the NIOSH 7400 method. The report value is calculated by using the higher value of either the actual concentration or the limit of quantification reported at P(0.05) indicating the 95% confidence level at 2 standard deviations. ** Sample information is provided by the client & presented as stated. *** Laboratory QC data available upon request. **** The laboratory has no control over air sampling collection. Reports are the confidential property of our clients. This certificate of analysis/report shall not be used by the client to claim product endorsement by the National Voluntary Laboratory Approval Program (NVLAP) or any agency of the United States Government. This certificate of analysis/report shall not be reproduced except in full, without the written approval of Testwell Laboratories, Inc.

Deborah McCarl - Laboratory Director

NYC 9/11 Public Portal Document

Environmental Laboratory
47 Hudson Street, Ossining, New 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Date Collected: 09/28/01
Date Rec'd (lab): 09/28/01
Analysis Date: 09/30/01
TEM Analyst: *D. McCarl*
Analytical Method: AHREA
EPA 40 CFR Part 763

Field Technician: M. Sokolinskiy/O. Koledenkov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
55-1	South Side of Corridor	3408	1250.0	6	0.073	2	27.55	0.008
55-2	In the Middle of Corridor	3409	1250.0	6	0.073	3	41.32	0.013
55-3	North Side of Corridor	3410	1250.0	6	0.073	2	27.55	0.008
54-1	South Side of Corridor	3411	1250.0	6	0.073	3	41.32	0.016
54-2	In the Middle of Corridor	3412	1250.0	6	0.073	3	41.32	0.013
54-3	North Side of Corridor	3413	1250.0	6	0.073	5	68.87	0.021
53-1	South Side of Corridor	3414	1250.0	6	0.073	8	110.19	0.034
53-2	In the Middle of Corridor	3415	1250.0	6	0.073	7	96.42	0.030
53-3	North Side of Corridor	3416	1250.0	6	0.073	0	<13.77	<0.004
52-1	South Side of Corridor	3417	1250.0	6	0.073	0	<13.77	<0.004
52-2	In the Middle of Corridor	3418	1250.0	6	0.073	9	123.97	0.038
52-3	North Side of Corridor	3419	1250.0	6	0.073	5	68.87	0.021
							Structures/mm²	Structures/cc
						Total Average Concentrations	<56.24	<0.017

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Environmental Laboratory
47 Hudson Street, Ossining, New . 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy/O. Koledenkov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/28/01
Date Rec'd (lab): 09/28/01
Analysis Date: 09/30/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
51-1	South Side of Corridor	3420	1250.0	6	0.073	5	68.87	0.021
51-2	Middle of Corridor	3421	1250.0	6	0.073	3	41.32	0.013
51-3	North Side of Corridor	3422	1250.0	6	0.073	0	<13.77	<0.004
50-1	South Side of Corridor	3423	1250.0	6	0.073	5	68.87	0.0021
50-2	Middle of Corridor	3424	1250.0	6	0.073	2	27.55	0.008
50-3	North Side of Corridor	3425	1250.0	6	0.073	4	55.10	0.017
49-1	South Side of Corridor	3426	1250.0	6	0.073	0	<13.77	<0.004
49-2	Middle of Corridor	3427	1250.0	6	0.073	3	41.32	0.013
49-3	North Side of Corridor	3428	1250.0	6	0.073	9	123.97	0.038
48-1	South Side of Corridor	3429	1250.0	6	0.073	4	55.10	0.017
48-2	Middle of Corridor	3430	1250.0	6	0.073	6	82.64	0.025
48-3	North Side of Corridor	3431	1250.0	6	0.073	6	82.64	0.025
							Structures/mm²	Structures/cc
						Total Average Concentrations	<56.24	<0.017

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NYC 9/11 Public Portal Document

Environmental Laboratory
47 Hudson Street, Ossining, New 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Date Collected: 09/28/01
Date Rec'd (lab): 09/28/01
Analysis Date: 10/02/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Field Technician: M. Sokolinskiy/O. Koledenkov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
47-1	South Side of Corridor	3399	1250.0	6	0.073	4	55.10	0.017
47-2	In the Middle of Corridor	3400	1250.0	6	0.073	0	<13.77	<0.004
47-3	North Side of Corridor	3401	1250.0	6	0.073	2	27.55	0.008
46-1	South Side of Corridor	3402	1250.0	6	0.073	2	27.55	0.008
46-2	In the Middle of Corridor	3403	1250.0	6	0.073	3	41.32	0.013
46-3	North Side of Corridor	3404	1250.0	6	0.073	4	55.10	0.017
FBA	Field Blank	3405	0.0	6	0.073	0	<13.77	N/A
FBB	Field Blank	3406	0.0	6	0.073	0	<13.77	N/A
FBC	Field Blank	3407	0.0	6	0.073	0	<13.77	N/A
							Structures/mm²	Structures/cc
				Total Average Concentrations			<36.73	<0.011

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TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/29/01
Date Analyzed:	10/02/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
63	01PLM # 8094	Floor 35-Room 3511-Debris on Floor and Furniture	Friable	**Cellulose=35% Non-Fibrous=60% Fiberglass=5% Other=Trace**
64	01PLM # 8095	Floor 34-Room 3401-Debris on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=80% Fiberglass=10%**
65	01PLM # 8096	Floor 34-Room 3408-Debris on Floor and Furniture-Open Window	Friable	**Cellulose=5% Non-Fibrous=59.47% Fiberglass=35% Chrysotile=<1%**
66	01PLM # 8097	Floor 34-Room 3414-Dust on Floor and Furniture-Opne Window	Friable	**Cellulose=5% Non-Fibrous=45% Fiberglass=50%**
67	01PLM # 8098	Floor 33-Room 3303-Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=40% Fiberglass=50%**
68	01PLM # 8099	Floor 33-Elevator Lobby-Debris on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=40% Fiberglass=50%**
69	01PLM # 8100	Floor 33-Room 3310-Dust on Floor and Furniture-Open Window	Friable	**Cellulose=2% Non-Fibrous=57.19% Fiberglass=40% Chrysotile=<1%**
70	01PLM # 8101	Floor 32-Room 3202Dust on Floor and Furniture	Friable	**Cellulose=50% Non-Fibrous=42% Fiberglass=3% Other=5%**
71	01PLM # 8102	Floor 32-Room 3210Dust on Floor and Furniture	Friable	**Cellulose=45% Non-Fibrous=50% Fiberglass=5%**
72	01PLM # 8103	Floor 32-Ice Machine-Debris on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=39.75% Fiberglass=25% Other=5% Chrysotile=<1%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

AIHA NVLAP

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 3 of 5

Client: BOVIS LEND LEASE, LMB

Project Site: MILLENIUM HILTON

Project Address: NEW YORK, NEW YORK

Report to: Name Company Tel/Fax

Project #: MBO -025AB

Date: 9-24-01

Inspector: BORIS FELDMAN

Signature: B. Feldman

Date Analyzed: 10/2/01 Analyst: (PLM) Volfan B

Date Analyzed: Analyst: (TEM)

LAB USE ONLY

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	6C PLM NUMBER	TEM NUMBER	(+) (–)
63	35	Rm 3411	7	3	DUST ON FLOOR AND FURNITURE	N	F	GREY		8094		–
64	34	Rm 3401	8	1						8095		–
65	↓	Rm 3408	↓	2	OPEN WINDOW					8096		–
66	↓	Rm 3414	↓	3	↓					8097		–
67	33	Rm 3303	9	1						8098		–
68	↓	ELEVATOR LOBBY	↓	2						8099		–
69	↓	Rm 3310	↓	3	OPEN WINDOW					8100		–
70	32	Rm 3202	10	1						8101		–
71	↓	3210	↓	2						8102		–
72	↓	ICE MACHINE	↓	3	↓	↓	↓	↓		8103		–

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9-24-01				
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR

OTHER: (must be dated on time)

Stop at 1st Positive per homogeneous material? Yes or No

Hold for TEM Confirmation? Yes or No

WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: **Bovis Land Lease - LMB**

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/29/01
Date Analyzed:	10/02/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
73	01PLM # 8104	Floor 32-Supply Air Louver-Debris on Louver	Friable	**Cellulose=55% Non-Fibrous=30% Fiberglass=10% Other=5%**
74	01PLM # 8105	Floor 32-Intake Air Louver-Debris on Louver	Friable	**Cellulose=60% Non-Fibrous=40% Fiberglass=Trace Other=Trace**
75	01PLM # 8106	Floor 32-Air Filter	Friable	**Non-Fibrous=2% Other=98%**
76	01PLM # 8107	Floor 31-Room 3104Dust on Floor and Furniture	Friable	**Cellulose=25% Non-Fibrous=60% Fiberglass=15%**
77	01PLM # 8108	Floor 31-Room 3110-Dust on Floor and Furniture	Friable	**Cellulose=30% Non-Fibrous=50% Fiberglass=20%**
78	01PLM # 8109	Floor 31-Elevator Lobby-Debris on Floor and Furniture	Friable	**Cellulose=5% Non-Fibrous=40% Fiberglass=55%**
79	01PLM # 8110	Floor 30-Room 3011-Dust on Floor and Furniture-	Friable	**Cellulose=10% Non-Fibrous=30% Fiberglass=60%**
80	01PLM # 8111	Floor 30-Room 3002 Dust on Floor and Furniture	Friable	**Cellulose=10% Non-Fibrous=55% Fiberglass=35%**
81	01PLM # 8112	Floor 30-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=Trace Non-Fibrous=50% Fiberglass=50%**
82	01PLM # 8113	Floor 30-Intake Air Louver-Dust On Louver	Friable	**Cellulose=65% Non-Fibrous=30% Fiberglass=5%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

AIHA NVLAP (as it pertains to bulk sample analysis under certification 200083-0)

Deborah McCarl-Laboratories Director

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47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Bulk Sample Data Chain of Custody Page 4 of 5

Client: BOVIS LEND LEASE, LMB
Project Site: MILLENIUM HILTON
Project Address: NEW YORK, NEW YORK
Report to: Name Company Tel/Fax

Project #: MBO -025AB
Date: 9-24-01
Inspector: BORIS FELDMAN
Signature: B. Feldman

Date Analyzed: 10/2/01 Analyst: (PLM) Volpe B
Date Analyzed: Analyst: (TEM)

FIELD SAMPLE #	FLOOR	FUNCTIONAL AREA	GROUP	ITEM	DESCRIPTION	LAYERED? Y / N	FRIABLE = F NOB = N	COLOR	TYPE OF REPAIR	LAB USE ONLY PLM NUMBER	LAB USE ONLY TEM NUMBER	LAB USE ONLY (+) (−)
73	32	SUPPLY AIR LOUVER	AIR 11	1	DUST ON LOUVER	N	F	GRAY		81Ø4		—
74	↓	INTAKE AIR LOUVER	12	1	↓	↓	↓	↓		81Ø5		—
75	↓	AIR PLENUM ON ROOF	13	1	AIR FILTER	↓	↓	↓		81Ø6		—
76	31	Rm 3104	14	1	DUST ON FLOOR AND FURNITURE	N	F	GRAY		81Ø7		—
77	↓	Rm 3110	↓	2	↓	↓	↓	↓		81Ø8		—
78	↓	ELEVATOR LOBBY	↓	3	↓	↓	↓	↓		81Ø9		—
79	30	Rm 3011	15	1	↓	↓	↓	↓		8110		—
80	↓	Rm 3002	↓	2	↓	↓	↓	↓		8111		—
81	↓	ICE MACHINE	↓	3	↓	↓	↓	↓		8112		—
82	30	INTAKE AIR LOUVER	12	2	DUST ON LOUVER	↓	↓	↓		8113		—

RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:
B. Feldman	9- -01				
RELINQUISHED BY (SIGNATURE):	DATE:	TIME:	RECEIVED BY (SIGNATURE):	DATE:	TIME:

Turnaround Time: 8HR 24HR 48HR 72HR
OTHER: (must be dated on time)
Stop at 1st Positive per homogeneous material? Yes or No
Hold for TEM Confirmation? Yes or No
WHITE: LAB YELLOW: SITE/TECH

Friable = NYS DOH 198.1 NOB = NYSDOH 198.4

COMMENTS:

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Land Lease - LMB

PROJECT: Millenium Hilton Hotel
Church Street
New York, New York

Project No:	MBO-025AB
Collected By:	Boris Feldman
Date Sampled:	09/29/01
Date Analyzed:	10/02/01
PLM Analyst:	*V. Binchkauskas*
TEM Analyst:	*N/A*

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
83	01PLM # 8114	Floor 29-Room 2910-Dust on Floor and Furniture-	Friable	**Cellulose=Trace Non-Fibrous=75% Fiberglass=25%**
84	01PLM # 8115	Floor 29-Elevator Lobby-Dust on Floor and Furniture	Friable	**Cellulose=3% Non-Fibrous=50% Fiberglass=47%**
85	01PLM # 8116	Floor 29-Room 2905-Dust on Floor and Furniture-	Friable	**Non-Fibrous=100% Cellulose=Trace**
86	01PLM # 8117	Floor 28-Room 2801-Dust on Floor and Furniture-	Friable	**Cellulose=20% Non-Fibrous=70% Fiberglass=10%**
87	01PLM # 8118	Floor 28-Room 2806-Dust on Floor and Furniture-	Friable	**Cellulose=15% Non-Fibrous=70% Fiberglass=15%**
88	01PLM # 8119	Floor 28-Ice Machine-Debris on Floor and Furniture	Friable	**Cellulose=5% Non-Fibrous=70% Fiberglass=25%**
89	01PLM # 8120	Floor 27-Room 2712-Dust on Floor and Furniture-Open Window	Friable	**Cellulose=5% Non-Fibrous=75% Fiberglass=20%**
90	01PLM # 8121	Floor 27-Room 2705 Dust on Floor and Furniture	Friable	**Cellulose=20% Non-Fibrous=60% Fiberglass=20% Other=Trace**
91	01PLM # 8122	Floor 27-Ice Machine-Dust on Floor and Furniture	Friable	**Cellulose=5% Non-Fibrous=65% Fiberglass=25% Other=5%**
92	01PLM # 8123	Floor 27-Intake Air Louver-Dust On Louver	Friable	**Cellulose=60% Non-Fibrous=30% Fiberglass=5% Other=5%**

(1) Sample Information provided on chain of custody assumed correct (2) Samples homogenized by mortar & pestle prior to analysis. (3) Results only pertain to those items tested. (4) The laboratory has non control over sample collection. This certificate of analysis shall not be reproduced expect in full, without the written approval of Testwell Laboratories, Inc.

NVLAP

AIHA

Deborah McCarl-Laboratories Director

(as it pertains to bulk sample analysis under certification 200083-0)

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NYC 9/11 Public Portal Document

Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Date Collected: 09/29/01
Date Rec'd (lab): 09/29/01
Analysis Date: 10/05/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy/O. Kolendekov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
45-1	South Side of Corridor	3484	1250.0	6	0.073	7	96.42	0.030
45-2	In the Middle of Corridor	3485	1250.0	6	0.073	6	82.64	0.025
45-3	North Side of Corridor	3486	1250.0	6	0.073	9	123.97	0.038
44-1	South Side of Corridor	3487	1250.0	6	0.073	7	96.42	0.030
44-2	In the Middle of Corridor	3488	1250.0	6	0.073	7	96.42	0.030
44-3	North Side of Corridor	3489	1250.0	6	0.073	5	68.87	0.021
43-1	South Side of Corridor	3490	1250.0	6	0.073	6	82.64	0.025
43-2	In the Middle of Corridor	3491	1250.0	6	0.073	8	110.19	0.034
43-3	North Side of Corridor	3492	1250.0	6	0.073	5	68.87	0.021
42-1	South Side of Corridor	3493	1250.0	6	0.073	15	206.61	0.064
42-2	In the Middle of Corridor	3494	1250.0	6	0.073	8	110.19	0.034
42-3	North Side of Corridor	3495	1250.0	6	0.073	3	41.32	0.013
							Structures/mm²	Structures/cc
					Total Average Concentrations		98.71	<0.030

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Environmental Laboratory
47 Hudson Street, Ossining, New 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy/O. Kolendekov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/29/01
Date Rec'd (lab): 09/29/01
Analysis Date: 10/04/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
41-1	South Side of Corridor	3472	1250.0	6	0.073	12	165.29	0.051
41-2	In the Middle of Corridor	3473	1250.0	6	0.073	16	220.39	0.068
41-3	North Side of Corridor	3474	1250.0	6	0.073	8	110.19	0.034
40-1	South Side of Corridor	3475	1250.0	6	0.073	7	96.42	0.030
40-2	In the Middle of Corridor	3476	1250.0	6	0.073	14	192.84	0.059
40-3	North Side of Corridor	3477	1250.0	6	0.073	14	192.84	0.059
33-1	South Side of Corridor	3478	1250.0	6	0.073	5	68.87	0.021
33-2	In the Middle of Corridor	3479	1250.0	6	0.073	2	27.55	0.008
33-3	North Side of Corridor	3480	1250.0	6	0.073	3	41.32	0.013
32-1	South Side of Corridor	3481	1250.0	6	0.073	11	151.52	0.047
32-2	In the Middle of Corridor	3482	1250.0	6	0.073	5	68.87	0.021
32-3	North Side of Corridor	3483	1250.0	6	0.073	2	27.55	0.008
							Structures/mm²	Structures/cc
						Total Average Concentrations	113.63	0.035

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Environmental Laboratory
47 Hudson Street, Ossining, New 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: Tej Chhenty

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/29/01
Date Rec'd (lab): 09/29/01
Analysis Date: 10/03/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
39-1	39th Floor Corridor North	3444	1300.0	6	0.073	5	68.87	0.020
39-2	39th Floor Corridor Center	3445	1300.0	6	0.073	7	96.42	0.029
39-3	39th Floor Corridor South	3446	1300.0	6	0.073	7	96.42	0.029
38-1	38th Floor Corridor North	3447	1300.0	6	0.073	7	96.42	0.029
38-2	38th Floor Corridor Center	3448	1300.0	6	0.073	24	330.58	0.098
38-3	38th Floor Corridor South	3449	1300.0	6	0.073	14	192.84	0.057
37-1	37th Floor Corridor North	3450	1300.0	6	0.073	2	27.55	0.008
37-2	37th Floor Corridor Center	3451	1300.0	6	0.073	3	41.32	0.012
37-3	37th Floor Corridor South	3452	1300.0	6	0.073	3	41.32	0.012
36-1	36th Floor Corridor North	3453	1300.0	6	0.073	10	137.74	0.041
36-2	36th Floor Corridor Center	3454	1300.0	6	0.073	14	192.84	0.057
36-3	36th Floor Corridor South	3455	1300.0	6	0.073	3	41.32	0.012
							Structures/mm²	Structures/cc
						Total Average Concentrations	<113.63	<0.034

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NYC 9/11 Public Portal Document

Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: Tej Chhenty

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/29/01
Date Rec'd (lab): 09/29/01
Analysis Date: 09/30/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
35-1	35th Floor-Cooridor North	3432	1300.0	6	0.073	9	123.97	0.037
35-2	35th Floor-Cooridor Center	3433	1300.0	6	0.073	2	27.55	0.008
35-3	35th Floor-Cooridor South	3434	1300.0	6	0.073	5	68.87	0.020
34-1	34th Floor-Cooridor North	3435	1300.0	6	0.073	4	55.10	0.016
34-2	34th Floor-Cooridor Center	3436	1300.0	6	0.073	3	41.32	0.012
34-3	34th Floor-Cooridor South	3437	1300.0	6	0.073	10	137.74	0.041
27-1	27th Floor-Cooridor North	3438	1300.0	6	0.073	8	110.19	0.033
27-2	27th Floor-Cooridor Center	3439	1300.0	6	0.073	5	68.87	0.020
27-3	27th Floor-Cooridor South	3440	1300.0	6	0.073	6	82.64	0.024
BLK-1	Field Blank	3441	0.0	4	0.048	0	N/A	N/A
BLK-2	Field Blank	3442	0.0	4	0.048	0	N/A	N/A
BLK-3	Field Blank	3443	0.0	4	0.048	0	N/A	N/A
							Structures/mm²	Structures/cc
				Total Average Concentrations			<79.58	<0.019

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NYC 9/11 Public Portal Document

Environmental Laboratory
47 Hudson Street, Ossining, New 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy/O. Koledenkov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/29/01
Date Rec'd (lab): 09/29/01
Analysis Date: 10/02/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
FBA	Field Blank	3456	0.0	4	0.048	0	<20.66	N/A
FBB	Field Blank	3457	0.0	4	0.048	0	<20.66	N/A
FBC	Field Blank	3458	0.0	4	0.048	0	<20.66	N/A
FBD	Field Blank	3459	0.0	4	0.048	0	<20.66	N/A

	Structures/mm²	Structures/cc
Total Average Concentrations	<20.66	<0.004

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Environmental Laboratory
47 Hudson Street, Ossining, New . . 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy/O. Kolendekov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/29/01
Date Rec'd (lab): 09/29/01
Analysis Date: 10/04/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
31-1	South Side of Corridor	3460	1250.0	6	0.073	7	96.42	0.030
31-2	In the Middle of Corridor	3461	1250.0	6	0.073	5	68.87	0.021
31-3	North Side of Corridor	3462	1250.0	6	0.073	1	13.77	0.004
30-1	South Side of Corridor	3463	1250.0	6	0.073	6	82.64	0.025
30-2	In the Middle of Corridor	3464	1250.0	6	0.073	5	68.87	0.021
30-3	North Side of Corridor	3465	1250.0	6	0.073	4	55.10	0.017
29-1	South Side of Corridor	3466	1250.0	6	0.073	2	27.55	0.008
29-2	In the Middle of Corridor	3467	1250.0	6	0.073	2	27.55	0.008
29-3	North Side of Corridor	3468	1250.0	6	0.073	100	1377.41	0.424
28-1	South Side of Corridor	3469	1250.0	6	0.073	7	96.42	0.030
28-2	In the Middle of Corridor	3470	1250.0	6	0.073	6	82.64	0.025
28-3	North Side of Corridor	3471	1250.0	6	0.073	17	234.16	0.072
							Structures/mm²	Structures/cc
					Total Average Concentrations		185.95	0.057

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Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolonskiy/O. Kolendenkov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/30/01
Date Rec'd (lab): 10/01/01
Analysis Date: 10/08/01
TEM Analyst: D. McCarl
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
26-1	North Side of Corridor	3536	1300.0	6	0.073	6	82.64	0.024
26-2	In the Center of Corridor	3537	1300.0	6	0.073	8	110.19	0.033
26-3	South Side of Corridor	3538	1300.0	6	0.073	15	206.61	0.061
25-1	North Side of Corridor	3539	1300.0	6	0.073	6	68.87	0.020
25-2	In the Center of Corridor	3540	1300.0	6	0.073	Overloaded	N/A	N/A
25-3	South Side of Corridor	3541	1300.0	6	0.073	4	55.10	0.016
24-1	North Side of Corridor	3542	1300.0	6	0.073	10	137.74	0.041
24-2	In the Center of Corridor	3543	1300.0	6	0.073	12	165.29	0.049
24-3	South Side of Corridor	3544	1300.0	6	0.073	9	123.97	0.037
17-1	North Side of Corridor	3545	1300.0	6	0.073	7	96.42	0.029
17-2	In the Center of Corridor	3546	1300.0	6	0.073	11	151.52	0.045
17-3	South Side of Corridor	3547	1300.0	6	0.073	4	55.10	0.016
							Structures/mm²	Structures/cc
						Total Average Concentrations	113.95	0.03

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Environmental Laboratory
47 Hudson Street, Ossining, New : 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: T. Chhetry

Project #: MBO-025AB

Date Collected: 09/30/01
Date Rec'd (lab): 10/01/01
Analysis Date: 10/09/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
16-1	North Side of Corridor	3548	1300.0	6	0.073	11	151.52	0.045
16-2	In the Center of Corridor	3549	1300.0	6	0.073	13	179.06	0.053
16-3	South Side of Corridor	3550	1300.0	6	0.073	15	206.61	0.061
15-1	North Side of Corridor	3551	1300.0	6	0.073	10	137.74	0.041
15-2	In the Center of Corridor	3552	1300.0	6	0.073	4	55.10	0.016
15-3	South Side of Corridor	3553	1300.0	6	0.073	8	110.19	0.033
BLK-1	Field Blank	3554	0.0	6	0.073	0	<13.77	N/A
BLK-2	Field Blank	3555	0.0	6	0.073	0	<13.77	N/A
BLK-3	Field Blank	3556	0.0	6	0.073	0	<13.77	N/A

	Structures/mm²	Structures/cc
Total Average Concentrations	140.04	0.04

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Environmental Laboratory
47 Hudson Street, Ossining, New 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Date Collected: 09/30/01
Date Rec'd (lab): 10/01/01
Analysis Date: 10/08/01
TEM Analyst: D. McCarl
Analytical Method: AHERA
EPA 40 CFR Part 763

Field Technician: M. Sokolinskiy/O. Kolendekov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
19-1	South Side of Corridor	3508	1250.0	6	0.073	10	137.74	0.042
19-2	In the Middle of Corridor	3509	1250.0	6	0.073	7	96.42	0.030
19-3	North Side of Corridor	3510	1250.0	6	0.073	1	13.77	0.004
18-1	South Side of Corridor	3511	1250.0	6	0.073	8	110.19	0.034
18-2	In the Middle of Corridor	3512	1250.0	6	0.073	5	68.87	0.021
18-3	North Side of Corridor	3513	1250.0	6	0.073	5	68.87	0.021
14-1	South Side of Corridor	3514	1250.0	6	0.073	9	123.97	0.038
14-2	In the Middle of Corridor	3515	1250.0	6	0.073	17	234.16	0.072
14-3	North Side of Corridor	3516	1250.0	6	0.073	15	206.61	0.064
12-1	South Side of Corridor	3517	1250.0	6	0.073	5	68.87	0.021
12-2	In the Middle of Corridor	3518	1250.0	6	0.073	6	82.64	0.025
12-3	North Side of Corridor	3519	1250.0	6	0.073	4	55.10	0.017
							Structures/mm²	Structures/cc
						Total Average Concentrations	105.60	<0.032

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NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolonskiy/O. Kolendenkov

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 09/30/01
Date Rec'd (lab): 10/01/01
Analysis Date: 10/08/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
11-1	South Side of Corridor	3520	1250.0	6	0.073	19	261.71	0.081
11-2	In the Middle of Corridor	3521	1250.0	6	0.073	12	165.29	0.051
11-3	North Side of Corridor	3522	1250.0	6	0.073	14	192.84	0.059
10-1	South Side of Corridor	3523	1250.0	6	0.073	3	41.32	0.013
10-2	In the Middle of Corridor	3524	1250.0	6	0.073	2	27.55	0.008
10-3	North Side of Corridor	3525	1250.0	6	0.073	18	247.93	0.076
9-1	South Side of Corridor	3526	1250.0	6	0.073	13	179.06	0.055
9-2	In the Middle of Corridor	3527	1250.0	6	0.073	12	165.29	0.051
9-3	North Side of Corridor	3528	1250.0	6	0.073	11	151.52	0.047
4-1	South Side of Corridor	3529	1250.0	6	0.073	4	55.10	0.017
4-2	In the Middle of Corridor	3530	1250.0	6	0.073	11	151.52	0.047
4-3	North Side of Corridor	3531	1250.0	6	0.073	2	27.55	0.008
							Structures/mm²	Structures/cc
				Total Average Concentrations			138.89	0.04

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Environmental Laboratory
47 Hudson Street, Ossining, New \ 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: O. Koledenkov/M. Sokolinskiy

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025-B

Date Collected: 09/30/01
Date Rec'd (lab): 10/01/01
Analysis Date: 10/08/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
FBA	Field Blank	3532	0.0	6	0.073	0	<13.77	N/A
FBA	Field Blank	3433	0.0	6	0.073	0	<13.77	N/A
FBA	Field Blank	3434	0.0	6	0.073	0	<13.77	N/A
FBA	Field Blank	3434	0.0	6	0.073	0	<13.77	N/A

	Structures/mm²	Structures/cc
Total Average Concentrations	<13.77	N/A

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NYC-WTC_000103955

NYC-WTC_000103956

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TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 1

Client: Bovise
Project Site: Hotel, The Millenium Hilton", Lobby, 3rd, 5th and 18th floors
Project Address: 55 Church st., New York, N.Y.
Report to: Mike DEANE Bovise FAX (212) 592-6988; Tel (212) 592-6912
Name Company Tel/Fax

Project #: MBO-025AB
Date: 09/20/01
Technician: H. Sokolinsky
Signature: M. Sokolinsky
Rotometer: R-40
Turnaround-ASAP

Date Analyzed: 9/20/01 Analyst: JM

PCM or (TEM)

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # or TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
B.F.-01-1	1	Lobby, Center in Hall		15:05	17:10	125	10/10	1250	3355	1	+	
B.F.-02-3	1	3rd floor, Center in Kafeteria		15:55	18:00	125	10/10	1250	3356	1		
B.F.-03-5	1	5th floor, Center in Hallway		16:45	18:50	125	10/10	1250	3357	1		
B.F.-04-8	1	8th floor, Center in Hallway		17:40	19:45	125	10/10	1250	3358	1		
B.F.-05	1	BLANK							3359	1		
B.F.-06	1	BLANK							3360	1		
										1		
										1		
										1		
										1		
										1		
										1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
M. Sokolinsky	09/20/01 22:25	J. Jarmoso	9/21/01 5:05AM

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103957

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 2

Client: "Bovibe"
Project Site: Hotel, The Millenium Hilton", Lobby, 3rd, 5th and 8th floors.
Project Address: 55 Church st., New York, N.Y.
Report to: MIKE DEANE (Name) BOVIBE (Company) FAX (212) 592-6988; TEL (212) 592-6912 (Tel/Fax)

Project #: MBO-025AB
Date: 09/20/01
Technician: M. SOKOLINSKIY
Signature: M. Sokolinsky
Rotometer: R-40
Turnaround - ASAP

Date Analyzed: 9/21/01 Analyst: J.Y.

(PCM) or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY 01 PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
M.S.1-1	1	Lobby, center in hall		15:00	17:00	120	10/10	1200	19857	101/81	0.051	
M.S.2-1	1	Lobby, South side		15:01	17:01	120	10/10	1200	19858	100/83	0.0492	
M.S.3-1	1	Lobby floor, entrance to temp. marketing office.		15:02	17:02	120	10/10	1200	19859	14.5/100	0.0059	
M.S.4-3	1	3rd floor North side		15:45	17:45	120	10/10	1200	19860	54.4/100	0.0221	
M.S.5-3	1	3rd floor South side		15:46	17:46	120	10/10	1200	19861	11.5/100	0.0047	
M.S.6-3	1	3rd floor Center in kafeteer.		15:48	17:48	120	10/10	1200	19862	33.5/100	0.0137	
M.S.7-5	1	5th floor Entr. to Pool		16:35	18:35	120	10/10	1200	19863	18.9/100	0.0074	
M.S.8-5	1	5th floor, Executive office		16:37	18:37	120	10/10	1200	19864	10.9/100	0.0041	
M.S.9-5	1	5th floor, Entrance to computer room		16:40	18:40	120	10/10	1200	19865	17.5/100	0.0072	
M.S.10-8	1	8th floor Room #803		17:30	19:30	120	10/10	1200	19866	6.0/100	0.0025	
M.S.11-8	1	8th floor Room # 806		17:33	19:33	120	10/10	1200	19867	4.5/100	<0.0022	
M.S.12-8	1	8th floor Hallway, between Room #810 and #811		17:35	19:35	120	10/10	1200	19868	20.9/100	0.0082	

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
M. Sokolinsky	09/20/01 22:25	J. Yarusso	9/21/01 5:50Am

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_00010395B

NYC 9/11 Public Portal Document

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47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 2

Client: Boose
Project Site: Hotel, The Millenium Hilton", Lobby, 3rd, 5th and 18th floor
Project Address: 55 Church st., New York, N.Y.
Report to: MIKE DEANE "Boose" FAX (212) 592-6988; Tel. (212) 592-6912
Name Company Tel/Fax

Project #: MBO-025TAB
Date: 09/20/01
Technician: M. Sokolinskiy
Signature: M. Sokolinskiy
Rotometer: R-40

Date Analyzed: 9/21/01 Analyst: J. Y.

(PCM) or TEM

Turnaround - ASAP.

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY 01 PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
M.S.-13	1	BLANK							19869	0 / 100		
M.S.-14	1	BLANK							19870	0 / 100		
										/		
										/		
										/		
										/		
										/		
										/		
										/		
										/		
										/		
										/		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
M. Sokolinskiy	09/20/01 22:25	J. Yanusa	9/21/01 5:50Am

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103959

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 3

Client: BOVIS
Project Site: HOTEL "The MILLENIUM" HILTON
Project Address: 55 Church ST., NY, NY
Report to: Name Company Tel/Fax

Project #: MBO-0025AB
Date: 09 28 01
Technician: M. SOKOLINSKY/O. KOLEDENK
Signature: M. Sokolinsky/O. Koledenk
Rotometer: R 40

Date Analyzed: 9/30/01 Analyst: [signature]

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
55-1	1	SOUTH side of CORRIDOR		9:10	11:15	125	10.0/10.0	1250	3408	1		
55-2	1	IN THE middle of corridor		9:11	11:16	125	10.0/10.0	1250	3409	1		
55-3	1	NORTH side of CORRIDOR		9:12	11:17	125	10.0/10.0	1250	3410	1		
54-1	1	SOUTH side of CORRIDOR		9:40	11:45	125	10.0/10.0	1250	3411	1		
54-2	1	IN THE middle of corridor		9:41	11:46	125	10.0/10.0	1250	3412	1		
54-3	1	NORTH side of CORRIDOR		9:42	11:47	125	10.0/10.0	1250	3413	1		
53-1	1	SOUTH side of CORRIDOR		10:15	12:20	125	10.0/10.0	1250	3414	1		
53-2	1	middle of corridor		10:16	12:21	125	10.0/10.0	1250	3415	1		
53-3	1	NORTH side of CORRIDOR		10:17	12:22	125	10.0/10.0	1250	3416	1		
52-1	1	SOUTH side of CORRIDOR		10:50	12:55	125	10.0/10.0	1250	3417	1		
52-2	1	middle of corridor		10:51	12:56	125	10.0/10.0	1250	3418	1		
52-3	1	NORTH side of CORRIDOR		10:52	12:57	125	10.0/10.0	1250	3419	1		5

Relinquished by (signature): [signature] Date/Time: 9/28/01

Received by (signature): [signature] Date/Time: 9/28/01 9:45

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103960

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 3

Client: Bovis
Project Site: HOTEL "THE MILLENIUM" HILTON
Project Address: 55 CHURCH ST., NY, NY
Report to: Name Company Tel/Fax

Project #: MBO-0025AB
Date: 09 28 01
Technician: M. SOKOLINSKY/P. TOLEDANO
Signature: M. Sokolinsky/P. Toledano
Rotometer: R 40

Date Analyzed: 9/30/01 Analyst:

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
51-1	1	SOUTH side of corridor		11:20	13:25	125	10.0/10.0	1250	3420	1		
51-2	1	middle of corridor		11:21	13:26	125	10.0/10.0	1250	3421	1		
51-3	1	NORTH side of corridor		11:22	13:27	125	10.0/10.0	1250	3422	1		
50-1	1	South side of corridor		11:55	14:00	125	10.0/10.0	1250	3423	1		
50-2	1	middle of corridor		11:56	14:01	125	10.0/10.0	1250	3424	1		
50-3	1	NORTH side of corridor		11:57	14:02	125	10.0/10.0	1250	3425	1		
49-1	1	SOUTH side of corridor		12:25	14:30	125	10.0/10.0	1250	3426	1		
49-2	1	middle of corridor		12:26	14:31	125	10.0/10.0	1250	3427	1		
49-3	1	NORTH side of corridor		12:27	14:32	125	10.0/10.0	1250	3428	1		
48-1	1	SOUTH side of corridor		13:30	15:35 OK	125	10.0/10.0	1250	3429	1		
48-2	1	middle of corridor		13:31	15:36 O.K	125	10.0/10.0	1250	3430	1		
48-3	1	NORTH of corridor		13:32	15:37 O.K	125	10.0/10.0	1250	3431	1		

Relinquished by (signature): M. Sokolinsky Date/Time:
Received by (signature): Date/Time: 9/28/01 9:45

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_00010396

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 3 of 3

Client: BOVIS
Project Site: HOTEL "THE MILLENIUM" HILTON
Project Address: 55 CHURCH ST., NY, NY
Report to: Name Company Tel/Fax

Project #: MBO-0025AB
Date: 09 28 01
Technician: M. SOKOLINSKY/O. KOLEDEN
Signature: of Koleden
Rotometer: R 40

Date Analyzed: 10/02/01 Analyst:

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
47-1	1	south side of corridor		14:20	16:25	125	10.0/10.0	1250	3399	1		
47-2	1	middle of corridor		14:21	16:26	125	10.0/10.0	1250	3400	1		
47-3	1	north of corridor		14:22	16:27	125	10.0/10.0	1250	3401	1		
46-1	1	south side of corridor		15:00	17:05	125	10.0/10.0	1250	3402	1		
46-2	1	middle — " —		15:01	17:06	125	10.0/10.0	1250	3403	1		
46-3	1	north — " —		15:02	17:07	125	10.0/10.0	1250	3404	1		
FB A		BLANK							3405	1		
FB B		BLANK							3406	1		
FB C		BLANK							3407	1		
										1		
										1		
										1		

Relinquished by (signature): Date/Time:
Received by (signature): Date/Time: 9/28/01 9:45

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103962

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 4

Client: BOVIS
Project Site: HOTEL "The MILLENUM" HILTON
Project Address: 55 CHURCH ST., NY, NY
Report to: ____ (Name / Company / Tel/Fax)
Date Analyzed: 10/05/01 Analyst: [signature]

Project #: MBO-0025AB
Date: 09 28 01
Technician: OLEG KOLEDENOV/M. SOKOLOV
Signature: [signature] M. Sokolova
Rotometer: R 40

PCM or (TEM)

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY — PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
45-1	1	south side of corridor		11:15	13:20	125	10.0/10.0	1250	3484	1		
45-2	1	middle — " —		11:16	13:21	125	10.0/10.0	1250	3485	1		
45-3	1	north — " —		11:17	13:22	125	10.0/10.0	1250	3486	1		
44-1	1	south side of corridor		11:45	13:50	125	10.0/10.0	1250	3487	1		
44-2	1	middle — " —		11:46	13:51	125	10.0/10.0	1250	3488	1		
44-3	1	north — " —		11:47	13:52	125	10.0/10.0	1250	3489	1		
43-1	1	south — " —		12:15	14:20	125	10.0/10.0	1250	3490	1		
43-2	1	middle — " —		12:16	14:21	125	10.0/10.0	1250	3491	1		
43-3	1	north — " —		12:17	14:22	125	10.0/10.0	1250	3492	1		
42-1	1	south — " —		12:45	14:50	125	10.0/10.0	1250	3493	1		
42-2	1	middle — " —		12:46	14:51	125	10.0/10.0	1250	3494	1		
42-3	1	north — " —		12:47	14:52	125	10.0/10.0	1250	3495	1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
[signature]	9/29/01 20:00	[signature]	9/29/01 8:30

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103963

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 4

Client: BOVIS
Project Site: HOTEL "The MILLENIUM" HILTON
Project Address: 55 CHURCH ST., NY, NY
Report to: _____ (Name / Company / Tel/Fax)
Date Analyzed: 10/04/01 Analyst: _____

Project #: MBO-0025 AB
Date: 09 29 01
Technician: MBOKOLINSKY/O. KOLEDEN
Signature: M. Sokolinsky
Rotometer: R 40

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY — PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
41-1	1	south side of corridor		13:15	15:20	125	10.0/10.0	1250	3472	1		
41-2	1	middle — " —		13:16	15:21	125	10.0/10.0	1250	3473	1		
41-3	1	north — " —		13:17	15:22	125	10.0/10.0	1250	3474	1		
40-1	1	south — "		13:45	15:50	125	10.0/10.0	1250	3475	1		
40-2	1	middle — " —		13:46	15:51	125	10.0/10.0	1250	3476	1		
40-3	1	north — " —		13:47	15:52	125	10.0/10.0	1250	3477	1		
39-1	1	south — " —		14:30	16:35	125	10.0/10.0	1250	3478	1		
39-2	1	middle — " —		14:31	16:36	125	10.0/10.0	1250	3479	1		
39-3	1	north — " —		14:32	16:37	125	10.0/10.0	1250	3481	1		
32-1	1	south — " —		14:45	16:50	125	10.0/10.0	1250	3481	1		
32-2	1	middle — " —		14:46	16:51	125	10.0/10.0	1250	3482	1		
32-3	1	north — " —		14:47	16:52	125	10.0/10.0	1250	3483	1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
			9/29/01 8:30

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_00010396

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 3 of 4

Client: BOVIS
Project Site: HOTEL, The MILLENIUM" HILTON
Project Address: 55 CHURCH ST., NY, NY
Report to: _____
Name Company Tel/Fax

Project #: MBO-0025AB
Date: 09 29 01
Technician: M. SOKOLINSKY / O. KOLEDEN
Signature: M. Sokolinsky Of
Rotometer: R40

Date Analyzed: 10/04/01 Analyst: _____

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
31-1	1	south side of corridor		15:30	17:35	125	10.0/10.0	1250	3460	1		
31-2	1	middle — " —		15:31	17:36	125	10.0/10.0	1250	3461	1		
31-3	1	north — " —		15:32	17:37	125	10.0/10.0	1250	3462	1		
30-1	1	south — " —		15:40	17:45	125	10.0/10.0	1250	3463	1		
30-2	1	middle — " —		15:41	17:46	125	10.0/10.0	1250	3464	1		
30-3	1	north — " —		15:42	17:47	125	10.0/10.0	1250	3465	1		
29-1	1	south — " —		15:50	17:55	125	10.0/10.0	1250	3466	1		
29-2	1	middle — " —		15:51	17:56	125	10.0/10.0	1250	3467	1		
29-3	1	north — " —		15:52	17:57	125	10.0/10.0	1250	3468	1		OVE WLASBE
28-1	1	south — " —		16:00	18:05	125	10.0/10.0	1250	3469	1		
28-2	1	middle — " —		16:01	18:06	125	10.0/10.0	1250	3470	1		
28-3	1	north — " —		16:02	18:07	125	10.0/10.0	1250	3471	1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
			9/29/01

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103965

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 4 of 4

Client: BOVIS
Project Site: HOTEL, The MILLENIUM HILTON
Project Address: 55 Church ST., NY, NY
Report to: Name Company Tel/Fax

Project #: MBO-0025AB
Date: 09 29 01
Technician: O. KOLEDENKOV/M. SOKOLINS
Signature: [signature] M. Sokolins
Rotometer: R 40

Date Analyzed: 10/02/01 Analyst: [signature]

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
FB A	1	BLANK							3456	1		
FB B	1	BLANK							3457	1		
FB C	1	BLANK							3458	1		
FB D	1	BLANK							3459	1		
										1		
										1		
										1		
										1		
										1		
										1		
										1		

Relinquished by (signature): [signature] Date/Time:
Received by (signature): [signature] Date/Time: 9/29/01

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103966

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 2

Client: BOVIS
Project Site: MILLENIUM HILTON, 39TH THRU 34TH & 27TH FLOORS
Project Address: 55 CHURCH STREET, NEW YORK, NY 10007
Report to: _____ (Name / Company / Tel/Fax)

Project #: MBQ-0025AB
Date: 09/29/01
Technician: T. CHHETRY
Signature: [signature]
Rotometer: TLI-1D

Date Analyzed: 10/03/01 Analyst: [signature]

PCM or (TEM)

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
39-1	1	39TH FLOOR, CORRIDOR NORTH		1030	1240	130	10/10	1300	3444	1		
39-2	1	39TH FLOOR, CORRIDOR CENTER		1031	1241	130	10/10	1300	3445	1		
39-3	1	39TH FLOOR CORRIDOR SOUTH		1032	1242	130	10/10	1300	3446	1		
38-1	1	38TH FLOOR, CORRIDOR NORTH		1100	1310	130	10/10	1300	3447	1		
38-2	1	38TH FLOOR, CORRIDOR CENTER		1101	1311	130	10/10	1300	3448	1		
38-3	1	38TH FLOOR, CORRIDOR SOUTH		1102	1312	130	10/10	1300	3449	1		
37-1	1	37TH FLOOR, CORRIDOR NORTH		1115	1325	130	10/10	1300	3450	1		
37-2	1	37TH FLOOR, CORRIDOR CENTER		1116	1326	130	10/10	1300	3451	1		
37-3	1	37TH FLOOR, CORRIDOR SOUTH		1117	1327	130	10/10	1300	3452	1		
36-1	1	36TH FLOOR, CORRIDOR NORTH		1245	1455	130	10/10	1300	3453	1		
36-2	1	36TH FLOOR, CORRIDOR CENTER		1246	1456	130	10/10	1300	3454	1		
36-3	1	36TH FLOOR, CORRIDOR SOUTH		1247	1457	130	10/10	1300	3455	1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
Tej	09/29/01	[signature]	9/29/01 8:15
[signature]	9/29/01 20:00		

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103967

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 2

Client: BOVIS
Project Site: MILLENIUM HILTON, 39TH THRU 34TH & 27TH FLOORS
Project Address: 55 CHURCH STREET, NEW YORK, NY 10007
Report to: _____ (Name / Company / Tel/Fax)

Project #: MBO-0025AB
Date: 09/29/01
Technician: T. CHIETRY
Signature: [signature]
Rotometer: TLI-10

Date Analyzed: 9/30/01 Analyst: [signature]

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
35-1	1	35TH FLOOR, CORRIDOR NORTH		1315	1525	130	10/10	1300	3432	1		
35-2	1	35TH FLOOR, CORRIDOR CENTER		1316	1526	130	10/10	1300	3433	1		
35-3	1	35TH FLOOR, CORRIDOR SOUTH		1317	1527	130	10/10	1300	3434	1		
34-1	1	34TH FLOOR, CORRIDOR NORTH		1320	1530	130	10/10	1300	3435	1		
34-2	1	34TH FLOOR, CORRIDOR CENTER		1321	1531	130	10/10	1300	3436	1		
34-3	1	34TH FLOOR, CORRIDOR SOUTH		1322	1532	130	10/10	1300	3437	1		
27-1	1	27TH FLOOR, CORRIDOR NORTH		1545	1755	130	10/10	1300	3438	1		
27-2	1	27TH FLOOR, CORRIDOR CENTER		1546	1756	130	10/10	1300	3439	1		
27-3	1	27TH FLOOR, CORRIDOR SOUTH		1547	1757	130	10/10	1300	3440	1		
BLK-1	1	FIELD BLANK		N/A	→	→	→	→	3441	1		
BLK-2	1	FIELD BLANK		N/A	→	→	→	→	3442	1		
BLK-3	1	FIELD BLANK		N/A	→	→	→	→	3443	1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
Tej	09/29/01	[signature]	9/29/01 8:15

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103968

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 2

Client: BOVIS
Project Site: MILLENIUM HILTON, 26TH THRU 24TH & 17TH THRU 15TH FLS
Project Address: 55 CHURCH STREET, NEW YORK, NY 10007
Report to: _____ (Name / Company / Tel/Fax)

Project #: BWO-0025AB
Date: 09/30/01
Technician: T. CHHETRY
Signature: [signature]
Rotometer: TLI-1D

Date Analyzed: 10/08/01 Analyst: [signature]

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # or TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
26-1	1	26TH FLOOR, CORRIDOR NORTH		0830	1040	130	10/10	1300	3536	1		
26-2	1	26TH FLOOR, CORRIDOR CENTER		0831	1041	130	10/10	1300	3537	1		
26-3	1	26TH FLOOR, CORRIDOR SOUTH		0832	1042	130	10/10	1300	3538	1		
25-1	1	25TH FLOOR, CORRIDOR NORTH		0850	1100	130	10/10	1300	3539	1		
25-2	1	25TH FLOOR, CORRIDOR CENTER		0851	1101	130	10/10	1300	3540	1		
25-3	1	25TH FLOOR, CORRIDOR SOUTH		0852	1102	130	10/10	1300	3541	1		
24-1	1	24TH FLOOR, CORRIDOR NORTH		0910	1120	130	10/10	1300	3542	1		
24-2	1	24TH FLOOR, CORRIDOR CENTER		0911	1121	130	10/10	1300	3543	1		
24-3	1	24TH FLOOR, CORRIDOR SOUTH		0912	1122	130	10/10	1300	3544	1		
17-1	1	17TH FLOOR, CORRIDOR NORTH		1110	1320	130	10/10	1300	3545	1		
17-2	1	17TH FLOOR, CORRIDOR CENTER		1111	1321	130	10/10	1300	3546	1		
17-3	1	17TH FLOOR, CORRIDOR SOUTH		1112	1322	130	10/10	1300	3547	1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
[signature]	09/30/01	D. Arent	10/01/01 9:40

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

[signature] 10/8/01

NYC-WTC_000103969

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 2

Client: BOVIS
Project Site: MILLENIUM HILTON, 26TH THRU 24TH & 17TH THRU 15TH FLOORS
Project Address: 55 CHURCH STREET, NEW YORK, NY 10007
Report to: Name Company Tel/Fax

Project #: BWO-0025 AB
Date: 09/30/01
Technician: T. CHIETRY
Signature:
Rotometer: TLI-10

Date Analyzed: 10/09/01 Analyst:

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # or TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
16-1	1	16TH FLOOR, CORRIDOR NORTH		1130	1340	130	10/10	1300	3548	1		
16-2	1	16TH FLOOR, CORRIDOR CENTER		1131	1341	130	10/10	1300	3549	1		
16-3	1	16TH FLOOR, CORRIDOR SOUTH		1132	1342	130	10/10	1300	3550	1		
15-1	1	15TH FLOOR, CORRIDOR NORTH		1300	1510	130	10/10	1300	3551	1		
15-2	1	15TH FLOOR, CORRIDOR CENTER		1301	1511	130	10/10	1300	3552	1		
15-3	1	15TH FLOOR, CORRIDOR SOUTH		1302	1512	130	10/10	1300	3553	1		
BLK-1	1	FIELD BLANK		N/A					3554	1		
BLK-2	1	FIELD BLANK		N/A					3555	1		
BLK-3	1	FIELD BLANK		N/A					3556	1		
										1		
										1		
										1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
Tej	09/30/01	D. Arnett	10/01/01 9:40

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103970

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 4 of 4

Client: BOVIS
Project Site: HOTEL, The MILLENIUM" HILTON
Project Address: 55 CHURCH ST., NY, NY
Report to: _____ (Name / Company / Tel/Fax)

Project #: MBO-0025AB
Date: 09 30 01
Technician: O.KOLEDENKOV/M.SOKOLI
Signature: _____ / M. Sokoli
Rotometer: R 40

Date Analyzed: 10/08/01 Analyst: _____ PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # 01 TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
FBA	1	BLANK							3532	1		
FBB	1	BLANK							3533	1		
FBC	1	BLANK							3534	1		
FBD	1	BLANK							3535	1		
										1		
										1		
										1		
										1		
										1		
										1		
										1		
										1		

Relinquished by (signature): M. Sokolinsky Date/Time: Received by (signature): D. Drown Date/Time: 10/1/01 9:15

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

Alex 9/30/01 2040

NYC-WTC_00010397I

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 3 of 4

Client: Bovis
Project Site: HOTEL "The MILLENIUM" HILTON
Project Address: 55 Church ST., NY, NY
Report to: Name Company Tel/Fax

Project #: MBO-0025AB
Date: 09 30 01
Technician: O. KOLEDENKO/M. SOKOLINSKI
Signature: O. Koledenko/M. Sokolinski
Rotometer: R 40

Date Analyzed: 10/08/01 Analyst: [signature] PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY — PCM # or TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
11-1	1	south side of the corridor		13:45	15:50	125	10.0/10.0	1250	3520	1		
11-2	1	middle — " —		13:46	15:51	125	10.0/10.0	1250	3521	1		
11-3	1	north — " —		13:47	15:52	125	10.0/10.0	1250	3522	1		
10-1	1	south — " —		14:00	16:05	125	10.0/10.0	1250	3523	1		
10-2	1	middle — " —		14:01	16:06	125	10.0/10.0	1250	3524	1		
10-3	1	north — " —		14:02	16:07	125	10.0/10.0	1250	3525	1		
9-1	1	south — " —		14:20	16:25	125	10.0/10.0	1250	3526	1		
9-2	1	middle — " —		14:21	16:26	125	10.0/10.0	1250	3527	1		
9-3	1	north — " —		14:22	16:27	125	10.0/10.0	1250	3528	1		
4-1		south — " —		14:45	16:50	125	10.0/10.0	1250	3529	1		
4-2		middle — " —		14:46	16:51	125	10.0/10.0	1250	3530	1		
4-3		north — " —		1447	16:52	125	10.0/10.0	1250	3531	1		

Relinquished by (signature): O. Koledenko/M. Sokolinski Date/Time:
Received by (signature): D. Brent Date/Time: 10/1/01 9:15

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103972

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 4

Client: BOVIS
Project Site: HOTEL, The MILLENIUM" HILTON
Project Address: 55 Church ST., NY, NY
Report to: _____
Name Company Tel/Fax

Project #: MBO-00 25AB
Date: 09 30 01
Technician: O. KOLEDENKOV/M. SOKOLIN
Signature: O. Koledenkov / M. Sokolin
Rotometer: R 40

Date Analyzed: 10/08/01 Analyst: [signature]

PCM or TEM

										ANALYSIS: LABORATORY USE ONLY			
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME		PCM # 01 TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
19-1	1	South side OF The COR-ridor		10:25	12:30	125	10.0/10.0	1250		3508	1		
19-2	1	middle — " —		10:26	12:31	125	10.0/10.0	1250		3509	1		
19-3	1	north — " —		10:27	12:32	125	10.0/10.0	1250		3510	1		
18-1	1	south — " —		10:45	12:50	125	10.0/10.0	1250		3511	1		
18-2	1	middle — " —		10:46	12:51	125	10.0/10.0	1250		3512	1		
18-3	1	north — " —		10:47	12:52	125	10.0/10.0	1250		3513	1		
14-1	1	south — " —		13:05	15:10	125	10.0/10.0	1250		3514	1		
14-2	1	middle — " —		13:06	15:11	125	10.0/10.0	1250		3515	1		
14-3	1	north — " —		13:07	15:12	125	10.0/10.0	1250		3516	1		
12-1	1	south — " —		13:25	15:30	125	10.0/10.0	1250		3517	1		
12-2	1	middle — " —		13:26	15:31	125	10.0/10.0	1250		3518	1		
12-3	1	north — " —		13:27	15:32	125	10.0/10.0	1250		3519	1		

Relinquished by (signature): O. Koledenkov / M. Sokolin Date/Time:
Received by (signature): D. Brent Date/Time: 10/1/01 9:15

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC-WTC_000103973

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 4

Client: BOVIS
Project Site: HOTEL "The MILLENIUM" HILTON
Project Address: 55 CHURCH ST., NY, NY
Report to: _____ (Name / Company / Tel/Fax)

Project #: MBO-0025AB
Date: 09 30 01
Technician: O. KOLEDENKOV/M. SOKOLINSK
Signature: O. Koledenkov/ M. Sokolinsk
Rotometer: R 40

Date Analyzed: 10/05/01 Analyst: _____ PCM or (TEM)

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY — PCM # or TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
23-1	1	south side of the corridor.		09:05	11:10	125	10.0/10.0	1250	3496	1		
23-2	1	middle — " —		09:06	11:11	125	10.0/10.0	1250	3497	1		
23-3	1	north — " —		09:07	11:12	125	10.0/10.0	1250	3498	1		
22-1	1	south — " —		09:25	11:30	125	10.0/10.0	1250	3499	1		
22-2	1	middle — " —		09:26	11:31	125	10.0/10.0	1250	3500	1		
22-3	1	NORTH — " —		09:27	11:32	125	10.0/10.0	1250	3501	1		
21-1	1	south — " —		09:45	11:50	125	10.0/10.0	1250	3502	1		
21-2	1	middle — " —		09:46	11:51	125	10.0/10.0	1250	3503	1		
21-3	1	north — " —		09:47	11:52	125	10.0/10.0	1250	3504	1		
20-1	1	south — " —		10:05	12:10	125	10.0/10.0	1250	3505	1		
20-2	1	middle — " —		10:06	12:11	125	10.0/10.0	1250	3506	1		
20-3	1	north — " —		10:07	12:12	125	10.0/10.0	1250	3507	1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
O. Koledenkov/ M. Sokolinsk		D. Hoot	10/1/01 9:15

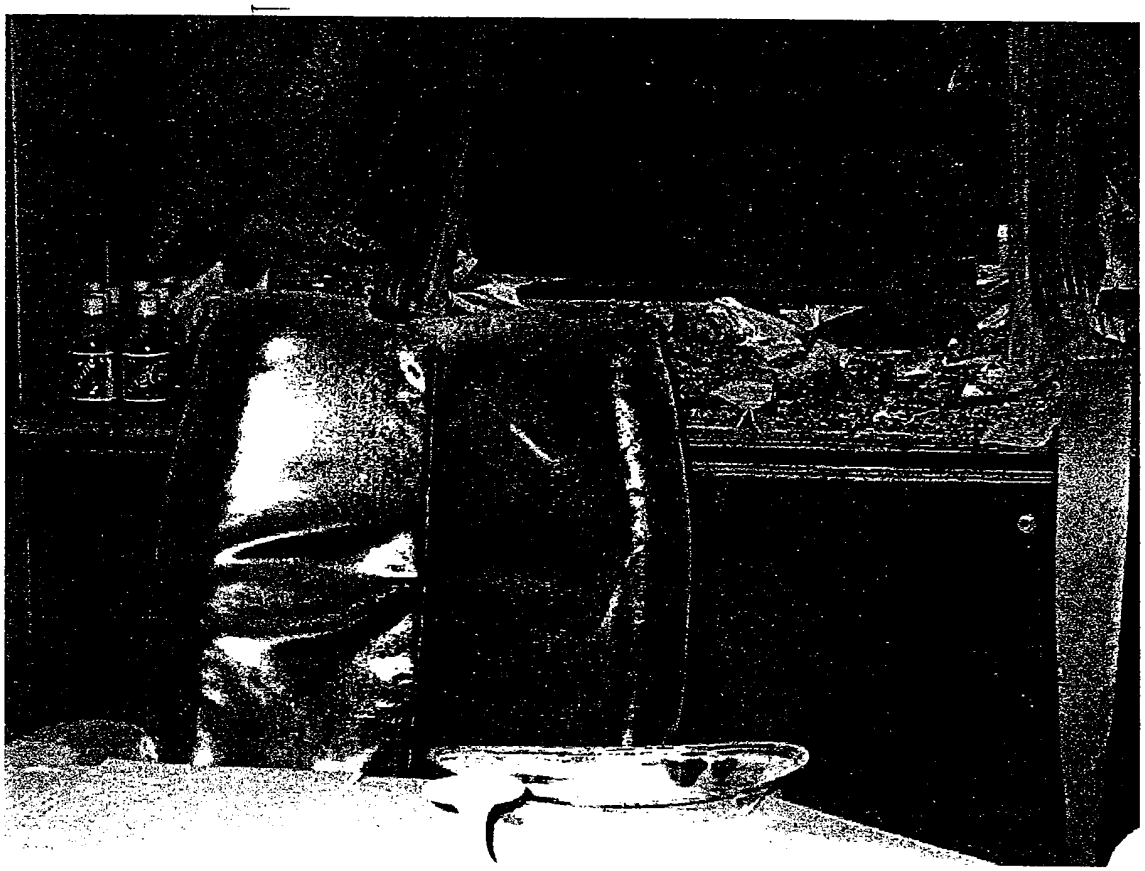
SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC 9/11 Public Portal Document

APPENDIX C

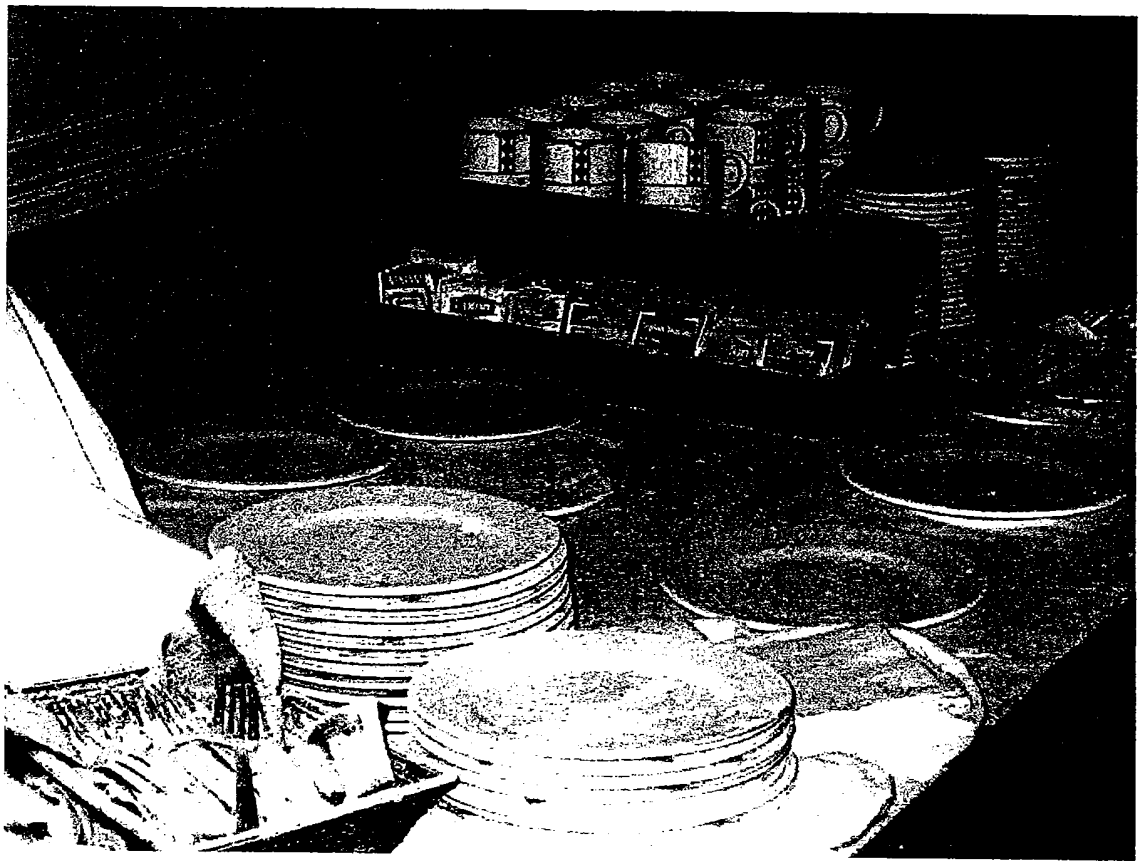
PHOTOGRAPHS

NYC 9/11 Public Portal Document



MILLENNIUM HILTON
4TH FLOOR CORRIDOR
SEPTEMBER 30, 2001

NYC 9/11 Public Portal Document



MILLENNIUM HILTON
4TH FLOOR FOOD TABLE
SEPTEMBER 30, 2001

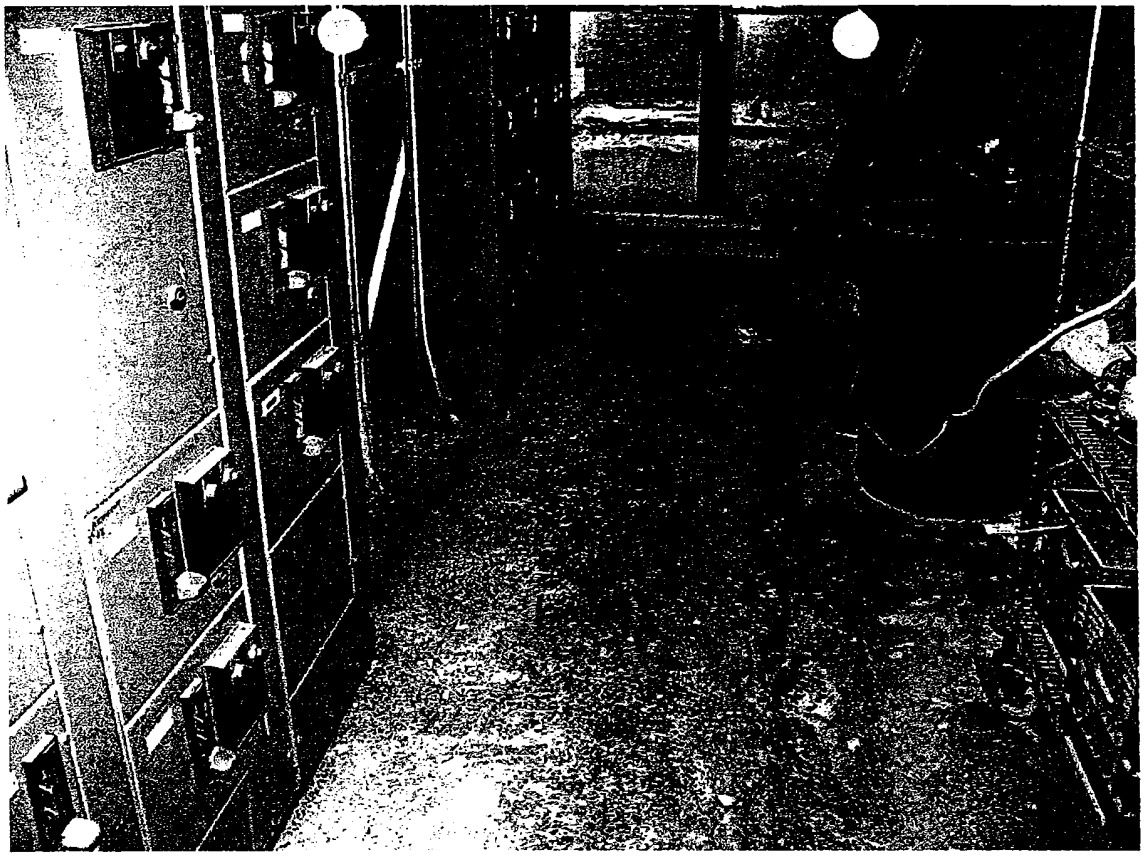
NYC 9/11 Public Portal Document

MILLENNIUM HILTON
5TH FLOOR CORRIDOR
SEPTEMBER 30, 2001

NYC 9/11 Public Portal Document

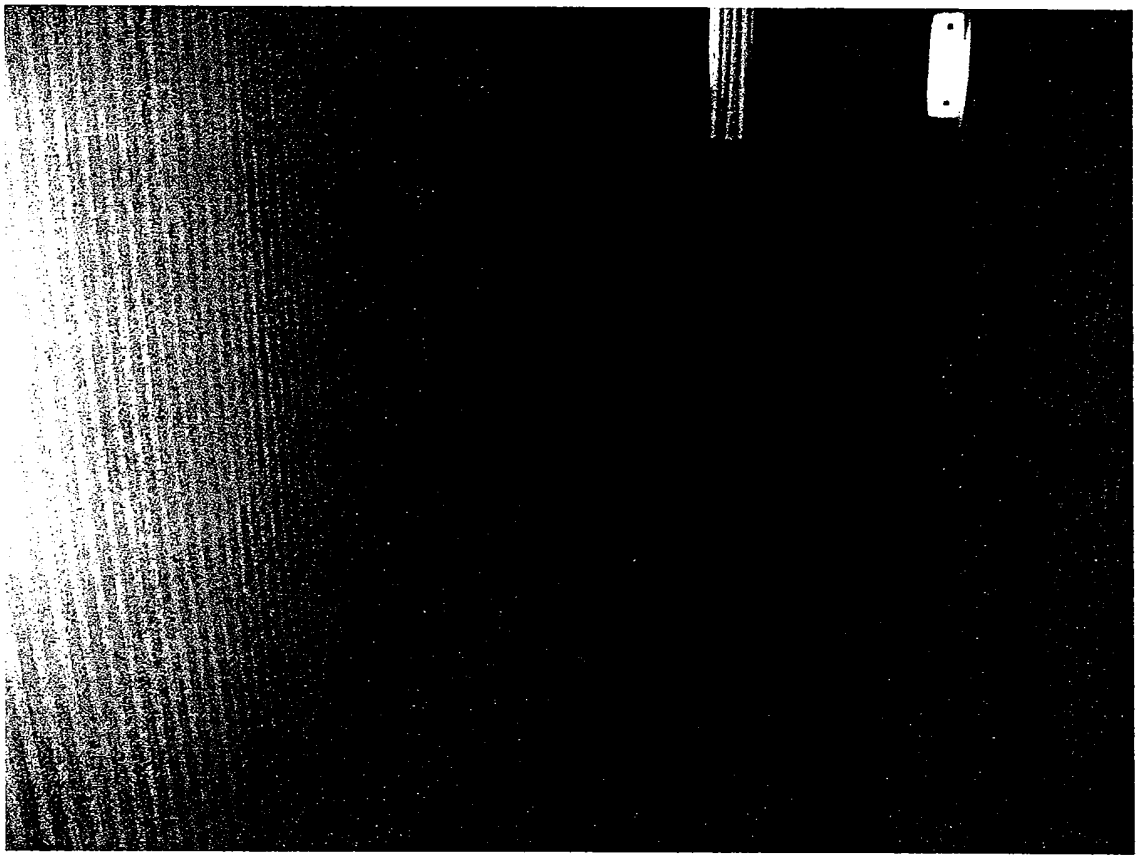
MILLENNIUM HILTON
5TH FLOOR OFFICES
SEPTEMBER 30, 2001

NYC 9/11 Public Portal Document



MILLENNIUM HILTON
6TH FLOOR MECHANICAL SPACES
SEPTEMBER 30, 2001

NYC 9/11 Public Portal Document

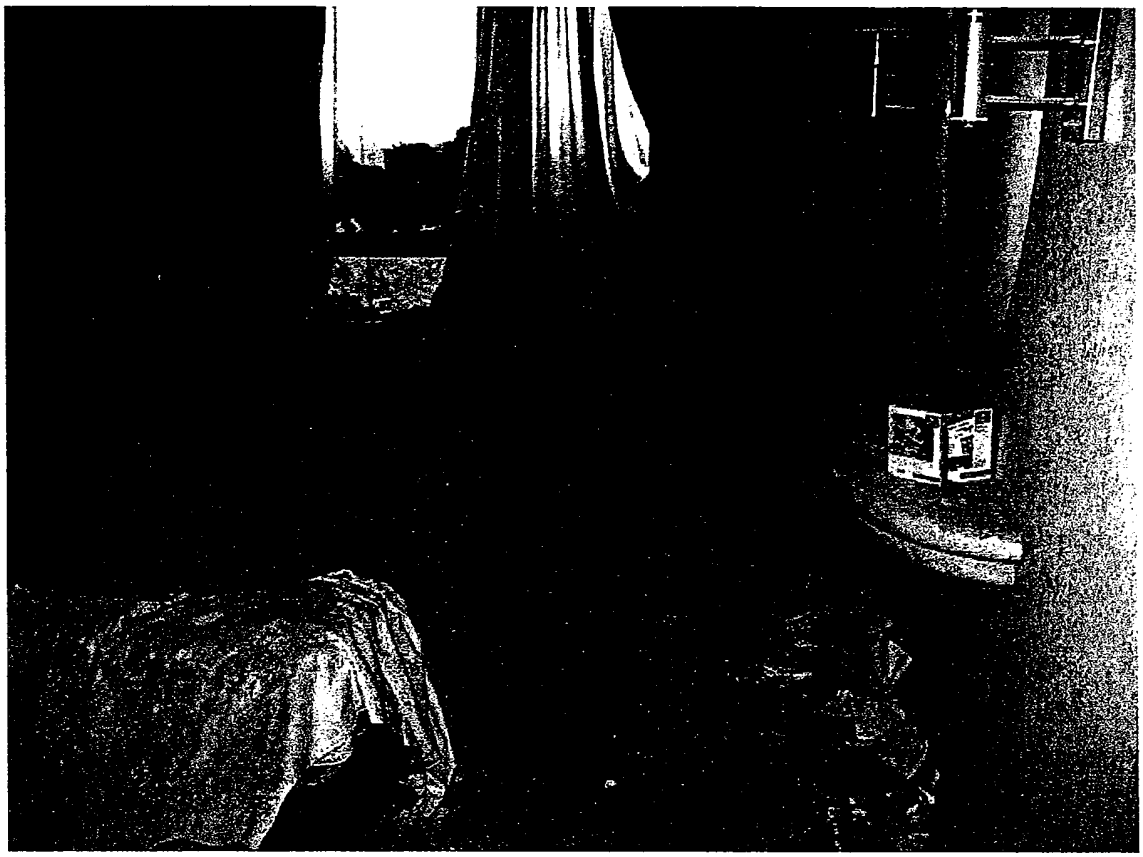


MILLENNIUM HILTON
12TH FLOOR CORRIDOR
SEPTEMBER 30, 2001

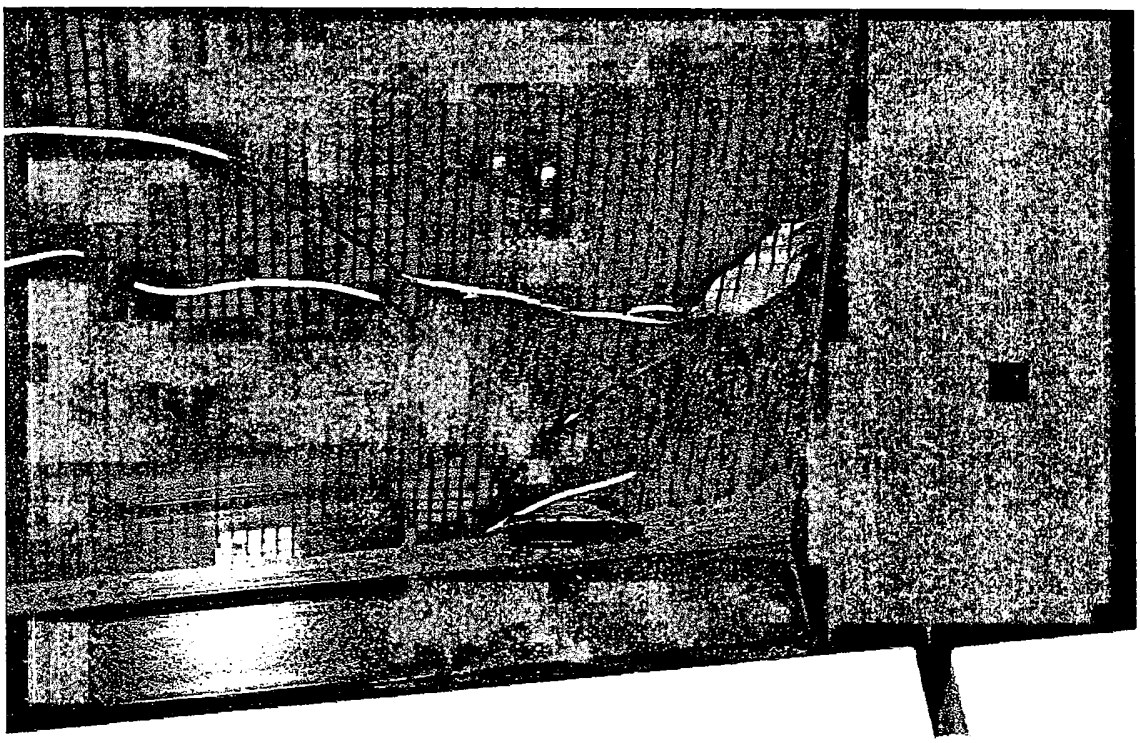
NYC 9/11 Public Portal Document

MILLENNIUM HILTON
GUEST ROOM ON 12TH FLOOR
BROKEN GLASS
SEPTEMBER 30, 2001

NYC 9/11 Public Portal Document



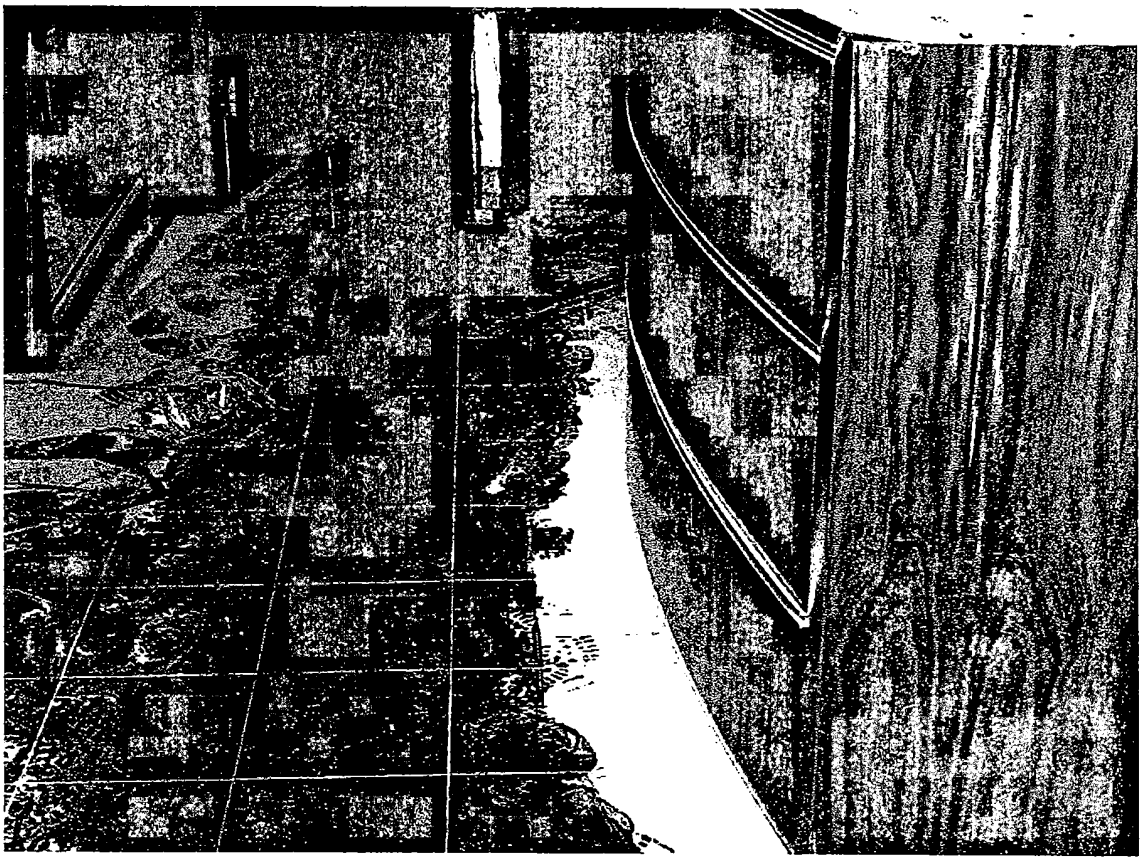
MILLENNIUM HILTON
GUEST ROOM ON 18TH FLOOR
BROKEN GLASS
SEPTEMBER 30, 2001



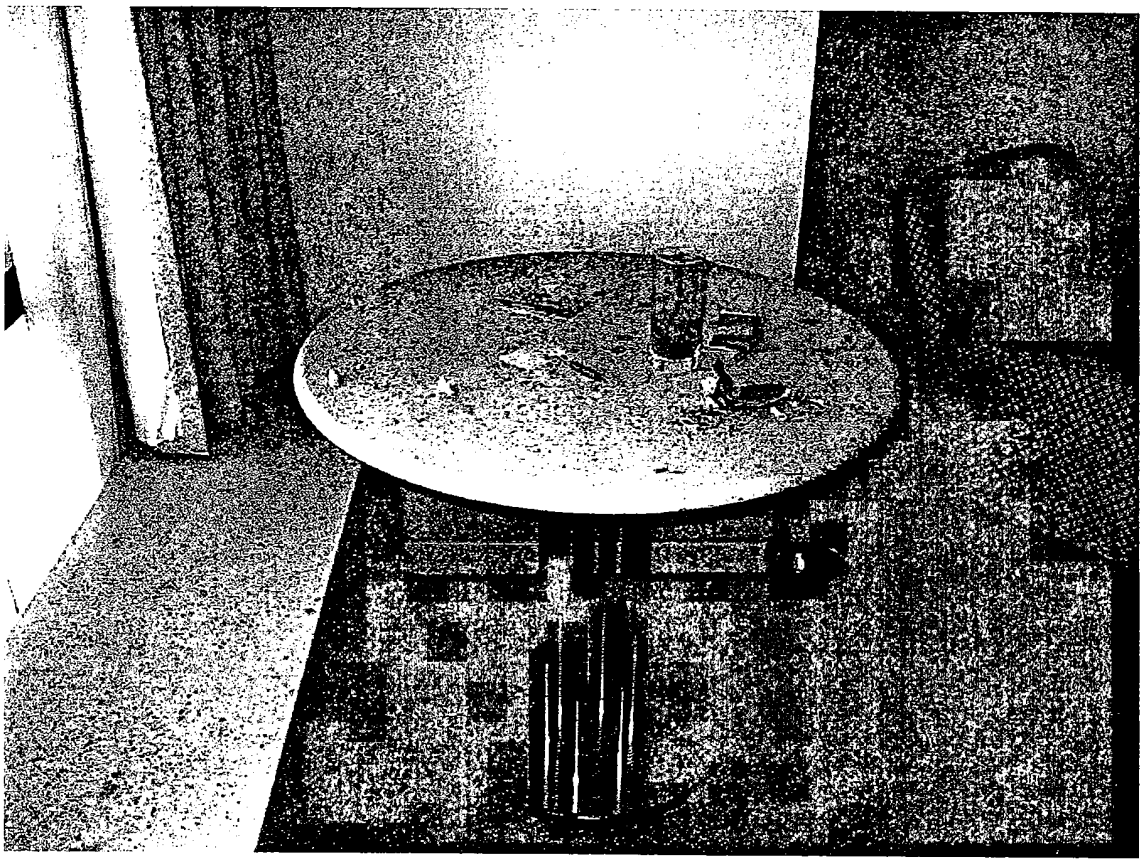
MILLENNIUM HILTON
GUEST ROOM ON 18TH FLOOR
BROKEN EXTERIOR GLASS
SEPTEMBER 30, 2001

NYC 9/11 Public Portal Document

MILLENNIUM HILTON
ELEVATORS LOBBY
TYPICAL
SEPTEMBER 28, 2001

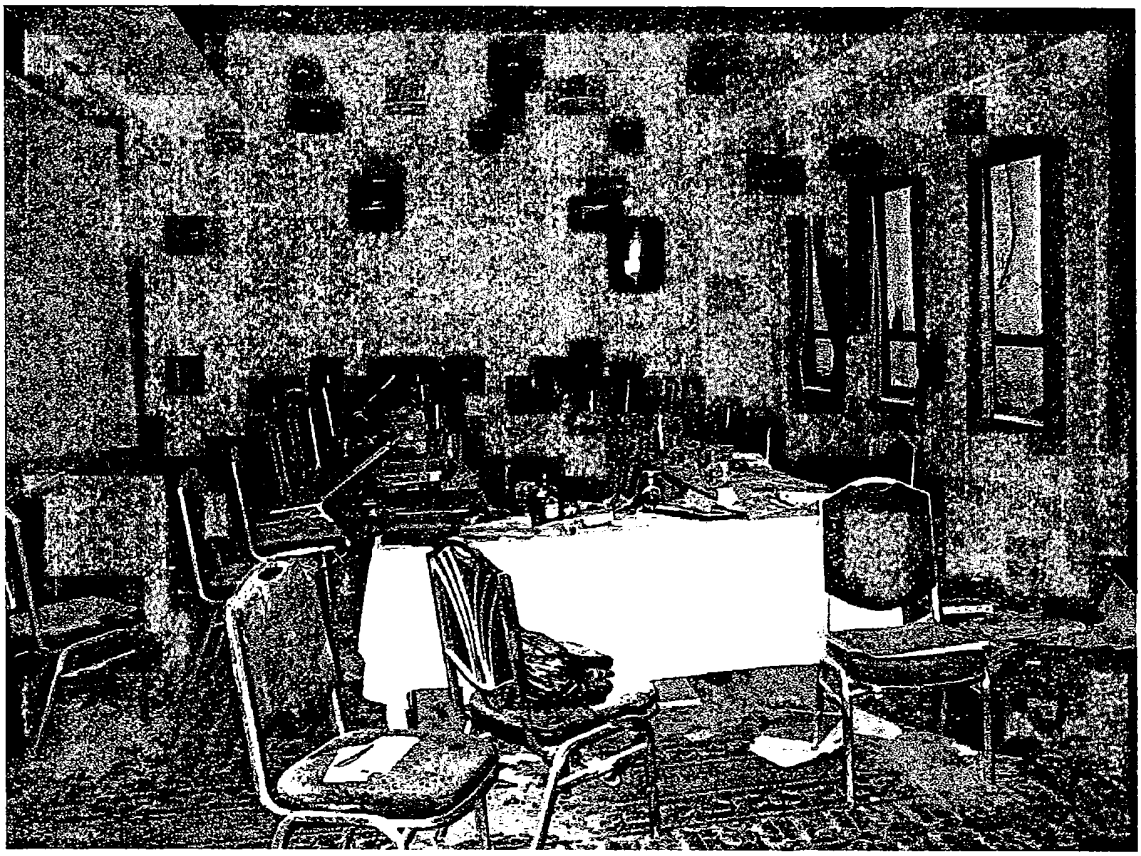


MILLENNIUM HILTON
55TH FLOOR LOBBY
SEPTEMBER 28, 2001



MILLENNIUM HILTON
GUEST ROOM WITH OPENED WINDOW
52ND FLOOR
SEPTEMBER 28, 2001

NYC 9/11 Public Portal Document



MILLENNIUM HILTON
4TH FLOOR "NOHO" ROOM
SEPTEMBER 30, 2001

NYC 9/11 Public Portal Document

APPENDIX D

COMPANY CERTIFICATIONS AND CREDENTIALS OF INSPECTOR

NYC-WTC_000103989

NYC 9/11 Public Portal Document

STATE OF NEW YORK - DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, STATE CAMPUS
ALBANY, NY 12240

ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE

LICENSE NUMBER: PII
DATE OF ISSUE: 12/05/00
EXPIRATION DATE: 12/31/01

Contractor: Testwell Laboratories, Inc.

Address: 47 Hudson Street
Ossining, NY 10562

Duly Authorized Representative: Charles Schnugg

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

DOSH 432 (1-98)

MUST BE CARRIED ON ASBESTOS PROJECTS

PII

PII

ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

DOSH-442 (01/91)

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES
C (06/02), D (06/02), H (06/02)
I (06/02)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

PII

CITY OF NEW YORK

ASBESTOS CERTIFICATE

CITY OF NEW YORK

DEP

ASBESTOS CERTIFICATE

PII

MUST BE CARRIED ON ASBESTOS PROJECTS

PII

PII

ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

If found return to:

New York City Dept. of Environmental Protection
Asbestos Control Program
59-17 Junction Blvd. 8th Floor Corona, NY 11368

This certificate must be shown to a Department representative upon request. Report Loss immediately. Renew license 60 days prior to expiration date.

Tampering and or alteration of this certificate is a CRIMINAL offense.

PII

PII

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES

C -	SAMPLING TECHNICIAN	(02/02)
D -	INSPECTOR	(02/02)
H -	PROJECT MONITOR	(02/02)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

DOSH-442 (01/01)

MUST BE CARRIED ON ASBESTOS PROJECTS

PII

PII

ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES

C - SAMPLING TECHNICIAN (12/01)
D - INSPECTOR (12/01)
H - PROJECT MONITOR (12/01)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

DOSH-442 (01/01)

MUST BE CARRIED ON ASBESTOS PROJECTS

PII

PII

ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 587, New York, NY 10014-0587

DOSH-442 (01/91)

STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES
C - SAMPLING TECHNICIAN (10/01)
H - PROJECT MONITOR (10/01)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

NYC 9/11 Public Portal Document

APPENDIX E

LABORATORY ACCREDITATIONS AND CERTIFICATIONS

NYC 9/11 Public Portal Document

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2002
Issued April 17, 2001
Revised August 23, 2001

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. DEBORAH MCCARL
TESTWELL LABORATORIES INC
47 HUDSON STREET-BUILDING B
OSSINING NY 10562 USA

NY Lab Id No: 11142
EPA Lab Code: NY00055

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material	Method Not Specified
Asbestos in Non-Friable Materi	Method Not Specified

Serial No.: 13476

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal and may be verified by calling (518)485-5570.

DOH-3317 (3/97)

NYC-WTC_000103995

NYC 9/11 Public Portal Document

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-

May 22, 2001

Mr. V. Reddy Kancharla
Testwell Labs., Inc./Testwell Ind.
47 Hudson Street
Ossining, NY 10562

NVLAP Lab Code: 200083-0

Dear Mr. Kancharla:

I am pleased to inform you that continuing accreditation for specific test methods in Bulk Asbestos Fiber Analysis (PLM) is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until June 30, 2002, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

Your Certificate of Accreditation is enclosed along with a statement of your Scope of Accreditation. You may reproduce these documents in their entirety and announce your organization's accreditation status using the NVLAP logo in business publications, the trade press, and other business-oriented literature. Accreditation does not relieve your organization from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Thomas R. Davis, Sr. Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

David F. Alderman

David F. Alderman, Chief
Laboratory Accreditation Program

Enclosure(s)

NIST

NYC-WTC_000103996

NYC 9/11 Public Portal Document

National Institute of Standards and Technology

NVLAP®

National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation

BULK ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200083-0**

TESTWELL LABORATORIES, INC./TESTWELL INDUSTRIES, INC.
47 Hudson Street
Ossining, NY 10562
Mr. V. Reddy Kancharla
Phone: 914-762-9000 Fax: 914-762-9638
URL: http://www.testwelllabs.com

NVLAP Code	*Designation*
18/A01	EPA-600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

June 30, 2002
Effective through

David F. Alderman
For the National Institute of Standards and Technology

NVLAP-01S (11-95)

NYC-WTC_000103997

NYC-WTC_000103998

NYC 9/11 Public Portal Document

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

TESTWELL LABORATORIES, INC./TESTWELL INDUSTRIES, INC.
OSSINING, NY

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

BULK ASBESTOS FIBER ANALYSIS

June 30, 2002
Effective through

David F. Alderman
For the National Institute of Standards and Technology

NVLAP Lab Code: 200083-0

NVLAP-01C (11-95)

NYC 9/11 Public Portal Document

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-

May 22, 2001

Mr. V. Reddy Kancharla
Testwell Labs., Inc./Testwell Ind.
47 Hudson Street
Ossining, NY 10562

NVLAP Lab Code: 200083-0

Dear Mr. Kancharla:

I am pleased to inform you that continuing accreditation for specific test methods in Airborne Asbestos Fiber Analysis (TEM) is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until June 30, 2002, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

Your Certificate of Accreditation is enclosed along with a statement of your Scope of Accreditation. You may reproduce these documents in their entirety and announce your organization's accreditation status using the NVLAP logo in business publications, the trade press, and other business-oriented literature. Accreditation does not relieve your organization from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Thomas R. Davis, Sr. Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

David F. Alderman

David F. Alderman, Chief
Laboratory Accreditation Program

Enclosure(s)

NIST

NYC 9/11 Public Portal Document

National Institute of Standards and Technology

NVLAP

National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation

AIRBORNE ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 200083-0**

TESTWELL LABORATORIES, INC./TESTWELL INDUSTRIES, INC.
47 Hudson Street
Ossining, NY 10562
Mr. V. Reddy Kancharla
Phone: 914-762-9000 Fax: 914-762-9638
URL: http://www.testwelllabs.com

NVLAP Code	*Designation*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

June 30, 2002
Effective through

David F. Alderman
For the National Institute of Standards and Technology

NVLAP-01S (11-95)

NYC-WTC_000104001

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United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

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OSSINING, NY

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AIRBORNE ASBESTOS FIBER ANALYSIS

June 30, 2002
Effective through

David F. Alderman
For the National Institute of Standards and Technology

NVLAP Lab Code: 200083-0

NVLAP-01C (11-95)

NYC-WTC_000104002

NYC 9/11 Public Portal Document

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

TESTWELL LABORATORIES, INC./TESTWELL INDUSTRIES, INC.
OSSINING, NY

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AIRBORNE ASBESTOS FIBER ANALYSIS

June 30, 2002
Effective through

David F. Alderman
For the National Institute of Standards and Technology

NVLAP Lab Code: 200083-0

NVLAP-01C (11-95)

NYC 9/11 Public Portal Document

National Institute of Standards and Technology

NVLAP

National Voluntary Laboratory Accreditation Program

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Scope of Accreditation

AIRBORNE ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200083-0

TESTWELL LABORATORIES, INC./TESTWELL INDUSTRIES, INC.
47 Hudson Street
Ossining, NY 10562
Mr. V. Reddy Kancharla
Phone: 914-762-9000 Fax: 914-762-9638
URL: http://www.testwelllabs.com

NVLAP Code	*Designation*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

June 30, 2002

Effective through

David F. Alderman

For the National Institute of Standards and Technology

NVLAP-01S (11-95)

NYC 9/11 Public Portal Document

UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899-

May 22, 2001

Mr. V. Reddy Kancharla
Testwell Labs., Inc./Testwell Ind.
47 Hudson Street
Ossining, NY 10562

NVLAP Lab Code: 200083-0

Dear Mr. Kancharla:

I am pleased to inform you that continuing accreditation for specific test methods in Airborne Asbestos Fiber Analysis (TEM) is granted to your organization under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until June 30, 2002, provided that your organization continues to comply with accreditation requirements contained in the NVLAP Procedures.

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We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Thomas R. Davis, Sr. Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-4016.

Sincerely,

David F. Alderman

David F. Alderman, Chief
Laboratory Accreditation Program

Enclosure(s)

NIST

NYC 9/11 Public Portal Document

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
Antonia C. Novello, M.D., M.P.H., Dr.P.H. Commissioner

Expires 12:01 AM April 01, 2002
Issued April 17, 2001
Revised August 23, 2001

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. DEBORAH MCCARL
TESTWELL LABORATORIES INC
47 HUDSON STREET-BUILDING B
OSSINING NY 10562 USA

NY Lab Id No: 11142
EPA Lab Code: NY00055

is hereby APPROVED as an Environmental Laboratory for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved subcategories and/or analytes are listed below:

Miscellaneous Air

Asbestos	Method Not Specified
Fibers	Method Not Specified

Serial No.: 13477

Property of the New York State Department of Health. Valid only at the address shown. Must be conspicuously posted. Valid certificates have a raised seal and may be verified by calling (518)485-5570.

DOH-3317 (3/97)

NYC-WTC_000104005

NYC 9/11 Public Portal Document

TESTWELL℠
LABORATORIES, INC.

Baseline
Asbestos Air Sample Results (TEM)

at
The Millennium Hilton Hotel
55 Church Street
New York, New York

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Date Collected: 10/13/01
Date Rec'd (lab): 10/13/01
Analysis Date: 10/14/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy & B. Feldman

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
1A	Center Lobby	3697	1260.0	6	0.073	0	<13.77	<0.004
2A	North Side of Lobby	3698	1260.0	6	0.073	0	<13.77	<0.004
3A	Telemarketing Office Area-South Side	3699	1260.0	6	0.073	0	<13.77	<0.004
4A	5th Floor Office Room near Pool	3700	1260.0	6	0.073	16	220.39	0.068
5A	5th Floor Executive Offices	3701	1260.0	6	0.073	2	27.55	0.008
6A	5th Floor Office South Side	3702	1260.0	6	0.073	1	13.77	0.004
7A	Between Pay Phones and Elevators at 4th Floor	3703	1260.0	6	0.073	1	13.77	0.004
8A	4th Floor Central Conference Room	3704	1260.0	6	0.073	5	68.87	0.021
9A	4th Floor South Side in Corridor	3705	1260.0	6	0.073	7	96.42	0.030
10A	North Side at 3rd Floor	3706	1260.0	6	0.073	0	<13.77	<0.004
11A	3rd Floor Central Area at Cafeteria	3707	1260.0	6	0.073	1	13.77	0.004
12A	South Side at 3rd Floor	3708	1260.0	6	0.073	0	<13.77	<0.004

	Structures/mm²	Structures/cc
Total Average Concentrations	43.61	0.012

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Laboratory Director/Approved Signatory

NYC-WTC_00010400B

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 2

Client: Bovis
Project Site: "The Millenium Hilton" Hotel, Lobby, C floor, 2nd, 3rd, 4th and 5th floors
Project Address: 55 Broadway, New York, N.Y.
Report to: Mike Deane (Name) Bovis (Company) Tel/Fax
Date Analyzed: 10-14-01 Analyst:
PCM or TEM

Project #: MBO-0025AB
Date: 10/13/01
Technician: M. Sokaliyskiy / B. Feldman
Signature: M. Sokolinskiy / B. Feldman
Rotometer: R-40
Turnaround – Rush.

ANALYSIS: LABORATORY USE ONLY

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
1-A	1	Center Lobby		10:00	13:30	210	6/6	1260	01503 / 3697	1/6	0.0025	
2-A	1	North side at Lobby.		10:01	13:31	210	6/6	1260	01504 / 3698	1/8	0.0031	
3-A	1	Telemarketing Offices Area, South side,		10:03	13:33	210	6/6	1260	01505 / 3699	1/7	0.0027	
4-A	1	5th floor Office room, near pool		10:10	13:40	210	6/6	1260	01502 / 3700	1/4	<0.0024	
5-A	1	5th floor Executive offices		10:12	13:42	210	6/6	1260	01507 / 3701	1/9	0.0035	
6-A	1	5th floor. Office at South side		10:14	13:44	210	6/6	1260	01508 / 3702	1/4	<0.0024	
7-A	1	Between pay phones and elevators area at 4th fl.		10:20	13:50	210	6/6	1260	01509 / 3703	1/3	<0.0021	
8-A	1	4th floor. Central Conference room		10:21	13:51	210	6/6	1260	01510 / 3704	1/2.5	<0.0021	
9-A	1	4th floor South side in corridor.		10:22	13:52	210	6/6	1260	01511 / 3705	1/6	0.0026	
10-A	1	North side at 3rd floor		10:30	14:00	210	6/6	1260	01512 / 3706	1/10	0.0044	
11-A	1	3rd floor Central area at cafeteria		10:31	14:01	210	6/6	1260	01513 / 3707	1/8	0.0037	
12-A	1	South side at 3rd floor.		10:32	14:02	210	6/6	1260	01514 / 3708	1/4	<0.0021	

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
M. Sokolinskiy	10/13/01 17:15		10-13-01 19:00

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolinskiy & B. Feldman

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 10/13/01
Date Rec'd (lab): 10/13/01
Analysis Date: 10/14/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
13A	2nd Floor Landing Dock	3709	1260.0	6	0.073	0	<13.77	<0.004
14A	2nd Floor by Elevator 2D	3710	1260.0	6	0.073	0	<13.77	<0.004
15A	2nd Floor by Purchasing Department	3711	1260.0	6	0.073	0	<13.77	<0.004
16A	C Level by Stairway A	3712	1260.0	6	0.073	0	<13.77	<0.004
17A	C Level by Drinking Fountain	3713	1260.0	6	0.073	0	<13.77	<0.004
18A	C Level at Security Office	3714	1260.0	6	0.073	0	<13.77	<0.004
19A	Blank	3715	0.0	6	0.073	0	N/A	N/A
20A	Blank	3716	0.0	6	0.073	0	N/A	N/A

	Structures/mm²	Structures/cc
Total Average Concentrations	<13.77	<0.004

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Laboratory Director/Approved Signatory

NYC-WTC_000104010

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TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 2

Client: Bovis
Project Site: "Le Millenium Hilton" Hotel - Lobby, C floor, 2nd, 3rd, 4th and 15th floor.
Project Address: 55 Broadway, New York, NY.
Report to: Mike Deane (Name) Bovis (Company) Tel/Fax
Date Analyzed: 10-14-01 Analyst: [illegible]
PCM or TEM

Project #: MBO-0025AB
Date: 10/13/01
Technician: B. PEHMAN / M. Sokolinsky
Signature: [illegible] / M. Sokolinsky
Rotometer: R-40
Turnaround — RUSH

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY — PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
13-A	1	2nd floor, Loading dock		10:35	14:05	210	6/6	1260	21515 / 3709	1/6	0.0025	
14-A	1	2nd floor By elevator 2D		10:36	14:06	210	6/6	1260	21516 / 3710	1/6	0.0043	
15-A	1	2nd floor. By Purchasing Depart		10:38	14:08	210	6/6	1260	21517 / 3711	1/6	0.0049	
16-A	1	C level By steinway A		10:42	14:12	210	6/6	1260	21518 / 3712	1/6	0.0021	
17-A	1	C level By drinq fountain		10:44	14:14	210	6/6	1260	21519 / 3713	1/6	0.0027	
18-A	1	C level At security office		10:45	14:15	210	6/6	1260	21520 / 3714	1/6	0.0023	
19-A	+	BLANK							21521 / 3715	1/0	0/4	
20-A	1	BLANK							21522 / 3716	1/0	0/4	
										1		
										1		
										1		
										1		

Relinquished by (signature): M. Sokolinsky Date/Time: 10/13/01 17:15
Received by (signature): Date/Time: 10-13-01

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolonskiy

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 10/18/01
Date Rec'd (lab): 10/19/01
Analysis Date: 10/19/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
1A-4101	Room #4101	3770	1260.0	6	0.073	10	137.74	0.042
2A-4102	Room #4102	3771	1260.0	6	0.073	7	96.42	0.029
3A-41Fl.S	Corridor, South Side	3772	1260.0	6	0.073	6	82.64	0.025
4A-4103	Room #4103	3773	1260.0	6	0.073	12	165.29	0.051
5A-4104	Room #4104	3774	1260.0	6	0.073	11	151.52	0.046
6A-4105	Room #4105	3775	1260.0	6	0.073	11	151.52	0.046
7A-4106	Room #4106	3776	1260.0	6	0.073	8	110.19	0.034
8A-41Fl.M.	Corridor at the Middle	3777	1260.0	6	0.073	5	68.87	0.021
9A-4107	Room #4107	3778	1260.0	6	0.073	10	137.74	0.042
10A-4108	Room #4108	3779	1260.0	6	0.073	6	82.64	0.025
11A-4109	Room #4109	3780	1260.0	6	0.073	8	110.19	0.034
12A-41Fl.N.	Corridor, North Side	3781	1260.0	6	0.073	10	137.74	0.042
							Structures/mm²	Structures/cc
					Total Average Concentrations		119.38	0.036

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NYC-WTC_000104012

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TESTWELL LABORATORIES, INC.
47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 1 of 2

Client: Bovis
Project Site: HOTEL, The Millenium Hilton" - 41st floor and C-level and SC-level (garage).
Project Address: 55 Church st., New York, N.Y.
Report to: _____ (Name / Company / Tel/Fax)

Project #: MBO-025AB
Date: 10/18/01
Technician: M. SOKOLINSKY
Signature: M. Sokolinsky
Rotometer: R-40

Date Analyzed: 10/18/01 Analyst: _____

PCM or (TEM)

Turnaround - ASAP.

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # 01 TEM #	FIBERS/ FIELDS	RESULTS f/cc | s/cc	RESULTS s/mm² | s/mm²	
1A-4101	1	Room #4101		14:10	17:40	210	6/6	1260	3770	1			10
2A-4102	1	Room #4102		14:12	17:42	210	6/6	1260	3771	1			7
3A-4fl.S.	1	Corridor, South side		14:14	17:44	210	6/6	1260	3772	1			6
4A-4103	1	Room #4103		14:16	17:46	210	6/6	1260	3773	1			12
5A-4104	1	Room #4104		14:18	17:48	210	6/6	1260	3774	1			11
6A-4105	1	Room #4105		14:20	17:50	210	6/6	1260	3775	1			8
7A-4106	1	Room #4106		14:22	17:52	210	6/6	1260	3776	1			5
8A-4fl.m.	1	Corridor at the middle		14:24	17:54	210	6/6	1260	3777	1			9
9A-4107	1	Room #4107		14:26	17:56	210	6/6	1260	3778	1			11
10A-4108	1	Room #4108		14:28	17:58	210	6/6	1260	3779	1			6
11A-4109	1	Room #4109		14:30	18:00	210	6/6	1260	3780	1			8
12A-4fl.N	1	Corridor, North side		14:32	18:02	210	6/6	1260	3781	1			10

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
M. Sokolinsky	10/18/01	J. Yarusso	10/19/01 10:00 AM

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

10/19/01 10.0

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: M. Sokolonskiy

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Project #: MBO-025AB

Date Collected: 10/18/01
Date Rec'd (lab): 10/19/01
Analysis Date: 10/22/01
TEM Analyst: *D. McCarl*
Analytical Method: AHERA
EPA 40 CFR Part 763

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
13A-4110	Room #4110	3782	1260.0	6	0.073	6	82.64	0.025
14A-4111	Room #4111	3783	1260.0	6	0.073	9	123.97	0.038
15A-4112	Room #4112	3784	1260.0	6	0.073	14	192.84	0.059
16A-4114	Room #4114	3785	1260.0	6	0.073	6	82.64	0.025
17A-CE	C-Level Garage, East Side	3786	1260.0	6	0.073	0	<13.77	<0.004
18A-CW	C-Level Garage, West Side	3787	1260.0	6	0.073	2	27.55	0.008
19A-SCE	SC-Level Garage, East Side	3788	1260.0	6	0.073	1	13.77	0.004
20A-SCW	SC-Level Garage, West Side	3789	1260.0	6	0.073	2	27.55	0.008
21A	Field Blank	3790	0.0	6	0.073	0	N/A	N/A
22A	Field Blank	3791	0.0	6	0.073	0	N/A	N/A

	Structures/mm²	Structures/cc
Total Average Concentrations	70.59	0.021

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47 Hudson Street, Ossining, N.Y. 10562 TEL (914) 944-2570 FAX (914) 941-4154

Air Sample Data Chain of Custody Page 2 of 2

Client: Bovis
Project Site: Hotel, The Millenium Hilton" - 41st floor, C-level and SC-level (garage).
Project Address: 55 church st. New York, N.Y.
Report to: Michael Dear (Name) (Company) 212-592-6964. (Tel/Fax)
Date Analyzed: 10/22/01 Analyst:

PCM or TEM

Project #: MBO-025AB
Date: 10/18/01
Technician: M. Sokolinsky
Signature: M. Sokolinsky
Rotometer: R-40
Turnaround - ASAP

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS f/cc | s/cc	RESULTS f/mm² | s/mm²
13A-4110	1	Room # 4110		18:10	21:40	210	6/6	1260	3782	1		
14-A-4111	1	Room #4111		18:12	21:42	210	6/6	1260	3783	1		
15A-4112	1	Room #4112		18:14	21:44	210	6/6	1260	3784	1		
16A-4114	1	Room #4114		18:16	21:46	210	6/6	1260	3785	1		
17A-CE	1	C-level garage, East side		18:25	21:55	210	6/6	1260	3786	1		
18A-CW	1	C-level garage, West side		18:26	21:56	210	6/6	1260	3787	1		
19A-SCE	1	SC-level garage, East side		18:35	22:05	210	6/6	1260	3788	1		
20A-SCW	1	SC-level garage, West side		18:36	22:06	210	6/6	1260	3789	1		
21A	1	BLANK							3790	1		
22A	1	BLANK							3791	1		
										1		
										1		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:
M. Sokolinsky	10/18/01	J. Yarusso	10/19/01 10:00 am

SAMPLE CODES: (1 - Ambient) 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

NYC 9/11 Public Portal Document

TESTWELL℠
LABORATORIES, INC.

Baseline
MICROVaxx Sample Results (TEM)

at
The Millennium Hilton Hotel
55 Church Street
New York, New York

NYC 9/11 Public Portal Document

TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Date Collected: 10/25/01
Date Rec'd (lab): 10/25/01
Analysis Date: 11/01/01
TEM Analyst: *D. McCarl*
Analytical Method: ASTM D5755

Field Technician: Boris Feldman

Dust Samples
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/cm^A1
1	SC Level, Plate#KRT-053, Michigan	3913	10	0.121	9	**7438.02**
2	SC Level, Plate#GGN-2384, PA	3914	10	0.121	10	**8264.46**
3	SC Level, Plate#ATB-8832, NY	3915	10	0.121	9	**7438.02**
4	SC Level, Plate#691-22D, GA	3916	10	0.121	8	**6611.57**
5	SC Level, Plate#JETDVW, NY	3917	10	0.121	9	**7438.02**
6	SC Level, Plate#E788869, IN	3918	10	0.121	7	**5785.12**
7	SC Level, Plate#RVW-774, VA	3919	10	0.121	8	**6611.57**
8	SC Level, Plate#5936-TR, MA	3920	10	0.121	10	**8264.46**
9	SC Level, Plate#E21-SSR, FL	3921	10	0.121	7	**5785.12**
10	SC Level, Plate#M673643, MD	3922	10	0.121	9	**7438.02**
11	SC Level, Plate#8760-MF, MA	3923	10	0.121	8	**6611.57**
12	SC Level, Plate#DYG-09M, NY	3924	10	0.121	8	**6611.57**
						Structures/mm²
			Total Average Concentrations			N/A

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47 Hudson Street, Ossining, NY 10562
TEL: (914) 944-2570 FAX: (914)941-4154

AIR SAMPLE DATA CHAIN OF CUSTODY Page 1 Of 1

Project #: MBO-025 AK
Date: 10-25-01
Technician: BORIS FELDMAN
Rotometer: 13
Signature:

Client: BOVIS LEND LEASE
Project Site: MILLENNIUM HILTON
Project Address: 55 CHURCH ST. NEW YORK, NY
Report to: 212-592-6964

ANALYSIS REQUESTED: MICROVAC DUST Date Analyzed: 11/01/01

FIELD SAMPLE #	SAMPLE #~~TYPE~~	SAMPLE LOCATION	PUMP #	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE (Liter/min.) START	FLOW RATE (Liter/min.) STOP	TOTAL VOLUME	ANALYSIS RESULT: LABORATORY USE ONLY
01	3913	SC LEVEL PLATE: ERT-053 MICHIGAN								
02	3914	CLN-2384-PA								
03	3915	ATB-8832-NY								
04	3916	691-220-GA								
05	3917	JETDVW-NY								
06	3918	E788869-INDIANA								
07	3919	RVW-774-VIRGINIA								
08	3920	5936-TR · MA								
09	3921	E21-SRR-FL								
10	3922	M673663-MARYLAND								
11	3923	8760-NF-MA								
12	3924	DY6-09M-NY								

Relinquished by (signature):	Date/Time 10-25-01	Received by (signature):	Date/Time 10/25/01 5:15pm	SAMPLE TYPE CODES:
Relinquished by (signature):	Date/Time	Received by (signature):	Date/Time	1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

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Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Date Collected: 10/25/01
Date Rec'd (lab): 10/25/01
Analysis Date: 11/01/01
TEM Analyst: *D. McCarl*
Analytical Method: STM D5755

Field Technician: Boris Feldman

Dust Samples
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/cm^{A2}
13	SC Level, Plate#935-MET, CT	3913	10	0.121	6	**4958.68**
14	SC Level, Plate#9326-LC, MA	3914	10	0.121	10	**8264.46**
15	SC Level, Plate#JPJ-30M, NY	3915	10	0.121	8	**6611.57**
16	SC Level, Plate#598-YDO, MA	3916	10	0.121	9	**7438.02**
17	SC Level, Plate#741-MKH, CT	3917	10	0.121	10	**8264.46**
18	C Level, Plate#BK4-45D, NY	3918	10	0.121	7	**5785.12**
19	C Level, Plate#BZP-8716, PA	3919	10	0.121	9	**7438.02**
20	Field Blank	3920	10	0.121	0	**<3305.79**
21	Field Blank	3921	10	0.121	0	**<3305.79**

	Structures/mm²
Total Average Concentrations	N/A

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TEL: (914) 944-2570 FAX: (914)941-4154

AIR SAMPLE DATA CHAIN OF CUSTODY

Project #: MBO-025 RK
Date: 10-25-01
Technician: BORIS FELSMAN
Rotometer: 13
Signature:

Client: BOVIS LEND LEASE
Project Site: MILLENNIUM HILTON
Project Address: 55 CHURCH ST. NEW YORK, NY
Report to:

ANALYSIS REQUESTED : MICROVAC DUST Date Analyzed:

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP #	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE (Liter/min.) START	FLOW RATE (Liter/min.) STOP	TOTAL VOLUME	ANALYSIS RESULT LABORATORY USE ONLY
13	3925	SC LEVEL PLATE: 935-NET-CT							1sq. FT	
14	3926	9326-LC-MA								
15	3927	JPJ-30M-NJ								
16	3928	598-YDO-MA								
17	3929	741-MKH-CT								
18	3930	C LEVEL PLATE BK4-45D-NY								
19	3931	4 BZP-8716-PA								
20	3932	BLANK								
21	3933	BLANK								

Relinquished by (signature);	Date/Time	Received by (signature):	Date/Time
	10-25-01		10/25/01 5:15pm
Relinquished by (signature);	Date/Time	Received by (signature):	Date/Time

SAMPLE TYPE CODES:

1 - Ambient 2 - Background
3 - Pre-Test 4 - During
5 - Final 6 - Personal/OSHA

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Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Project #: MBO-025AB

Date Collected: 11/05/01
Date Rec'd (lab): 11/05/01
Analysis Date: 11/09/01
TEM Analyst: *D. McCarl*
Analytical Method: **ASTM D5755**

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: Boris Feldman

Dust Samples
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/cm^A2
1	Room. 5405 Desk Draw-Dust	4094	10	0.121	0	**<24.45**
2	Room. 5405 Dust in Chest Draw	4095	10	0.121	6	**146.72**
3	Room. 5404 Dust in Desk Draw	4096	10	0.121	2	**48.91**
4	Room. 5204 Dust in TV Compartment	4097	10	0.121	4	**97.81**
5	Room. 5102 Radiator Dust	4098	10	0.121	3	**73.36**
6	Room. 5102 Dust in Chest Draw	4099	10	0.121	1	**24.45**
7	Room 5007 Radiator Dust	4100	10	0.121	1	**24.45**
8	Room 5007 Dust in Desk Draw	4101	10	0.121	3	**73.36**
9	Room 4903 Dust in Chair	4102	10	0.121	3	**73.36**
10	Room 4903 on TV Set	4103	10	0.121	5	**122.27**
11	Room 4711 Dust on Carpet	4104	10	0.121	7	**171.18**
12	Room 4711 Dust on Drape	4105	10	0.121	3	**73.36**

	Structures/mm²
Total Average Concentrations	**N/A**

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Air Sample Data Chain of Custody Page 1 of 2

Client: BOVIS LEND LEASE
Project Site: MILLENNIUM HILTON
Project Address: 55 CHURCH ST, NEW YORK, NY
Report to: _____ (Name / Company / Tel/Fax)

Project #: MKO-025AB
Date: 11-05-01
Technician: BOBBY KELLEHER
Signature: B Kelleher
Rotometer: _____

Date Analyzed: 11/2/01 Analyst: _____

~~PCM or TEM~~ DUST

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
01		RM 5405 DESK DRAW - DUST		9:15	~~9:18~~	~~3~~	~~3~~ / 3	1 SQ. FT	01 / 4094	1		
02		RM 5405 DUST IN CHEST DRAW							4095	1		
03		RM 5204 DUST IN DESK DRAW							4096	1		
04		RM 5204 DUST IN TV COMPARTMENT							4097	1		
05		RM 5102 RADIATOR DUST							4098	1		
06		RM 5102 DUST IN CHEST DRAW							4099	1		
07		RM 5007 RADIATOR DUST							4100	1		
08		RM 5007 DUST IN DESK DRAW							4101	1		
09		RM 4903 DUST IN CHAIR							4102	1		
10		[redacted]3 DUST ON SET							4103	1		
11		RM 47[redacted] DUST ON CARPET							4104	1		
12		RM 4711 DUST ON DRAPE							4105	1		

Relinquished by (signature): B Kelleher Date/Time: 11-05-01

Received by (signature): Volfa Bimbaya Date/Time: 11/5/01

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

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Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York

Field Technician: Boris Feldman

Project #: MBO-025AB

Date Collected: 11/05/01
Date Rec'd (lab): 11/05/01
Analysis Date: 11/09/01
TEM Analyst: *D. McCarl*
Analytical Method: **ASTM D5755**

Dust Samples
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/cm^A2
13	Room 3703 Dust in Desk Draw	4106	10	0.121	13	**317.90**
14	Room 3703 Dust on Wall Lamp	4107	10	0.121	3	**73.36**
15	Room. 4608 Dust in Clth Chest	4108	10	0.121	3	**73.36**
16	Room 4608 Dust in Radiator Cover	4109	10	0.121	2	**48.91**
17	Field Blank	4110	10	0.121	0	**<24.45**
18	Field Blank	4111	10	0.121	0	**<24.45**
						Structures/mm²
			Total Average Concentrations			N/A

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Air Sample Data Chain of Custody Page 2 of 2

Client: BOVIS LEND LEASE

Project Site: MILLENNIUM HILTON

Project Address: 55 CHURCH ST, NEW YORK, NY

Report to: _____ (Name / Company / Tel/Fax)

Project #: MBO-025KB

Date: 11-5-01

Technician: BORIS FELDMAN

Signature: [signature]

Rotometer: _____

Date Analyzed: 11/12/01 Analyst: [signature]

~~PCM or TEM~~ DUST

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY — PCM # or TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²
13		RM 3703 DUST IN DESK DRAW						159. FT	4106	1		
14		RM 3703 DUST ON WALL LAMP						↓	4107	1		
15		RM 4608 DUST IN CLOTH CHEST							4108	1		
16		RM 4608 DUST IN RADIATOR COVER							4109	1		
17		BLANK							4110	1		
18		BLANK							4111	1		
										1		
										1		
										1		
										1		
										1		
										1		

Relinquished by (signature): [signature] Date/Time: 11-05-01

Received by (signature): _____ Date/Time: _____

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

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TESTWELL LABORATORIES, INC.
Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
AIHA # 100147

Transmission Electron Microscopy Results

Client: Bovis Lend Lease
200 Park Avenue
New York, New York

Sample Location: The Millenium Hilton Hotel
55 Church Street
New York, New York
3rd Floor - 195 Broadway Lobby & Corridor

Field Technician: T. Chhetry

Project #: MBO-025AB

Date Collected: 12/05/01
Date Rec'd (lab): 12/05/01
Analysis Date: 12/06/01
TEM Analyst: *D. McCarl*
Analytical Method: **AHERA**
EPA 40 CFR Part 763

Filter Type - MCE 0.45 micron
Avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 01TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm²	Concentration Structures/cc
1A	3rd Floor 195 Elevator Lobby	4459	1280.0	6	0.073	4	**55.10**	**0.017**
2A	3rd Floor 195 Corridor	4460	1280.0	6	0.073	0	**<13.77**	**<0.004**
3A	3rd Floor Office Area	4461	1280.0	6	0.073	3	**41.32**	**0.012**
4A	3rd Floor Office Area	4462	1280.0	6	0.073	0	**<13.77**	**<0.004**
5A	Field Blank	4463	0.0	6	0.073	0	**<13.77**	**<0.004**
6A	Field Blank	4464	0.0	6	0.073	0	**<13.77**	**<0.004**
							Structures/mm²	Structures/cc
				Total Average Concentrations			**N/A**	**N/A**

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NYC-WTC_000104025

RUSH

ASAP

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Air Sample Data Chain of Custody Page 1 of 1

Client: BOVIS
Project Site: 3RD FL - 195 B'WAY LOBBY & CORRIDOR
Project Address: MILLENIUM HILTON ON CHURCH ST., NY, NY
Report to: MIKE DEANE (Name) BOVIS (Company) (212) 592-6700 (TEL) (Tel/Fax)

Project #: MBO-02SAB
Date: 12/05/01
Technician: T. CHHETRY
Signature:
Rotometer: TLI-10

Date Analyzed: 12-05-01 Analyst:

PCM or TEM

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY PCM # / TEM #	FIBERS/ FIELDS	RESULTS: f/cc | s/cc	RESULTS: f/mm² | s/mm²	
01A	1	3RD FLOOR - 195 ELEVATOR LOBBY		0745	1025	160	8/8	1280	4459	1			4
02A	1	3RD FLOOR - 195 CORRIDOR		0746	1026	160	8/8	1280	4460	1			0
03A	1	3RD FLOOR - OFFICE AREA		0747	1027	160	8/8	1280	4461	1			3
04A	1	3RD FLOOR - OFFICE AREA		0748	1028	160	8/8	1280	4462	1			0
05A	1	F. BLANK		N/A					4463	1			0
06A	1	F. BLANK		N/A					4464	1			0
										1			
										1			
										1			
										1			
										1			
										1			

Relinquished by (signature): Tej Date/Time: 12/05/01

Received by (signature): Date/Time: 19:20 12-05-01

SAMPLE CODES: (1) - Ambient 2 - Background 3 - Pre-Test 4 - During 5 - Final 6 - Personal/OSHA

12/5/01

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