



**Final Air Sample Results
and
Clearance Letters**

**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**

**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 - LMB
200 Park Avenue
New York, New York

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

Date Collected: 04/18/02
Date Rec'd (lab): 04/19/02
Analysis Date: 04/23/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Feldman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
1	4th Floor Soho Room Inside	1561	1240.0	6	0.073	2	27.55	0.009
2	4th Floor Corridor	1562	1230.0	6	0.073	2	27.55	0.009
3	4th Floor Board Room Inside	1563	1240.0	6	0.073	4	55.10	0.017
4	Blank	1564	0.0	6	0.073	0	<13.77	<0.004
5	Blank	1565	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² 27.54	Structures/cc 0.009

This report is 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. The laboratory has no control over air sampling collection. This certificate of analysis/report shall not be reproduced in full, without the written approval of Testwell Laboratories, Inc.

Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton @ WTC (55th & 54th Floors)
55 Church Street
New York, New York

Date Collected: 05/16/02
Date Rec'd (lab): 05/16/02
Analysis Date: 05/17/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
1	Inside Work Area 55th Floor	2175	1280.0	6	0.073	0	<13.77	<0.004
2	Inside Work Area 55th Floor	2176	1280.0	6	0.073	0	<13.77	<0.004
3	Inside Work Area 55th Floor	2177	1280.0	6	0.073	0	<13.77	<0.004
4	Inside Work Area 55th Floor	2178	1280.0	6	0.073	0	<13.77	<0.004
5	Inside Work Area 55th Floor	2179	1280.0	6	0.073	1	13.77	0.004
6	Inside Work Area 54th Floor	2180	1280.0	6	0.073	1	13.77	0.004
7	Inside Work Area 54th Floor	2181	1280.0	6	0.073	3	41.32	0.012
8	Inside Work Area 54th Floor	2182	1280.0	6	0.073	0	<13.77	<0.004
9	Inside Work Area 54th Floor	2183	1280.0	6	0.073	0	<13.77	<0.004
10	Inside Work Area 54th Floor	2184	1280.0	6	0.073	0	<13.77	<0.004
11	Field Blank	2185	0.0	6	0.073	0	<13.77	<0.004
12	Field Blank	2186	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm² 16.07	Structures/cc 0.005

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Laboratory Director/Approved Signatory

FINALS248H

Air Sample Data Chain of Custody

Page 1 of 1**TESTWELL LABORATORIES, INC.**

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

Client: BOVIS LEND LEASEProject Site: MILLENWY HILTON @ WTC, 55TH & 54TH FLOORSProject Address: 55 CHURCH STREET, NEW YORK, NY 10007Report to: MICHAEL DENNE BOVIS Q123 592-6964 (FAX)

Name _____ Company _____ Tel/Fax _____

Date Analyzed: 5/17/02 Analyst: [Signature]

PCM or TEM

Project #:

Date:

Technician:

Signature:

Rotometer:

MBO-025 AB05/16/02T. CHMETRY[Signature]TL1-10**ANALYSIS: LABORATORY USE ONLY**TESTWELL FIELD OFFICE FAX: (212) 312-2147

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/ FIELDS	RESULTS: f/cc s/cc	RESULTS: f/min. ft
1	S	IWA-55TH FLOOR		0850	1130	160	0/0	1280	2175	/		
2	S	IWA-55TH FLOOR		0851	1131	160	0/0	1280	2176	/		
3	S	IWA-55TH FLOOR		0852	1132	160	0/0	1280	2177	/		
4	S	IWA-55TH FLOOR		0853	1133	160	0/0	1280	2178	/		
5	S	IWA-55TH FLOOR		0854	1134	160	0/0	1280	2179	/		
6	S	IWA-54TH FLOOR		0915	1155	160	0/0	1280	2180	/		
7	S	IWA-54TH FLOOR		0916	1156	160	0/0	1280	2181	/		
8	S	IWA-54TH FLOOR		0917	1157	160	0/0	1280	2182	/		
9	S	IWA-54TH FLOOR		0918	1158	160	0/0	1280	2183	/		
10	S	IWA-54TH FLOOR		0919	1159	160	0/0	1280	2184	/		
11	S	F. BLANK		N/A					2185	/		
12	S	F. BLANK		N/A					2186	/		

Relinquished by (signature):	Date/Time:	Received by (signature):	Date/Time:	SAMPLE: 1 - Ambient	2 - Background	3 - Pre-Test
<u>Tel</u>	<u>05/16/02</u>	<u>[Signature]</u>	<u>5/16/02 2:00pm</u>			
				CODES: 1 - Ambient	2 - Background	3 - Pre-Test
				4 - During	5 - Final	6 - Personal/OSHA


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 - LMB
200 Park Avenue
New York, New York

Date Collected: 05/16/02
Date Rec'd (lab): 05/16/02
Analysis Date: 05/17/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample Location: Millenium Hilton @ WTC (Various Floors)
55 Church Street
New York, New York

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/c
13	Inside Work Area 53rd Floor	2197	1520.0	5	0.061	0	<16.53	<0.004
14	Inside Work Area 53rd Floor	2198	1520.0	5	0.061	0	<16.53	<0.004
15	Inside Work Area 53rd Floor	2199	1520.0	5	0.061	0	<16.53	<0.004
16	Inside Work Area 53rd Floor	2200	1520.0	5	0.061	1	16.53	0.004
17	Inside Work Area 53rd Floor	2201	1520.0	5	0.061	0	<16.53	<0.004
18	Inside Work Area 52nd Floor	2202	1400.0	5	0.061	0	<16.53	<0.004
19	Inside Work Area 52nd Floor	2203	1400.0	5	0.061	0	<16.53	<0.004
20	Inside Work Area 52nd Floor	2204	1400.0	5	0.061	0	<16.53	<0.004
Total Average Concentrations							Structures/mm ² 26.53	Structures/c 0.004

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D. McCarl
Laboratory Director/Approved Signatory

TESTWELL LABORATORIES, INC.

47 Hudson Street, Ossining, N.Y. 10562

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

Client: **BOVIS LEND LEASE - LMB**Project Site: **MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**Report to: **MICHAEL DEANE** **BOVIS** (212) 592-6964 (FAX) ✓

Name

Company

Tel/Fax

Date Analyzed: 5/21/02 Analyst: gm

TLI FIELD OFFICE FAX:-- (212) 312-2147 (FAX) ✓

XXXXXXX(TEM)

FINALSRyett

Air Sample Data Chain of Custody

Page 1 of 2Project #: **MBO - 025 AB**Date: 05/20/02Technician: T. CHATELIERSignature: [Signature]Rotometer: **TLI - 10**TURNAROUND TIME: **Ryett****ANALYSIS: LABORATORY USE ONLY:**

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START. TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM # 02 TEM #	FIBERS/ FIELDS	RESULTS: f/cc s/cc	RESULTS: f/mm ³ m
13	5	IWA-53 RD FLOOR		07001010		190	0/0	1520	2197	/		
14	5	IWA-53 RD FLOOR		07011011		190	0/0	1520	2198	/		
15	5	IWA-53 RD FLOOR		07021012		190	0/0	1520	2199	/		
16	5	IWA-53 RD FLOOR		07031013		190	0/0	1520	2200	/		
17	5	IWA-53 RD FLOOR		07041014		190	0/0	1520	2201	/		
18	5	IWA-52 ND FLOOR		07201015		175	0/0	1400	2202	/		
19	5	IWA-52 ND FLOOR		07211016		175	0/0	1400	2203	/		
20	5	IWA-52 ND FLOOR		07221017		175	0/0	1400	2204	/		
21	5	IWA-52 ND FLOOR		07231018		175	0/0	1400	2205	/		
22	5	IWA-52 ND FLOOR		07241019		175	0/0	1400	2206	/		
23	5	IWA-51 ST FLOOR		07401020		160	0/0	1280	2207	/		
24	5	IWA-51 ST FLOOR		07411021		160	0/0	1280	2208	/		

Relinquished by (signature): [Signature]Date/Time: 05/20/02, 10:45 AMReceived by (signature): [Signature]Date/Time: 5/20/02, 12:00 PM

SAMPLE CODES:

1 - Ambient

2 - Background

3 - Pre-Test

4 - During

5 - Final

6 - Personal/OSHA


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton @ WTC (Various Floors)
55 Church Street
New York, New York

Date Collected: 05/16/02
Date Rec'd (lab): 05/16/02
Analysis Date: 05/17/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
21	Inside Work Area 52nd Floor	2205	1400.0	5	0.061	0	<16.53	<0.005
22	Inside Work Area 52nd Floor	2206	1400.0	5	0.061	0	<16.53	<0.005
23	Inside Work Area 51st Floor	2207	1280.0	6	0.073	0	<13.77	<0.004
24	Inside Work Area 51st Floor	2208	1280.0	6	0.073	0	<13.77	<0.004
25	Inside Work Area 51st Floor	2209	1280.0	6	0.073	2	27.55	0.008
26	Inside Work Area 51st Floor	2210	1280.0	6	0.073	0	<13.77	<0.004
27	Inside Work Area 51st Floor	2211	1280.0	6	0.073	0	<13.77	<0.004
28	Field Blank	2212	0.0	5	0.061	0	<16.53	<0.004
29	Field Blank	2213	0.0	5	0.061	0	<16.53	<0.004
Total Average Concentrations							Structures/mm² 16.52	Structures/cc 0.005

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Robert McCarl

Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York

Date Collected: 05/22/02
Date Rec'd (lab): 05/23/02
Analysis Date: 05/23/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample Location: Millenium Hilton @ WTC (Various Floors)
55 Church Street
New York, New York

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
30	Inside Work Area 50th Floor	2400	1280.0	6	0.073	0	<13.77	<0.004
31	Inside Work Area 50th Floor	2401	1280.0	6	0.073	0	<13.77	<0.004
32	Inside Work Area 50th Floor	2402	1280.0	6	0.073	0	<13.77	<0.004
33	Inside Work Area 50th Floor	2403	1280.0	6	0.073	0	<13.77	<0.004
34	Inside Work Area 50th Floor	2404	1280.0	6	0.073	0	<13.77	<0.004
35	Field Blank	2405	0.0	6	0.073	0	<13.77	<0.004
36	Field Blank	2406	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

FINALS

Air Sample Data Chain of Custody

Page 1 of 1

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

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**
Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**
Report to: **MICHAEL DEANE BOVIS** (212) 592-6964 (FAX)

Project #: **MBO - 025 AB**
Date: **05/22/02**
Technician: **T. H. HETTER / B. B. H.**
Signature: **[Signature]** / **B. B. H.**

Name: **5/23/02** Analyst: **[Signature]** Company: **TLI**
Date Analyzed: **5/23/02** TLI FIELD OFFICE FAX: (212) 312-2147 (FAX)
Tel/Fax: **XXXXXXX-XXXX-XXXX**

Rotometer: **TLI - 10**
TURNAROUND TIME: **RUSH**

ANALYSIS: LABORATORY USE ONLY										RESULTS		
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/FIELDS	RESULTS 1/cc s/cc	RESULTS 1/mg s/mg
30	5	IWA-50TH FLOOR		1550	1830	160	8/8	1280	2400	1		
31	5	IWA-50TH FLOOR		1551	1831	160	8/8	1280	2401	1		
32	5	IWA-50TH FLOOR		1552	1832	160	8/8	1280	2402	1		
33	5	IWA-50TH FLOOR		1553	1833	160	8/8	1280	2403	1		
34	5	IWA-50TH FLOOR		1554	1834	160	8/8	1280	2404	1		
35	5	F-BLANK		N/A					2405	1		
36	5	F-BLANK		N/A					2406	1		
										1		
										1		
										1		
										1		
										1		
										1		
										1		

Relinquished by (signature): **[Signature]** Date/Time: **05/22/02 11:30 PM**
 Received by (signature): **[Signature]** Date/Time: **5/23/02 9:10 AM**
 SAMPLE 1 - Ambient 2 - Background 3 - Pre-Test
 CODES: 4 - During, 5 - Final
 WVA: INSIDE WORK AREA
 DWA: OUTSIDE WORK AREA

OWA samples NOT submitted for analysis.


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC (Various Floors)
55 Church Street
New York, New York

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Date Collected: 05/24/02
Date Rec'd (lab): 05/26/02
Analysis Date: 05/28/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
37	Inside Work Area 56th Floor	2445	1280.0	6	0.073	1	13.77	0.004
38	Inside Work Area 56th Floor	2446	1280.0	6	0.073	1	13.77	0.004
39	Inside Work Area 56th Floor	2447	1280.0	6	0.073	2	27.55	0.008
40	Inside Work Area 56th Floor	2448	1280.0	6	0.073	1	13.77	0.004
41	Inside Work Area 56th Floor	2449	1280.0	6	0.073	1	13.77	0.004
42	Inside Work Area 49th Floor	2450	1280.0	6	0.073	N/A	OVERLOAD	OVERLOAD
43	Inside Work Area 49th Floor	2451	1280.0	6	0.073	N/A	OVERLOAD	OVERLOAD
44	Inside Work Area 49th Floor	2452	1280.0	6	0.073	N/A	OVERLOAD	OVERLOAD
45	Inside Work Area 49th Floor	2453	1280.0	6	0.073	0	<13.77	<0.004
46	Inside Work Area 49th Floor	2454	1280.0	6	0.073	0	<13.77	<0.004
47	Inside Work Area 48th Floor	2455	1280.0	6	0.073	0	<13.77	<0.004
48	Inside Work Area 48th Floor	2456	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² N/A	Structures/cc N/A

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D. McCarl

Laboratory Director/Approved Signatory

FINALS

Air Sample Data Chain of Custody

Rust - Rust

TESTWELL LABORATORIES, INC.

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

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE BOVIS**

Company

Tel/Fax

(212) 592-6964 (FAX)

Project #: **MBO 025 AB**

Date: **05/24/02**

Technician: **T. CHAPMAN**

Signature: *[Signature]*

Rotometer: **TLI - 10**

TURNAROUND TIME: **2454**

[Signature]

Date Analyzed: **5/28/02** Analyst: *[Signature]*

XXXXXX TEM

TLI FIELD OFFICE FAX: (212) 312-2147 (FAX)

ANALYSIS: LABORATORY USE ONLY

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCPN #	FIBERS/FIELDS	RESULTS: f/cc s/cc /mm /sm
37	5	IWA-56TH FLOOR		0945	1225	160	8/8	1280	2445	1	
38	5	IWA-56TH FLOOR		0946	1226	160	8/8	1280	2446	1	
39	5	IWA-56TH FLOOR		0947	1227	160	8/8	1280	2447	1	
40	5	IWA-56TH FLOOR		0948	1228	160	8/8	1280	2448	1	
41	5	IWA-56TH FLOOR		0949	1229	160	8/8	1280	2449	1	
42	5	IWA-49TH FLOOR		1020	1300	160	8/8	1280	2450	1	
43	5	IWA-49TH FLOOR		1021	1301	160	8/8	1280	2451	1	
44	5	IWA-49TH FLOOR		1022	1302	160	8/8	1280	2452	1	
45	5	IWA-49TH FLOOR		1023	1303	160	8/8	1280	2453	1	
46	5	IWA-49TH FLOOR		1024	1304	160	8/8	1280	2454	1	
47	5	IWA-48TH FLOOR		1630	1910	160	8/8	1280	2455	1	
48	5	IWA-48TH FLOOR		1631	1911	160	8/8	1280	2456	1	

Relinquished by (signature): *[Signature]* Date/Time: **05/24/02 11:30 PM**

Received by (signature): *[Signature]* Date/Time: **5/26/02**

SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHIA

IWA: INSIDE WORK AREA

OWA: OUTSIDE WORK AREA

OWA SAMPLES NOT SUBMITTED FOR ANALYSIS.


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 - LMB
200 Park Avenue
New York, New York
Date Collected: 05/24/02
Date Rec'd (lab): 05/26/02
Analysis Date: 05/28/02
TEM Analyst: D. McCarl
Analytical Method: AHERA
Sample Location: Millenium Hilton Hotel @ WTC (Various Floors)

55 Church Street

New York, New York

Field Technician: T. Chhetry
Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
49	Inside Work Area 48th Floor	2457	1280.0	6	0.073	0	<13.77	<0.004
50	Inside Work Area 48th Floor	2458	1280.0	6	0.073	0	<13.77	<0.004
51	Inside Work Area 48th Floor	2459	1280.0	6	0.073	0	<13.77	<0.004
52	Inside Work Area 47th Floor	2460	1280.0	6	0.073	0	<13.77	<0.004
53	Inside Work Area 47th Floor	2461	1280.0	6	0.073	0	<13.77	<0.004
54	Inside Work Area 47th Floor	2462	1280.0	6	0.073	0	<13.77	<0.004
55	Inside Work Area 47th Floor	2463	1280.0	6	0.073	0	<13.77	<0.004
56	Inside Work Area 47th Floor	2464	1280.0	6	0.073	0	<13.77	<0.004
57	Field Blank	2465	0.0	6	0.073	0	<13.77	<0.004
58	Field Blank	2466	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² N/A	Structures/cc N/A

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Laboratory Director/Approved Signatory

FIDALS

R48H

Air Sample Data Chain of Custody

Page 2 of 2

TESTWELL LABORATORIES, INC.

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

Client: BOVIS LEND LEASE - LMB

Project Site: MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS

Project Address: 55 CHURCH STREET, NEW YORK, NY 10007

Report to: MICHAEL DEANE BOVIS (212) 592-6964 (FAX) ✓

Tel/Fax

Company

Name

Date Analyzed: 5/28/02 Analyst: *AM*

XXXXXXXXXXr TEM

TLI FIELD OFFICE FAX: (212) 312-2147 (FAX) ✓

Project #: MBO - 025, AB

Date: 05/24/02

Technician: T. CHAFFIN

Signature: *T. Chaffin*

Rotometer: TLI - 10

TURNAROUND TIME: R48H

ANALYSIS: LABORATORY USE ONLY

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/ FIELDS	RESULTS: f/cc s/cc	RESULTS: f/min s/min
49	5	IWA - 48TH FLOOR		1632	1912	160	8/8	1280	2457	1		
50	5	IWA - 48TH FLOOR		1633	1913	160	8/8	1280	2458	1		
51	5	IWA - 48TH FLOOR		1634	1914	160	8/8	1280	2459	1		
52	5	IWA - 47TH FLOOR		1645	1925	160	8/8	1280	2460	1		
53	5	IWA - 47TH FLOOR		1646	1926	160	8/8	1280	2461	1		
54	5	IWA - 47TH FLOOR		1647	1927	160	8/8	1280	2462	1		
55	5	IWA - 47TH FLOOR		1648	1928	160	8/8	1280	2463	1		
56	5	IWA - 47TH FLOOR		1649	1929	160	8/8	1280	2464	1		
57	5	F. BLANK		N/A					2465	1		
58	5	F. BLANK		N/A					2466	1		
										1		
										1		

SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test
 CODES: 4 - During 5 - Final 6 - Personal/OSHA
 IWA: INSIDE WORK AREA
 OWA: OUTSIDE WORK AREA

Relinquished by (signature): *Tef* Date/Time: 05/24/02 11:39 AM
 Received by (signature): *J. Jarmose* Date/Time: 5/26/02



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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Date Collected: 05/28/02
Date Rec'd (lab): 05/29/02
Analysis Date: 05/29/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
59	Inside Work Area 49th Floor	2509	1280.0	6	0.073	0	<13.77	<0.004
60	Inside Work Area 49th Floor	2510	1280.0	6	0.073	0	<13.77	<0.004
61	Inside Work Area 49th Floor	2511	1280.0	6	0.073	0	<13.77	<0.004
62	Inside Work Area 49th Floor	2512	1280.0	6	0.073	0	<13.77	<0.004
63	Inside Work Area 49th Floor	2513	1280.0	6	0.073	0	<13.77	<0.004
64	Inside Work Area 6th Floor MER	2514	1280.0	6	0.073	0	<13.77	<0.004
65	Inside Work Area 6th Floor MER	2515	1280.0	6	0.073	0	<13.77	<0.004
66	Inside Work Area 6th Floor MER	2516	1280.0	6	0.073	0	<13.77	<0.004
67	Inside Work Area 6th Floor MER	2517	1280.0	6	0.073	0	<13.77	<0.004
68	Inside Work Area 6th Floor MER	2518	1280.0	6	0.073	0	<13.77	<0.004
69	Inside Work Area 6th Floor MER	2519	1280.0	6	0.073	0	<13.77	<0.004
70	Inside Work Area 6th Floor MER	2520	1280.0	6	0.073	0	<13.77	<0.004
71	Field Blank	2521	0.0	6	0.073	0	<13.77	<0.004
72	Field Blank	2522	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Subhojit McCarl
 Laboratory Director/Approved Signatory

FINALS

Air Sample Data Chain of Custody

Page 1 of 2

TESTWELL LABORATORIES, INC.

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

Client: BOVIS LEND LEASE - LMB

Project Site: MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS

Project Address: 55 CHURCH STREET, NEW YORK, NY 10007

Report to: MICHAEL DEANE BOVIS Company

Name

Date Analyzed: 5/29/02 Analyst: Jh

Company

(212) 592-6964 (FAX)

Tel/Fax

XXXXXX (ITEM)

TLI FIELD OFFICE FAX: (212) 312-2147 (FAX)

Project #: MBO - 025 AB

Date: 05/28/02

Technician: T. LUTHELY

Signature: [Signature]

Rotometer: TLI-10

TURNAROUND TIME: 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 #	FIBERS/FIELDS	RESULTS: f/cc l s/cc	RESULTS: f/mm ² l s/m
59	S	IWA-49 TH FLOOR		1845	2125	160	0/0	1280	2509	/		
60	S	IWA-49 TH FLOOR		1846	2126	160	0/0	1280	2510	/		
61	S	IWA-49 TH FLOOR		1847	2127	160	0/0	1280	2511	/		
62	S	IWA-49 TH FLOOR		1848	2128	160	0/0	1280	2512	/		
63	S	IWA-49 TH FLOOR		1849	2129	160	0/0	1280	2513	/		
64	S	IWA-6 TH FLOOR-MER		1915	2155	160	0/0	1280	2514	/		
65	S	IWA-6 TH FLOOR-MER		1916	2156	160	0/0	1280	2515	/		
66	S	IWA-6 TH FLOOR-MER		1917	2157	160	0/0	1280	2516	/		
67	S	IWA-6 TH FLOOR-MER		1918	2158	160	0/0	1280	2517	/		
68	S	IWA-6 TH FLOOR-MER		1919	2159	160	0/0	1280	2518	/		
69	S	IWA-6 TH FLOOR-MER		1920	2200	160	0/0	1280	2519	/		
70	S	IWA-6 TH FLOOR-MER		1921	2201	160	0/0	1280	2520	/		

Relinquished by (signature):

Date/Time:

05/29/02 1:00 PM

Received by (signature):

Date/Time:

5/29/02

SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHA

IWA: INSIDE WORK AREA

OWA: OUTSIDE WORK AREA

OWA-SAMPLES NOT SUBMITTED FOR ANALYSIS.


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 - LMB
200 Park Avenue
New York, New York

Date Collected: 05/29/02
Date Rec'd (lab): 05/30/02
Analysis Date: 06/03/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
73	Inside Work Area 46th Floor	2612	1280.0	6	0.073	0	<13.77	<0.004
74	Inside Work Area 46th Floor	2613	1280.0	6	0.073	0	<13.77	<0.004
75	Inside Work Area 46th Floor	2614	1280.0	6	0.073	0	<13.77	<0.004
76	Inside Work Area 46th Floor	2615	1280.0	6	0.073	0	<13.77	<0.004
77	Inside Work Area 46th Floor	VOID						
78	Inside Work Area 45th Floor	2616	1280.0	6	0.073	1	13.77	0.004
79	Inside Work Area 45th Floor	2617	1280.0	6	0.073	0	<13.77	<0.004
80	Inside Work Area 45th Floor	2618	1280.0	6	0.073	0	<13.77	<0.004
81	Inside Work Area 45th Floor	2619	1280.0	6	0.073	0	<13.77	<0.004
82	Inside Work Area 45th Floor	2620	1280.0	6	0.073	0	<13.77	<0.004
83	Inside Work Area 44th Floor	2621	1280.0	6	0.073	0	<13.77	<0.004
84	Inside Work Area 44th Floor	2622	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

FILED
Ryght

Air Sample Data Chain of Custody

Page 1 of 2

TESTWELL LABORATORIES, INC.

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

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE BOVIS** (212) 592-6964 (FAX)

Name: **Michael Deane** Company: **BOVIS** Tel/Fax: **(212) 592-6964 (FAX)**

Analyst: *[Signature]*

PCMS: **XXXXXX** of **XXXXXX** (ITEM)

TURNAROUND TIME: **24H - RY**

Rotometer: **TLI - 10**

ANALYSIS: LABORATORY USE ONLY

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/ FIELDS	RESULTS: f/cc l s/cc	RESULTS: f/mm ² l s/m
73	5	IWA - 46 TH FLOOR		1235	1515	160	0/0	1280	2612	1		
74	5	IWA - 46 TH FLOOR		1236	1516	160	0/0	1280	2613	1		
75	5	IWA - 46 TH FLOOR		1237	1517	160	0/0	1280	2614	1		
76	5	IWA - 46 TH FLOOR		1238	1518	160	0/0	1280	2615	1		
77	5	IWA - 46 TH FLOOR		1239	1519	160	0/0	1280	2616	1		
78	5	IWA - 45 TH FLOOR		1255	1535	160	0/0	1280	2617	1		
79	5	IWA - 45 TH FLOOR		1256	1536	160	0/0	1280	2618	1		
80	5	IWA - 45 TH FLOOR		1257	1537	160	0/0	1280	2619	1		
81	5	IWA - 45 TH FLOOR		1258	1538	160	0/0	1280	2620	1		
82	5	IWA - 45 TH FLOOR		1259	1539	160	0/0	1280	2621	1		
83	5	IWA - 44 TH FLOOR		1630	1910	160	0/0	1280	2622	1		
84	5	IWA - 44 TH FLOOR		1631	1911	160	0/0	1280	2623	1		

Relinquished by (signature): *[Signature]* Date/Time: 5/29/02 11:38 PM

Received by (signature): *[Signature]* Date/Time: 5/30/02 11:20

SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHA

IWA: INSIDE WORK AREA

OWA: OUTSIDE WORK AREA

OWA SAMPLES NOT SUBMITTED FOR ANALYSIS. MAY BE VOIDED.



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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 05/29/02
Date Rec'd (lab): 05/30/02
Analysis Date: 06/03/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: T. Chhetry

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
85	Inside Work Area 44th Floor	2623	1280.0	6	0.073	0	<13.77	<0.004
86	Inside Work Area 44th Floor	2624	1280.0	6	0.073	0	<13.77	<0.004
87	Inside Work Area 44th Floor	2625	1280.0	6	0.073	0	<13.77	<0.004
88	Field Blank	2626	0.0	6	0.073	0	<13.77	<0.004
89	Field Blank	2627	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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D. McCarl

Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 06/03/02
Date Rec'd (lab): 06/04/02
Analysis Date: 06/05/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
90	Inside Work Area 41st Floor	2721	1280.0	6	0.073	0	<13.77	<0.004
91	Inside Work Area 41st Floor	2722	1280.0	6	0.073	0	<13.77	<0.004
92	Inside Work Area 41st Floor	2723	1280.0	6	0.073	0	<13.77	<0.004
93	Inside Work Area 41st Floor	2724	1280.0	6	0.073	0	<13.77	<0.004
94	Inside Work Area 41st Floor	2725	1280.0	6	0.073	0	<13.77	<0.004
95	Inside Work Area 42nd Floor	2726	1280.0	6	0.073	0	<13.77	<0.004
96	Inside Work Area 42nd Floor	2727	1280.0	6	0.073	0	<13.77	<0.004
97	Inside Work Area 42nd Floor	2728	1280.0	6	0.073	0	<13.77	<0.004
98	Inside Work Area 42nd Floor	2729	1280.0	6	0.073	0	<13.77	<0.004
99	Inside Work Area 42nd Floor	2730	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

TESTWELL LABORATORIES, INC.

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

Client: BOVIS LEND LEASE - LMB

Project Site: MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS

Project Address: 55 CHURCH STREET, NEW YORK, NY 10007

Report to: MICHAEL DEANE BOVIS

(212) 592-6964 (FAX)

Tel/Fax

Company

Date Analyzed: 6/5/02 Analyst: *Jan*

TLI FIELD OFFICE FAX: (212) 312-2147 (FAX)

Project #: MBO - 025 AB

Date: 06.03.02

Technician: B. G. Moore

Signature: B. G. Moore

Rotometer: TLI - 10

TURNAROUND TIME:

ANALYSIS: LABORATORY USE ONLY										RESULTS:	
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCB # TEM #	FIBERS/ FIELDS	RESULTS: f/cc f/s/cc f/mm ² f/s/mm ²
90	S	IWA 40 th floor		1640	1920	160	8/8	1280	2721	1	
91	S			1641	1921	160	8/8	1280	2722	1	
92	S			1642	1922	160	8/8	1280	2723	1	
93	S			1643	1923	160	8/8	1280	2724	1	
94	S	V-		1644	1924	160	8/8	1280	2725	1	
95	S	IWA 42 th floor		1710	1950	160	8/8	1280	2726	1	
96	S			1711	1951	160	8/8	1280	2727	1	
97	S			1712	1952	160	8/8	1280	2728	1	
98	S			1713	1953	160	8/8	1280	2729	1	
99	S	V-		1714	1954	160	8/8	1280	2730	1	

Relinquished by (signature): <i>B. G. Moore</i>	Date/Time: 06.03	Received by (signature): <i>Jan</i>	Date/Time:
	SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test CODES: 4 - During 5 - Final 6 - Personal/OSHA IWA: INSIDE WORK AREA OWA: OUTSIDE WORK AREA		

Jan 6-4-2 - 9:41 -


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 - LMB
200 Park Avenue
New York, New York
Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Date Collected: 06/03/02
Date Rec'd (lab): 06/04/02
Analysis Date: 06/05/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
100	Inside Work Area 43rd Floor	2731	1280.0	6	0.073	0	<13.77	<0.004
101	Inside Work Area 43rd Floor	2732	1280.0	6	0.073	0	<13.77	<0.004
102	Inside Work Area 43rd Floor	2733	1280.0	6	0.073	0	<13.77	<0.004
103	Inside Work Area 43rd Floor	2734	1280.0	6	0.073	0	<13.77	<0.004
104	Inside Work Area 43rd Floor	2735	1280.0	6	0.073	0	<13.77	<0.004
105	Blank	2736	0.0	6	0.073	0	<13.77	<0.004
106	Blank	2737	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

This report is 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. The laboratory has no control over air sampling collection. This certificate of analysis/report shall not be reproduced in full, without the written approval of Testwell Laboratories, Inc.

Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York
Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Field Technician: T. Chhetry/B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²
Date Collected: 06/05-06/02
Date Rec'd (lab): 06/06/02
Analysis Date: 06/06/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
107	Inside Work Area 5th Floor	2760	1280.0	6	0.073	0	<13.77	<0.004
108	Inside Work Area 5th Floor	2761	1280.0	6	0.073	0	<13.77	<0.004
109	Inside Work Area 5th Floor	2762	1280.0	6	0.073	0	<13.77	<0.004
110	Inside Work Area 5th Floor	2763	1280.0	6	0.073	0	<13.77	<0.004
111	Inside Work Area 5th Floor	2764	1280.0	6	0.073	0	<13.77	<0.004
112	Inside Work Area 4th Floor	2765	1280.0	6	0.073	0	<13.77	<0.004
113	Inside Work Area 4th Floor	2766	1280.0	6	0.073	0	<13.77	<0.004
114	Inside Work Area 4th Floor	2767	1280.0	6	0.073	1	13.77	0.004
115	Inside Work Area 4th Floor	2768	1280.0	6	0.073	0	<13.77	<0.004
116	Inside Work Area 4th Floor	2769	1280.0	6	0.073	0	<13.77	<0.004
117	Blank	2770	0.0	6	0.073	0	<13.77	<0.004
118	Blank	2771	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ²	Structures/cc
							<13.77	<0.004

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Laboratory Director/Approved Signatory

Rush x 2 Rush.

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: BOVIS LEND LEASE - LMB

Project Site: MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS

Project Address: 55 CHURCH STREET, NEW YORK, NY 10007

Report to: MICHAEL DEANE BOVIS Company

(212) 592-6964 (FAX)

Tel/Fax

Date Analyzed: 6/6/02 Analyst: [Signature]

XXXXXXXXXXXX

Project #: MBO - 025 AB

Date: 06.05.02 - 06.06.02

Technician: J. CHHETRY / B. L. [Signature]

Signature: [Signature]

Rotometer: TLI - 10

TURNAROUND TIME:

ANALYSIS: LABORATORY USE ONLY										RESULTS:		RESULTS:	
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/FIELDS	f/cc	f/cc	f/mm ² s/mm ²
107	S	5 th floor.		1940	2220	160	8/8	1280	2760	1			
108	S	5 th floor.		1941	2221	160	8/8	1280	2761	1			
109	S	5 th floor.		1942	2222	160	8/8	1280	2762	1			
110	S	5 th floor.		1943	2223	160	8/8	1280	2763	1			
111	S	5 th floor.		1944	2224	160	8/8	1280	2764	1			
112	S	4 th floor.		0010	0250	160	8/8	1280	2765	1			
113	S	4 th floor.		0011	0251	160	8/8	1280	2766	1			
114	S	4 th floor.		0012	0252	160	8/8	1280	2767	1			
115	S	4 th floor.		0013	0253	160	8/8	1280	2768	1			
116	S	4 th floor.		0014	0254	160	8/8	1280	2769	1			
117		Blows					—	—	2770	1			
118		Blows					—	—	2771	1			

Relinquished by (signature):		Date/Time:	Received by (signature):		Date/Time:
[Signature]		06.06.	[Signature]		6/6/02 10:20
B. L. [Signature]			J. [Signature]		
IWA: INSIDE WORK AREA			OWA: OUTSIDE WORK AREA		
SAMPLES: 1 - Ambient			2 - Background		
3 - Pre-Test			4 - During		
5 - Final			6 - Personal/OSHA		


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: T. Chhetry/B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Date Collected: 06/07/02
Date Rec'd (lab): 06/10/02
Analysis Date: 06/11/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
119	38th Floor	2807	1280.0	6	0.073	0	<13.77	<0.004
120	38th Floor	2808	1280.0	6	0.073	0	<13.77	<0.004
121	38th Floor	2809	1280.0	6	0.073	0	<13.77	<0.004
122	38th Floor	2810	1280.0	6	0.073	0	<13.77	<0.004
123	38th Floor	2811	1280.0	6	0.073	0	<13.77	<0.004
124	39th Floor	2812	1280.0	6	0.073	0	<13.77	<0.004
125	39th Floor	2813	1280.0	6	0.073	0	<13.77	<0.004
126	39th Floor	2814	1280.0	6	0.073	0	<13.77	<0.004
127	39th Floor	2815	1280.0	6	0.073	0	<13.77	<0.004
128	39th Floor	2816	1280.0	6	0.073	0	<13.77	<0.004
129	40th Floor	2817	1280.0	6	0.073	0	<13.77	<0.004
130	40th Floor	2818	1280.0	6	0.073	0	<13.77	<0.004
							Structures/mm ²	Structures/cc
Total Average Concentrations							<13.77	<0.004

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D. McCarl
Laboratory Director/Approved Signatory

TESTWELL LABORATORIES, INC.

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

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE BOVIS** (212) 992-6964 (FAX)

Name: **Company**

Tel/Fax

Date Analyzed: **6/11/02** Analyst: **D. McCarr** **XXXXXX (or TEM)**

TLI FIELD OFFICE FAX: (212) 512-2147 (FAX)

Air Sample Data Chain of Custody

Page 1 of 2

Project #: **MBO - 025 AB**

Date: **06.07.02**

Technician: **T. CHIHETRY / B. Anwar**

Signature: **B. Anwar**

Rotometer: **TLI - 10**

TURNAROUND TIME:

FIELD SAMPLE #		SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/ FIELDS	RESULTS: f/cc s/cc	RESULTS: f/mm ² s/mm ²
119	5	38 th			1830	2210	180	8/8	1280	2807	1		
120	5	38 th			1831	2211	160	8/8	1280	2808	1		
121	5	38 th			1832	2142	160	8/8	1280	2809	1		
122	5	38 th			1833	2143	160	8/8	1280	2810	1		
123	5	38 th			1834	2144	160	8/8	1280	2811	1		
124	5	39 th			1900	2140	160	8/8	1280	2812	1		
125	5	39 th			1901	2141	160	8/8	1280	2813	1		
126	5	39 th			1902	2142	160	8/8	1280	2814	1		
127	5	39 th			1903	2143	160	8/8	1280	2815	1		
128	5	39 th			1904	2144	160	8/8	1280	2816	1		
129	5	40 th			1930	2210	160	8/8	1280	2817	1		
130	5	↓			1931	2211	160	8/8	1280	2818	1		

ANALYSIS: LABORATORY USE ONLY

Relinquished by (signature): **B. Anwar**

Date/Time: **06.07.02**

Received by (signature): **D. Agent**

Date/Time: **6/10/02 9:00**

SAMPLE 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHA

IWA: INSIDE WORK AREA

OWA: OUTSIDE WORK AREA

**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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 06/07/02
Date Rec'd (lab): 06/10/02
Analysis Date: 06/11/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: T. Chhetry/B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
131	40th Floor	2819	1280.0	6	0.073	0	<13.77	<0.004
132	40th Floor	2820	1280.0	6	0.073	0	<13.77	<0.004
133	40th Floor	2821	1280.0	6	0.073	0	<13.77	<0.004
134	Blank	2822	0.0	6	0.073	0	<13.77	<0.004
135	Blank	2823	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							<13.77	<0.004

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Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York
Sample Location: Millenium Hilton Hotel @ WTC Various Floors

Date Collected: 06/11/02
Date Rec'd (lab): 06/12/02
Analysis Date: 06/12/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: K. Lavrinenko

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
1	3rd Floor Hall by Entrance	2849	1200.0	6	0.073	3	41.32	0.013
2	3rd Floor Hall by Ventilation Room	2850	1200.0	6	0.073	3	41.32	0.013
3	3rd Floor Hall Middle of Guest Prop. Office	2851	1200.0	6	0.073	4	55.10	0.018
4	3rd Floor Corridor by Stairway "A"	2852	1200.0	6	0.073	3	41.32	0.013
5	3rd Floor Lobby by Elevator Area	2853	1200.0	6	0.073	0	<13.77	<0.004
6	Field Blank	2854	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² 34.43	Structures/cc 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

Transmission Electron Microscopy Results

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

Sample Location: Millenium Hilton Hotel @ WTC Various Floors

Date Collected: 06/11/02
Date Rec'd (lab): 06/12/02
Analysis Date: 06/12/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: K. Lavrinenko

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
1 "C"	Level C / Human Resources Area	2855	1200.0	6	0.073	0	<13.77	<0.004
2 "C"	Level C / Training Room	2856	1200.0	6	0.073	0	<13.77	<0.004
3 "C"	Level C / Man's Locker Room	2857	1200.0	6	0.073	0	<13.77	<0.004
4 "C"	Level C / Uniform Issue Area	2858	1200.0	6	0.073	0	<13.77	<0.004
5 "C"	Level C / Cafeteria Area	2859	1200.0	6	0.073	0	<13.77	<0.004
6 "C"	Field Blank	2860	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							<13.77	<0.004

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Air Sample Data Chain of Custody

Page 1 of 2

Client: **BOVIS LEND LEASE - LAIB**

Project Site: **MILLENNIUM HILTON HOTEL WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE** BOVIS (212) 592-6961 (FAX)

Company

Date Analyzed: 6/12/02 Analyst: [Signature]

PCM ~~XXXXXX~~

Tel/Fax

Project #: **MBO - 025 AB**

Date: 06.11.02

Technician: Kosta Harris

Signature: [Signature]

Rotometer: **TLI-10**

TURN AROUND TIME:

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/ FIBERS	RESULTS 1/cc 1 s/cc 1/mm ² s/mm ²
01F	✓	3rd Floor Restroom Hall by the entrance to ladies.		1740	2140	240	5/5	1200	28519	1	
02F		By the ventilation Run office		1741	2141	240	5/5	1200	28550	1	
03F		Middle of Guest Prop.		1742	2142	240	5/5	1200	28551	1	
04F		Corridor by the stairway "A"		1743	2143	240	5/5	1200	28552	1	
05F		Lobby by Elevators Area		1744	2144	240	5/5	1200	28553	1	
06F	✓	Biological Blank							28554	1	
07F		Level 4 "C" Human Resources Area		1915	2115	120	10/10	1200	28555	1	
08F		Training Room		1917	2117	120	10/10	1200	28556	1	
09F		Man's Locker Room		1919	2119	120	10/10	1200	28557	1	
09F		Uniform Issue Area		1921	2121	120	10/10	1200	28558	1	
09F		Cafeteria Area		1923	2123	120	10/10	1200	28559	1	
09F	✓	Final Blank							28600	1	

Relinquished by (signature): [Signature] Date/Time: 06.11.02

Received by (signature): [Signature] Date/Time: 6/12/02

SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHA

IWA: INSIDE WORK AREA

OWA: OUTSIDE WORK AREA

Michael Deane 6/12/02 10:15


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 - LMB
200 Park Avenue
New York, New York
Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Date Collected: 06/11/02
Date Rec'd (lab): 06/12/02
Analysis Date: 06/14/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
137	Inside Work Area 35th Floor	2870	1280.0	6	0.073	0	<13.77	<0.004
138	Inside Work Area 35th Floor	2871	1280.0	6	0.073	0	<13.77	<0.004
139	Inside Work Area 35th Floor	2872	1280.0	6	0.073	0	<13.77	<0.004
140	Inside Work Area 35th Floor	2873	1280.0	6	0.073	0	<13.77	<0.004
141	Inside Work Area 35th Floor	2874	1280.0	6	0.073	0	<13.77	<0.004
142	Inside Work Area 36th Floor	2875	1280.0	6	0.073	0	<13.77	<0.004
143	Inside Work Area 36th Floor	2876	1280.0	6	0.073	0	<13.77	<0.004
144	Inside Work Area 36th Floor	2877	1280.0	6	0.073	0	<13.77	<0.004
145	Inside Work Area 36th Floor	2878	1280.0	6	0.073	0	<13.77	<0.004
146	Inside Work Area 36th Floor	2879	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

TESTWELL LABORATORIES, INC.

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Air Sample Data Chain of Custody Page 1 of 2Client: BOVIS LEND LEASE - LAIBProject Site: MILLENIUM HILTON HOTEL - WTC, VARIOUS FLOORSProject Address: 55 CHURCH STREET, NEW YORK, NY 10007Report to: MICHAEL DEANE BOVIS Company Tel/Fax (212) 592-6964 (FAX)Date Analyzed: 6/14/02 Analyst: ATE TEM XXXXXXProject #: MB0 - 025 ABDate: 06.11.02Technician: B. GiffmanSignature: B. GiffmanRotometer: TL1 - 10TURN AROUND TIME: 24

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: 1/cc 1 s/cc 1/mm 1 s/mm
137	5	35th floor		1215	1455	160	8/8	1280	2870	1	
138	1			1216	1456	160	8/8	1280	2871	1	
139	1			1217	1457	180	8/8	1280	2872	1	
140	1			1218	1458	160	8/8	1280	2873	1	
141	1			1219	1459	160	8/8	1280	2874	1	
142	5	36th floor		1245	1525	160	8/8	1280	2875	1	
143	1			1246	1526	160	8/8	1280	2876	1	
144	1			1247	1527	160	8/8	1280	2877	1	
145	1			1248	1528	160	8/8	1280	2878	1	
146	1			1249	1529	160	8/8	1280	2879	1	
										1	

Relinquished by (signature): <u>B. Giffman</u>	Date/Time: <u>06.11.</u>	Received by (signature): <u>M. Giffman</u>	Date/Time: <u>06/12/02</u>	SAMPLE: 1 - Ambient	2 - Background	3 - Pre-Test
				CODES: 4 - During	5 - Final	6 - Personal/OSHA
				IWA: INSIDE WORK AREA		
				OWA: OUTSIDE WORK AREA		


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Date Collected: 06/11/02
Date Rec'd (lab): 06/12/02
Analysis Date: 06/14/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
147	Inside Work Area 37th Floor	2880	1280.0	6	0.073	0	<13.77	<0.004
148	Inside Work Area 37th Floor	2881	1280.0	6	0.073	0	<13.77	<0.004
149	Inside Work Area 37th Floor	2882	1280.0	6	0.073	0	<13.77	<0.004
150	Inside Work Area 37th Floor	2883	1280.0	6	0.073	0	<13.77	<0.004
151	Inside Work Area 37th Floor	2884	1280.0	6	0.073	0	<13.77	<0.004
152	Blank	2885	0.0	6	0.073	0	<13.77	<0.004
153	Blank	2886	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York
Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Date Collected: 06/14/02
Date Rec'd (lab): 06/16/02
Analysis Date: 06/19/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: T. Chhetry / B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
154	Inside Work Area 32nd Floor	2922	1280.0	6	0.073	0	<13.77	<0.004
155	Inside Work Area 32nd Floor	2923	1280.0	6	0.073	0	<13.77	<0.004
156	Inside Work Area 32nd Floor	2924	1280.0	6	0.073	0	<13.77	<0.004
157	Inside Work Area 32nd Floor	2925	1280.0	6	0.073	0	<13.77	<0.004
158	Inside Work Area 32nd Floor	2926	1280.0	6	0.073	0	<13.77	<0.004
159	Inside Work Area 33rd Floor	2927	1280.0	6	0.073	0	<13.77	<0.004
160	Inside Work Area 33rd Floor	2928	1280.0	6	0.073	0	<13.77	<0.004
161	Inside Work Area 33rd Floor	2929	1280.0	6	0.073	0	<13.77	<0.004
162	Inside Work Area 33rd Floor	2930	1280.0	6	0.073	0	<13.77	<0.004
163	Inside Work Area 33rd Floor	2931	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

TESTWELL LABORATORIES, INC.

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

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE** BOVIS Company (212) 592-6964 (FAX)

Tel/Fax

Date Analyzed: 02/19/02 Analyst: D. McCarl XXXXXXXX (TEM)

VTLI FIELD OFFICE FAX: (212) 312-2147 (FAX)

Air Sample Data Chain of Custody Page 1 of 2

Project #: **MBO - 025 AB**

Date: 06/14/01

Technician: T. CHIETRY / B. L. M. O. A. N.

Signature: B. L. M. O. A. N.

Rotometer: **TLI - 10**

TURNAROUND TIME: **48**

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	RCM # X TEM #	FIBERS/FIELDS	ANALYSIS: LABORATORY USE ONLY	
											RESULTS: /cc /mm ² /mm ³ /s/mm ²	RESULTS: /cc /mm ² /mm ³ /s/mm ²
154	5	32 th floor. IWA		1600	1840	160	8/8	1280	2922	1		
155				1601	1841	160	8/8	1280	2923	1		
156				1602	1842	160	8/8	1280	2924	1		
157				1603	1843	160	8/8	1280	2925	1		
158				1604	1844	160	8/8	1280	2926	1		
159	5	33 th floor. IWA		1630	1910	160	8/8	1280	2927	1		
160				1631	1911	160	8/8	1280	2928	1		
161				1632	1912	160	8/8	1280	2929	1		
162				1633	1913	160	8/8	1280	2930	1		
163				1634	1914	160	8/8	1280	2931	1		

Relinquished by (signature): <u>B. L. M. O. A. N.</u>	Date/Time: <u>06/14</u>	Received by (signature):	Date/Time:
SAMPLE: 1 - Ambient		2 - Background	
CODES: 4 - During		5 - Final	
IWA: INSIDE WORK AREA		OWA: OUTSIDE WORK AREA	
3 - Pre-Test		6 - Personal/OSHIA	


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 - LMB
200 Park Avenue
New York, New York

Date Collected: 06/14/02
Date Rec'd (lab): 06/16/02
Analysis Date: 06/19/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: T. Chhetry / B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
164	Inside Work Area 34th Floor	2932	1280.0	6	0.073	0	<13.77	<0.004
165	Inside Work Area 34th Floor	2933	1280.0	6	0.073	0	<13.77	<0.004
166	Inside Work Area 34th Floor	2934	1280.0	6	0.073	0	<13.77	<0.004
167	Inside Work Area 34th Floor	2935	1280.0	6	0.073	0	<13.77	<0.004
168	Inside Work Area 34th Floor	2936	1280.0	6	0.073	0	<13.77	<0.004
169	Field Blank	2937	0.0	6	0.073	0	<13.77	<0.004
170	Field Blank	2938	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

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 LEND LEASE - LMB

Project Site: MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS

Project Address: 55 CHURCH STREET, NEW YORK, NY 10007

Report to: MICHAEL DEANE BOVIS (212) 592-6964 (FAX)

Name

Tel/Fax

Date Analyzed: 06/19/02 Analyst: P. McCarr

XXXXXX (TEM)

Project #: MBO - 025 AB

Date: 06/14/02

Technician: T. CHIHETRY / B. L. M. O. L.

Signature: B. L. M. O. L.

Rotometer: TLI - 10

TURNAROUND TIME: 48

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY		
									PCIM # (X-TEM #)	FIBERS/ FIELDS	RESULTS /cc / s/ccs / mm ² / s/mm ²
164	S	34th floor IWA		1700	1940	160	8 / 8	1280	2132	1	
165				1701	1941	160	8 / 8	1280	2133	1	
166				1702	1942	160	8 / 8	1280	2134	1	
167				1703	1943	160	8 / 8	1280	2135	1	
168				1704	1944	160	8 / 8	1280	2136	1	
									2137	1	
169		F. Blank					—	—	2138	1	
170		F. Blank					—	—	2139	1	
										1	
										1	
										1	
										1	
										1	
										1	

SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test
 CODES: 4 - During 5 - Final 6 - Personal/OSHIA
 IWA: INSIDE WORK AREA
 OWA: OUTSIDE WORK AREA

Relinquished by (signature): B. L. M. O. L. Date/Time: 06/19/02
 Received by (signature): _____ Date/Time: _____

**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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 06/19/02
Date Rec'd (lab): 06/20/02
Analysis Date: 06/21/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
171	Inside Work Area 29th Floor	3024	1280.0	6	0.073	0	<13.77	<0.004
172	Inside Work Area 29th Floor	3025	1280.0	6	0.073	1	13.77	0.004
173	Inside Work Area 29th Floor	3026	1280.0	6	0.073	0	<13.77	<0.004
174	Inside Work Area 29th Floor	3027	1280.0	6	0.073	0	<13.77	<0.004
175	Inside Work Area 29th Floor	3028	1280.0	6	0.073	0	<13.77	<0.004
176	Inside Work Area 30th Floor	3029	1280.0	6	0.073	3	41.32	0.012
177	Inside Work Area 30th Floor	3030	1280.0	6	0.073	0	<13.77	<0.004
178	Inside Work Area 30th Floor	3031	1280.0	6	0.073	0	<13.77	<0.004
179	Inside Work Area 30th Floor	3032	1280.0	6	0.073	0	<13.77	<0.004
180	Inside Work Area 30th Floor	3033	1280.0	6	0.073	2	27.55	0.008
							Structures/mm ²	Structures/cc
Total Average Concentrations							<17.90	<0.005

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Laboratory Director/Approved Signatory

Field Fax (212) 592-312-2147

Air Sample Data Chain of Custody

Page 1 of 2

TESTWELL LABORATORIES, INC.

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

Client: Ber's

Project Site: M. H. L. Hotel

Project Address: 55 Chambers St. NY NY

Report to: M. Chevrolet. Queen Ber's

Name

Company

Tel/Fax

PCM of TEM

Date Analyzed: _____ Analyst: _____

Project #: 1130-025 A13

Date: 06.19.02

Technician: B. G. F. W. C.

Signature: B. G. F. W. C.

Rotometer: R O Y C I.

ANALYSIS: LABORATORY USE ONLY										RESULTS:		
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/FIELDS	RESULTS: f/cc l s/cc	RESULTS: f/mm ² l s/mm ²
171	5	29 th floor IWA		1510	1750	160	8/8	1280	3024	1		
172				1511	1751	160	8/8	1280	3025	1		
173				1512	1752	160	8/8	1280	3026	1		
174				1513	1753	160	8/8	1280	3027	1		
175				1514	1754	160	8/8	1280	3028	1		
176	5	30 th floor IWA		1540	1820	160	8/8	1280	3029	1		
177				1541	1821	160	8/8	1280	3030	1		
178				1542	1822	160	8/8	1280	3031	1		
179				1543	1823	160	8/8	1280	3032	1		
180				1544	1824	160	8/8	1280	3033	1		
										1		
										1		

Relinquished by (signature): <u>B. G. F. W. C.</u>	Date/Time: <u>06/19</u>	Received by (signature): <u>[Signature]</u>	Date/Time: <u>6/20/02</u>
SAMPLE: 1 - Ambient		2 - Background	
CODIS: 4 - During		5 - Final	
		3 - Pre-Test	
		6 - Personal/OSHA	

11/20/02 6:20-29:30


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 - LMB**
200 Park Avenue
New York, New York

Sample Location: **Millenium Hilton Hotel @ WTC Various Floors**
55 Church Street
New York, New York

Field Technician: **B. Gitman**

Filter Type: **MCE 0.45 micron**
vg.Grid Opening: **0.0121mm²**

Date Collected: **06/19/02**
Date Rec'd (lab): **06/20/02**
Analysis Date: **06/21/02**
TEM Analyst: **D. McCarl**
Analytical Method: **AHERA**

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
181	Inside Work Area 31st Floor	3034	1280.0	6	0.073	1	13.77	0.004
182	Inside Work Area 31st Floor	3035	1280.0	6	0.073	0	<13.77	<0.004
183	Inside Work Area 31st Floor	3036	1280.0	6	0.073	0	<13.77	<0.004
184	Inside Work Area 31st Floor	3037	1280.0	6	0.073	0	<13.77	<0.004
185	Inside Work Area 31st Floor	3038	1280.0	6	0.073	0	<13.77	<0.004
186	Blank	3039	0.0	6	0.073	0	<13.77	<0.004
187	Blank	3040	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York
Date Collected: 06/20/02

Date Rec'd (lab): 06/21/02

Analysis Date: 06/24/02

TEM Analyst: D. McCarl

Analytical Method: AHERA

Sample Location: Millenium Hilton Hotel @ WTC Various Floors

55 Church Street

New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron

vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
188	Inside Work Area 26th Floor	3049	1280.0	6	0.073	2	27.55	0.008
189	Inside Work Area 26th Floor	3050	1280.0	6	0.073	0	<13.77	<0.004
190	Inside Work Area 26th Floor	3051	1280.0	6	0.073	0	<13.77	<0.004
191	Inside Work Area 26th Floor	3052	1280.0	6	0.073	0	<13.77	<0.004
192	Inside Work Area 26th Floor	3053	1280.0	6	0.073	0	<13.77	<0.004
193	Inside Work Area 27th Floor	3054	1280.0	6	0.073	0	<13.77	<0.004
194	Inside Work Area 27th Floor	3055	1280.0	6	0.073	0	<13.77	<0.004
195	Inside Work Area 27th Floor	3056	1280.0	6	0.073	0	<13.77	<0.004
196	Inside Work Area 27th Floor	3057	1280.0	6	0.073	1	13.77	0.004
197	Inside Work Area 27th Floor	3058	1280.0	6	0.073	0	<13.77	<0.004
							Structures/mm ²	Structures/cc
Total Average Concentrations							<15.14	<0.004

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Laboratory Director/Approved Signatory

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

Client: **BOVIS LEND LEASE - LMB**
Project Site: **MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**
Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**
Report to: **MICHAEL DEANE BOVIS** (212) 592-6964 (FAX)
Name Company Tel/Fax

Project #: **MBO - 025 AB**
Date: **06/20/02**
Technician: **B Gutman**
Signature: **B Gutman**
Rotometer: **R0901**
TURNAROUND TIME: **(TEM)**

Date Analyzed: **06/24/02** Analyst: **Dan Caci** TLI FIELD OFFICE FAX: (212) 312-2147 (FAX)

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM # X TEM #	FIBERS/FIELDS	RESULTS: /cc /s/cc /mm ² /s/mm ²
188	5	26 th floor		1440	1740	160	8/8	1280	3049	1	
189		↓		1441	1701	160	8/8	1280	3050	1	
190		↓		1442	1702	160	8/8	1280	3051	1	
191		↓		1443	1703	160	8/8	1280	3052	1	
192		↓		1444	1704	160	8/8	1280	3053	1	
193	5	27 th floor		1530	1740	160	8/8	1280	3054	1	
194		↓		1531	1751	160	8/8	1280	3055	1	
195		↓		1532	1752	160	8/8	1280	3056	1	
196		↓		1533	1753	160	8/8	1280	3057	1	
197		↓		1534	1754	160	8/8	1280	3058	1	

ANALYSIS: LABORATORY USE ONLY

Relinquished by (signature): **B. Gutman** Date/Time: **06.20**

Received by (signature): **[Signature]** Date/Time: **6/21/02**

SAMPLE 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHA

IWA: INSIDE WORK AREA

Attn: 6-21-2 6 AM


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Date Collected: 06/20/02

Date Rec'd (lab): 06/21/02

Analysis Date: 06/24/02

TEM Analyst: D. McCarl

Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
198	Inside Work Area 28th Floor	3059	1280.0	6	0.073	0	<13.77	<0.004
199	Inside Work Area 28th Floor	3060	1280.0	6	0.073	0	<13.77	<0.004
200	Inside Work Area 28th Floor	3061	1280.0	6	0.073	0	<13.77	<0.004
201	Inside Work Area 28th Floor	3062	1280.0	6	0.073	0	<13.77	<0.004
202	Inside Work Area 28th Floor	3063	1280.0	6	0.073	1	13.77	0.004
203	Blank	3064	0.0	6	0.073	0	<13.77	<0.004
204	Blank	3065	0.0	6	0.073	0	<13.77	<0.004
							Structures/mm ²	Structures/cc
Total Average Concentrations							<13.77	<0.004

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Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Field Technician: B. Gitman

Date Collected: 06/25/02
Date Rec'd (lab): 06/26/02
Analysis Date: 06/27/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Filter Type: MCE 0.45 micron
avg. Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
205	Inside Work Area 23rd Floor	3121	1280.0	6	0.073	2	27.55	0.008
206	Inside Work Area 23rd Floor	3122	1280.0	6	0.073	5	68.87	0.021
207	Inside Work Area 23rd Floor	3123	1280.0	6	0.073	4	55.10	0.017
208	Inside Work Area 23rd Floor	3124	1280.0	6	0.073	3	41.32	0.012
209	Inside Work Area 23rd Floor	3125	1280.0	6	0.073	1	13.77	0.004
210	Inside Work Area 24th Floor	3126	1280.0	6	0.073	2	27.55	0.008
211	Inside Work Area 24th Floor	3127	1280.0	6	0.073	0	<13.77	<0.004
212	Inside Work Area 24th Floor	3128	1280.0	6	0.073	1	13.77	0.004
213	Inside Work Area 24th Floor	3129	1280.0	6	0.073	2	27.55	0.008
214	Inside Work Area 24th Floor	3130	1280.0	6	0.073	3	41.32	0.012
Total Average Concentrations							Structures/mm ² 33.05	Structures/cc 0.009

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Laboratory Director/Approved Signatory

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 LEND LEASE - LMB**

Project Site: **MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE BOVIS** (212) 592-6964 (FAX)

Company

Tel/Fax

Date Analyzed: 6/27/02 Analyst: [Signature]

(751)

Project #: **MBO - 025 AB**

Date: 06/25

Technician: B Gilmora

Signature: Δ Gilmora

Rotometer: R 0901

TURNAROUND TIME:

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: 1/cc 1/s/cc 1/mm ² /s/min
205	S	23 th floor IWA		1545	1825	160	8/8	1280	3121	1	
206				1546	1826	160	8/8	1280	3122	1	
207				1547	1827	160	8/8	1280	3123	1	
208				1548	1828	160	8/8	1280	3124	1	
209				1549	1829	160	8/8	1280	3125	1	
210	S	24 th floor IWA		1655	1935	160	8/8	1280	3126	1	
211				1656	1936	160	8/8	1280	3127	1	
212				1657	1937	160	8/8	1280	3128	1	
213				1658	1938	160	8/8	1280	3129	1	
214				1659	1939	160	8/8	1280	3130	1	
										1	
										1	

Relinquished by (signature): <u>B Gilmora</u>	Date/Time: <u>06/25</u>	Received by (signature): <u>[Signature]</u>	Date/Time: <u>6/26/02</u>
SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test		4 - During 5 - Final 6 - Personal/OSHA	
IWA: INSIDE WORK AREA		OWA: OUTSIDE WORK AREA	


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 - LMB
 200 Park Avenue
 New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Field Technician: B. Gitman

Date Collected: 06/25/02
Date Rec'd (lab): 06/26/02
Analysis Date: 06/27/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Filter Type: MCE 0.45 micron

avg. Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
215	Inside Work Area 2th Floor	3131	1280.0	6	0.073	0	<13.77	<0.004
216	Inside Work Area 2th Floor	3132	1280.0	6	0.073	5	68.87	0.021
217	Inside Work Area 2th Floor	3133	1280.0	6	0.073	0	<13.77	<0.004
218	Inside Work Area 2th Floor	3134	1280.0	6	0.073	0	<13.77	<0.004
219	Inside Work Area 2th Floor	3135	1280.0	6	0.073	2	27.55	0.008
220	Field Blank	3136	1280.0	6	0.073	0	<13.77	<0.004
221	Field Blank	3137	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <23.61	Structures/cc <0.007

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Laboratory Director/Approved Signatory

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 LEND LEASE - LMB

Project Site: MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS

Project Address: 55 CHURCH STREET, NEW YORK, NY 10007

Report to: MICHAEL DEANE BOVIS (212) 592-6964 (FAX)

Company

Tel/Fax

Date Analyzed: 6/27/02 Analyst: *DM*

TLL FIELD OFFICE FAX: (212) 312-2147 (FAX)

Project #: MBO - 025 AB

Date: 6/25

Technician: B. Gutman

Signature: B. Gutman

Rotometer: R 0901

TURNAROUND TIME:

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/500 CM ² FIELDS	RESULTS: 1/cf/s/ccf/min/m ³ /m
215	5	25 th floor. IWA		1900	2140	160	8/8	1280	3131	1	
216				1901	2141	160	8/8	1280	3132	1	
217				1902	2142	160	8/8	1280	3133	1	
218				1903	2143	160	8/8	1280	3134	1	
219	↓	↓		1904	2144	160	8/8	1280	3135	1	
220		Blank				-	-	-	3136	1	
221		Blank				-	-	-	3137	1	
										1	
										1	
										1	
										1	
										1	
										1	
										1	

Relinquished by (signature):

B. Gutman

Date/Time:

06, 25

Received by (signature):

DM

Date/Time:

6/26/02

SAMPLE CODES: 1 - Ambient 2 - Background 3 - Pre-Test

4 - During 5 - Final 6 - Personal/OSHA

IWA: INSIDE WORK AREA

OWA: OUTSIDE WORK AREA


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
wvg.Grid Opening: 0.0121mm²

Date Collected: 06/27/02
Date Rec'd (lab): 06/28/02
Analysis Date: 07/01/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
222	3rd Floor Restroom	3209	1280.0	6	0.073	0	<13.77	<0.004
223	3rd Floor Restroom	3210	1280.0	6	0.073	0	<13.77	<0.004
224	3rd Floor Restroom	3211	1280.0	6	0.073	0	<13.77	<0.004
225	3rd Floor Restroom	3212	1280.0	6	0.073	0	<13.77	<0.004
226	3rd Floor Restroom	3213	1280.0	6	0.073	0	<13.77	<0.004
227	22nd Floor	3214	1280.0	6	0.073	0	<13.77	<0.004
228	22nd Floor	3215	1280.0	6	0.073	0	<13.77	<0.004
229	22nd Floor	3216	1280.0	6	0.073	0	<13.77	<0.004
230	22nd Floor	3217	1280.0	6	0.073	0	<13.77	<0.004
231	22nd Floor	3218	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

**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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Date Collected: 06/27/02
Date Rec'd (lab): 06/28/02
Analysis Date: 07/01/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Filter Type: MCE 0.45 micron
wg. Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
232	21st Floor	3219	1280.0	6	0.073	0	<13.77	<0.004
233	21st Floor	3220	1280.0	6	0.073	0	<13.77	<0.004
234	21st Floor	3221	1280.0	6	0.073	1	13.77	0.004
235	21st Floor	3222	1280.0	6	0.073	0	<13.77	<0.004
236	21st Floor	3223	1280.0	6	0.073	0	<13.77	<0.004
237	20th Floor	3224	1280.0	6	0.073	0	<13.77	<0.004
238	20th Floor	3225	1280.0	6	0.073	0	<13.77	<0.004
239	20th Floor	3226	1280.0	6	0.073	0	<13.77	<0.004
240	20th Floor	3227	1280.0	6	0.073	0	<13.77	<0.004
241	20th Floor	3228	1280.0	6	0.073	3	41.32	0.012
242	Field Blank	3229	0.0	6	0.073	0	<13.77	<0.004
243	Field Blank	3230	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² N/A	Structures/cc N/A

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Air Sample Data Chain of Custody

Page 2 of 2

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE** BOVIS Company Tel/Fax: **(212) 592-6964 (FAX)**

Name

Date Analyzed: _____ Analyst: _____

Project #: **MBO - 025 AB**

Date: **06/27/02**

Technician: **B. Gitman**

Signature: *B. Gitman*

Rotometer: **R 0901**

TURNAROUND TIME: _____

TLL FIELD OFFICE FAX:- (212) 312-2147 (FAX)									
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY
									PCB # FIBERS/FIELD RESULTS /cc /sqcc /min /sqm
232	S	21 st floor		1820	2100	160	8/8	1280	3219
233				1821	2101	160	8/8	1280	3220
234				1822	2102	160	8/8	1280	3221
235				1823	2103	160	8/8	1280	3222
236	✓	↓		1824	2104	160	8/8	1280	3223
237	S	20 th floor		1850	2130	160	8/8	1280	3224
238				1851	2131	160	8/8	1280	3225
239				1852	2132	160	8/8	1280	3226
240				1853	2133	160	8/8	1280	3227
241	✓	↓		1854	2134	160	8/8	1280	3228
242		Blank							3229
243		Blank							3230

SAMPLE 1 - Ambient 2 - Background 3 - Pre-Test
 CODES: 4 - During 5 - Final 6 - Personal/OSHA
 IWA: INSIDE WORK AREA
 OWA: OUTSIDE WORK AREA



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

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

Transmission Electron Microscopy Results

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

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
avg.Grid Opening: 0.0121mm²

Date Collected: 07/02/02
Date Rec'd (lab): 07/05/02
Analysis Date: 07/06/02
TEM Analyst: M. Veraldi
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
244	19th Floor	3675	1280.0	5	0.385	0	<20.00	<0.0043
245	19th Floor	3676	1280.0	5	0.385	0	<20.00	<0.0043
246	19th Floor	3677	1280.0	5	0.385	0	<20.00	<0.0043
247	19th Floor	3678	1280.0	5	0.385	0	<20.00	<0.0043
248	19th Floor	3679	1280.0	5	0.385	0	<20.00	<0.0043
249	18th Floor	3680	1280.0	5	0.385	0	<20.00	<0.0043
250	18th Floor	3681	1280.0	5	0.385	0	<20.00	<0.0043
251	18th Floor	3682	1280.0	5	0.385	0	<20.00	<0.0043
252	18th Floor	3683	1280.0	5	0.385	0	<20.00	<0.0043
253	18th Floor	3684	1280.0	5	0.385	0	<20.00	<0.0043
254	17th Floor	3685	1280.0	5	0.385	0	<20.00	<0.0043
255	17th Floor	3686	1280.0	5	0.385	0	<20.00	<0.0043
256	17th Floor	3687	1280.0	5	0.385	0	<20.00	<0.0043
257	17th Floor	3688	1280.0	5	0.385	0	<20.00	<0.0043
258	17th Floor	3689	1280.0	5	0.385	0	<20.00	<0.0043
259	Field Blank	3690	0.0	5	0.385	0	<20.00	<0.0043
260	Field Blank	3691	0.0	5	0.385	0	<20.00	<0.0043
Total Average Concentrations							Structures/mm ² <20.00	Structures/cc <0.0043

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Subbar M. E. A.

Laboratory Director/Approved Signatory

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

Client: BOVIS LEND LEASE - LMB
Project Site: MILLENIUM HILTON HOTEL @ WTC, VARIOUS FLOORS
Project Address: 55 CHURCH STREET, NEW YORK, NY 10007
Report to: MICHAEL DEANE BOVIS Company
Name Tel/Fax (212) 592-6964 (FAX)

Project #: MBO - 025 AB
Date: 07.02.02
Technician: B Gtman
Signature: B Gtman
Rotometer: R 0901

Date Analyzed: _____ Analyst: (TEM)
TURNAROUND TIME: _____
TTL FIELD OFFICE FAX: (212) 312-2147 (FAX)

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM #	FIBERS/FIELDS	RESULTS	RESULTS
244	5	19 th floor		1530	1810	160	3/8	1280	3675	1		
245				1531	1811	160	8/8	1280	3676	1		
246				1532	1812	160	8/8	1280	3677	1		
247				1533	1813	160	8/8	1280	3678	1		
248	✓	✓		1534	1814	160	8/8	1280	3679	1		
249	5	18 th floor		1610	1850	160	8/8	1280	3680	1		
250				1611	1851	160	8/8	1280	3681	1		
251				1612	1852	160	8/8	1280	3682	1		
252				1613	1853	160	8/8	1280	3683	1		
253	✓	✓		1614	1854	160	8/8	1280	3684	1		

Relinquished by (signature): B Gtman Date/Time: 07.02.

Received by (signature): D. Agent Date/Time: 7/5/02 9:20

SAMPLE 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHA

IWA: INSIDE WORK AREA

OWA: OUTSIDE WORK AREA


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 - LMB
 200 Park Avenue
 New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Field Technician: B. Gitman

Date Collected: 07/09/02
Date Rec'd (lab): 07/10/02
Analysis Date: 07/12/02
TEM Analyst: M. Veraldi
Analytical Method: AHERA

Filter Type: MCE 0.45 micron
avg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
268	10th Floor	3991	1280.0	6	0.073	0	<13.77	<0.004
269	10th Floor	3992	1280.0	6	0.073	0	<13.77	<0.004
270	10th Floor	3993	1280.0	6	0.073	0	<13.77	<0.004
271	10th Floor	3994	1280.0	6	0.073	0	<13.77	<0.004
272	10th Floor	3995	1280.0	6	0.073	0	<13.77	<0.004
273	11th Floor	3996	1280.0	6	0.073	0	<13.77	<0.004
274	11th Floor	3997	1280.0	6	0.073	0	<13.77	<0.004
275	11th Floor	3998	1280.0	6	0.073	0	<13.77	<0.004
276	11th Floor	3999	1280.0	6	0.073	0	<13.77	<0.004
277	11th Floor	4000	1280.0	6	0.073	0	<13.77	<0.004
278	12th Floor	4001	1280.0	6	0.073	0	<13.77	<0.004
279	12th Floor	4002	1280.0	6	0.073	0	<13.77	<0.004
280	12th Floor	4003	1280.0	6	0.073	0	<13.77	<0.004
281	12th Floor	4004	1280.0	6	0.073	0	<13.77	<0.004
282	12th Floor	4005	1280.0	6	0.073	0	<13.77	<0.004
283	Field Blank	4006	0.0	6	0.073	0	<13.77	<0.004
284	Field Blank	4007	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Air Sample Data Chain of Custody

Page 1 of 2

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE** BOVIS Company

(212) 592-6964 (FAX)

Tel/Fax

Date Analyzed: 7/12/02 Analyst: Amccail

(PEM)

TLI FIELD OFFICE FAX: (212) 312-2147 (FAX)

Project #: **MB0 - 025 AB**

Date: 07/09

Technician: B. Bitman

Signature: B. Bitman

Rotometer: R0901

TURNAROUND TIME:

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY		
									PCM #	FIBERS/ FIELDS	RESULTS: 1/60 (1/sec) 1/100 (1/min) 1/1500 (1/min)
268	5	10 th floor		1910	2150	160	8/8	1280	3981	1	
269				1911	2151	160	8/8	1280	3982	1	
270				1912	2152	160	8/8	1280	3983	1	
271				1913	2153	160	8/8	1280	3984	1	
272	↓			1914	2154	160	8/8	1280	3985	1	
									3986	1	
273	5	11 th floor		1935	2215	160	8/8	1280	3987	1	
274				1936	2216	160	8/8	1280	3988	1	
275				1937	2217	160	8/8	1280	3989	1	
276				1938	2218	160	8/8	1280	3990	1	
277	↓			1939	2219	160	8/8	1280		1	

Relinquished by (signature): <u>B. Bitman</u>	Date/Time: <u>07/09</u>	Received by (signature): <u>Amccail</u>	Date/Time: <u>7/10/02</u>	SAMPLE	1 - Ambient	2 - Background	3 - Pre-Test
				CODES:	4 - During	5 - Final	6 - Personal/OSHA
				IWA:	INSIDE WORK AREA		
				OVA:	OUTSIDE WORK AREA		


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
avg. Grid Opening: 0.0121mm²

Date Collected: 07/11/02
Date Rec'd (lab): 07/12/02
Analysis Date: 07/16/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
285	9th Floor	4248	1280.0	6	0.073	0	<13.77	<0.004
286	9th Floor	4249	1280.0	6	0.073	0	<13.77	<0.004
287	9th Floor	4250	1280.0	6	0.073	0	<13.77	<0.004
288	9th Floor	4251	1280.0	6	0.073	0	<13.77	<0.004
289	9th Floor	4252	1280.0	6	0.073	0	<13.77	<0.004
290	Field Blank	4253	0.0	6	0.073	0	<13.77	<0.004
291	Field Blank	4254	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Date Collected: 07/12/02
Date Rec'd (lab): 07/13/02
Analysis Date: 07/16/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Filter Type: MCE 0.45 micron

vvg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
292	8th Floor	7273	1280.0	6	0.073	0	<13.77	<0.004
293	8th Floor	7274	1280.0	6	0.073	0	<13.77	<0.004
294	8th Floor	7275	1280.0	6	0.073	0	<13.77	<0.004
295	8th Floor	7276	1280.0	6	0.073	0	<13.77	<0.004
296	8th Floor	7277	1280.0	6	0.073	0	<13.77	<0.004
297	Field Blank	7278	0.0	6	0.073	0	<13.77	<0.004
298	Field Blank	7279	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Laboratory Director/Approved Signatory

**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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron

avg.Grid Opening: 0.0121mm²

Date Collected: 07/19/02
Date Rec'd (lab): 07/22/02
Analysis Date: 07/24/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
299	Lobby	4824	1280.0	6	0.073	1	13.77	0.004
300	Lobby	4825	1280.0	6	0.073	0	<13.77	<0.004
301	Lobby	4826	1280.0	6	0.073	0	<13.77	<0.004
302	Lobby	4827	1280.0	6	0.073	0	<13.77	<0.004
303	Lobby	4828	1280.0	6	0.073	0	<13.77	<0.004
304	Field Blank	4829	0.0	6	0.073	0	<13.77	<0.004
305	Field Blank	4830	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ²	Structures/cc
							<13.77	<0.004

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Laboratory Director/Approved Signatory


TESTWELL LABORATORIES, INC.

Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

NYS ELAP # 11142
NVLAP # 200083-0
A1HA # 100147

Transmission Electron Microscopy Results

Client: **Bovis Lend Lease - LMB**
200 Park Avenue
New York, New York

Sample Location: **Millenium Hilton Hotel @ WTC Various Floors**
55 Church Street
New York, New York

Date Collected: 07/23/02
Date Rec'd (lab): 07/23/02
Analysis Date: 07/24/02
TEM Analyst: V.B.
Analytical Method: AHERA

Field Technician: B. Gitman

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

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
306	Level C North East Section	4988	1280.0	6	0.073	0	<13.77	<0.004
307	Level C North East Section	4989	1280.0	6	0.073	0	<13.77	<0.004
308	Level C North East Section	4990	1280.0	6	0.073	0	<13.77	<0.004
309	Level C North East Section	4991	1280.0	6	0.073	0	<13.77	<0.004
310	Level C North East Section	4992	1280.0	6	0.073	0	<13.77	<0.004
311	Field Blank	4993	0.0	6	0.073	0	<13.77	<0.004
312	Field Blank	4994	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Robert McEal
Laboratory Director/Approved Signatory

**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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 07/30/02
Date Rec'd (lab): 07/31/02
Analysis Date: 08/01/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
320	3rd Floor Kitchen	5498	1280.0	6	0.073	0	<13.77	<0.004
321	3rd Floor Kitchen	5499	1280.0	6	0.073	0	<13.77	<0.004
322	3rd Floor Kitchen	5500	1280.0	6	0.073	0	<13.77	<0.004
323	3rd Floor Kitchen	5501	1280.0	6	0.073	0	<13.77	<0.004
324	3rd Floor Kitchen	5502	1280.0	6	0.073	0	<13.77	<0.004
325	Field Blank	5503	0.0	0	0	0	<13.77	<0.004
326	Field Blank	5504	0.0	0	0	0	<13.77	<0.004
							Structures/mm ²	Structures/cc
Total Average Concentrations							<13.77	<0.004

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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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 08/02/02

Date Rec'd (lab): 08/05/02

Analysis Date: 08/06/02

TEM Analyst: D. McCarl

Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron

vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
328	Level SC West Section	5764	1280.0	6	0.073	0	<13.77	<0.004
329	Level SC West Section	5765	1280.0	6	0.073	0	<13.77	<0.004
330	Level SC West Section	5766	1280.0	6	0.073	0	<13.77	<0.004
331	Level SC West Section	5767	1280.0	6	0.073	0	<13.77	<0.004
332	Level SC West Section	5768	1280.0	6	0.073	0	<13.77	<0.004
333	Blank	5769	0.0	6	0.073	0	<13.77	<0.004
334	Blank	5770	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Air Sample Data Chain of Custody

Page 1 of 1

Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS, Level 30 West Sec**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE** BOVIS Company Tel/Fax: **(212) 592-6964 (FAX)**

Date Analyzed: **8/6/02** Analyst: **RMCCarl** **(TEM)**

Project #: **MBO - 025 AB**

Date: **08.02.02**

Technician: **B Bitman**

Signature: **B Bitman**

Rotometer: **R0901**

TURNAROUND TIME:

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/1000 FIELDS
328		Level 30. west section		1640	1920	160	8/8	1280	5764	1
329				1641	1921	160	8/8	1280	5765	1
330				1642	1922	160	8/8	1280	5766	1
331				1643	1923	160	8/8	1280	5767	1
332				1644	1924	160	8/8	1280	5768	1
333		Blank							5769	1
334		Blank							5770	1
										1
										1
										1
										1
										1
										1
										1

Relinquished by (signature): B Bitman	Date/Time: 08.02	Received by (signature): [Signature]	Date/Time: 8/5/02 2:30	SAMPLE: 1 - Ambient	2 - Background	3 - Pre-Test
				CODES: 4 - During	5 - Final	6 - Personal/OSHIA

**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 - LMB
200 Park Avenue
New York, New York

Date Collected: 08/06/02
Date Rec'd (lab): 08/07/02
Analysis Date: 08/07/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
335	2nd Floor	5909	1280.0	6	0.073	0	<13.77	<0.004
336	2nd Floor	5910	1280.0	6	0.073	0	<13.77	<0.004
337	2nd Floor	5911	1280.0	6	0.073	0	<13.77	<0.004
338	2nd Floor	5912	1280.0	6	0.073	0	<13.77	<0.004
339	Security Office	5913	1280.0	6	0.073	0	<13.77	<0.004
340	Blank	5914	0.0	6	0.073	0	<13.77	<0.004
341	Blank	5915	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Client: **BOVIS LEND LEASE - LMB**

Project Site: **MILLENNIUM HILTON HOTEL @ WTC, VARIOUS FLOORS**

Project Address: **55 CHURCH STREET, NEW YORK, NY 10007**

Report to: **MICHAEL DEANE** BOVIS Company Tel/Fax: **(212) 592-6964 (FAX)**

Date Analyzed: **8/7/02** Analyst: **[Signature]**

THE FIELD OFFICE FAX:-- (212) 312-2147 (FAX)

Air Sample Data Chain of Custody Page 1 of 1

Project #: **MBO - 025 AB**
 Date: **0826.02**
 Technician: **B Bitman**
 Signature: **0806.02**
 Rotometer: **R 0901**
 TURNAROUND TIME:

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	ANALYSIS: LABORATORY USE ONLY			
									PCM #	FIBERS/CC	RESULTS	PERCENT
335	5	2nd floor.		1600	1840	160	8/8	1280	5909	1		
336				1601	1841	160	8/8	1280	5910	1		
337				1602	1842	160	8/8	1280	5911	1		
338				1603	1843	160	8/8	1280	5912	1		
339		V. security office		1604	1844	160	8/8	1280	5913	1		
340		Blank							5914	1		
341		Blank							5915	1		
									5916	1		
									5917	1		
									5918	1		
									5919	1		
									5920	1		

Relinquished by (signature): **Bitman**

Date/Time: **08.06.02**

Received by (signature):

Date/Time:

SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test

CODES: 4 - During 5 - Final 6 - Personal/OSHA


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 - LMB
200 Park Avenue
New York, New York

Date Collected: 08/07/02
Date Rec'd (lab): 08/07/02
Analysis Date: 08/08/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
342	Pits Room of Elevator #3	6010	1280.0	6	0.073	0	<13.77	<0.004
343	Pits Room of Elevator #1 & #2	6011	1280.0	6	0.073	0	<13.77	<0.004
344	Pits Room of Elevator #4	6012	1280.0	6	0.073	0	<13.77	<0.004
345	Pits Room of Elevator #5 & #6	6013	1280.0	6	0.073	0	<13.77	<0.004
346	Blank	6014	0.0	0	0	0	<13.77	<0.004
347	Blank	6015	0.0	0	0	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² <13.77	Structures/cc <0.004

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Environmental Laboratory
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NYS ELAP # 11142

NVLAP # 200083-0

AIHA # 100147

Transmission Electron Microscopy Results

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

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 08/08/02
Date Rec'd (lab): 08/09/02
Analysis Date: 08/12/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
348	56th Floor Inside Work Area	6191	1280.0	6	0.073	0	<13.77	<0.004
349	56th Floor Inside Work Area	6192	1280.0	6	0.073	0	<13.77	<0.004
350	56th Floor Inside Work Area	6193	1280.0	6	0.073	2	27.55	0.008
351	56th Floor Inside Work Area	6194	1280.0	6	0.073	0	<13.77	<0.004
352	56th Floor Inside Work Area	6195	1280.0	6	0.073	0	<13.77	<0.004
353	33rd Floor Inside Work Area	6196	1280.0	6	0.073	0	<13.77	<0.004
354	33rd Floor Inside Work Area	6197	1280.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² 15.74	Structures/cc 0.005

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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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Date Collected: 08/08/02
Date Rec'd (lab): 08/09/02
Analysis Date: 08/12/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
355	33rd Floor Inside Work Area	6198	1280.0	6	0.073	0	<13.77	<0.004
356	33rd Floor Inside Work Area	6199	1280.0	6	0.073	0	<13.77	<0.004
357	33rd Floor Inside Work Area	6200	1280.0	6	0.073	1	13.77	0.004
358	Blank	6201	0.0	6	0.073	0	<13.77	<0.004
359	Blank	6202	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² < 13.77	Structures/cc < 0.004

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Rush.

Air Sample Data Chain of Custody

Page 1 of 1

Client: BorisProject Site: 33 floor 2 56 floorProject Address: M. Hilton Hotel. NY, NYReport to: Michael Deane. Boris

Name

Company

Date Analyzed: P. McCann Analyst: 8/12/02

PCM or TEM

Project #:

Date:

Technician:

Signature:

Rotometer:

M130-025 AB

08/08/02

B. Deane

B. Deane

R0901

ANALYSIS: LABORATORY USE ONLY

FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM # X TEM #	FIBERS/ FIELDS	RESULTS: f/cc s/cc	RESULTS: f/mm ² s/mm ²
348	↓	56 th floor IWA		1450	1730	160	8/8	1280	6191	1		
349	↓			1451	1731	160	8/8	1280	6192	1		
350	↓			1452	1732	160	8/8	1280	6193	1		
351	↓			1453	1733	160	8/8	1280	6194	1		
352	↓			1454	1734	160	8/8	1280	6195	1		
353	↓	33 rd floor IWA		1510	1750	160	8/8	1280	6196	1		
354	↓			1511	1751	160	8/8	1280	6197	1		
355	↓			1512	1752	160	8/8	1280	6198	1		
356	↓			1513	1753	160	8/8	1280	6199	1		
357	↓			1514	1754	160	8/8	1280	6200	1		
358		F. Blank					—	—	6201	1		
359		F. Blank					—	—	6202	1		
Relinquished by (signature): B. Deane	Date/Time: 08/08	Received by (signature): <i>[Signature]</i>	Date/Time: 8/5/02 1:05	SAMPLE: 1 - Ambient 2 - Background 3 - Pre-Test CODIS: 4 - During 5 - Final 6 - Personal/OSHA								

**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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Date Collected: 08/12/02

Date Rec'd (lab): 08/13/02

Analysis Date: 08/14/02

TEM Analyst: D. McCarl

Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
360	Inside Work Area	6399	1280.0	6	0.073	0	<13.77	<0.004
361	Inside Work Area	6400	1280.0	6	0.073	0	<13.77	<0.004
362	Inside Work Area	6401	1280.0	6	0.073	0	13.77	0.004
363	Inside Work Area	6402	1280.0	6	0.073	0	<13.77	<0.004
364	Inside Work Area	6403	1280.0	6	0.073	0	<13.77	<0.004
365	Blank	6404	0.0	6	0.073	0	<13.77	<0.004
366	Blank	6405	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² < 13.77	Structures/cc < 0.004

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Air Sample Data Chain of Custody

Page 1 of 1

Client: Bovis

Project Site: 6-7 floors mechanical room.

Project Address: M. Hilton Hotel N.Y. NY

Report to: M. Deane Bovis

tel/fax

Company

Date Analyzed: D.M. Carr Analyst: 8/14/02

PCM or TEM

Project #:

Date: 08.12.02

Technician: B. Agnew

Signature: B. Agnew

Rotometer: R0901

ANALYSIS: LABORATORY USE ONLY										
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	RESULTS: f/cc s/cc	RESULTS: f/mm ² s/mm ²
360	S	IWA		1830	2110	160	8/8	1280	6399	1
361				1831	2111	160	8/8	1280	6400	1
362				1832	2112	160	8/8	1280	6401	1
363				1833	2113	160	8/8	1280	6402	1
364				1834	2114	160	8/8	1280	6403	1
365		Blank					-		6404	1
366		Blank					-		6405	1
										1
										1
										1
										1
										1
										1
										1

Relinquished by (signature): <u>B. Agnew</u>	Date/Time: <u>08.12</u>	Received by (signature): <u>D. Agnew</u>	Date/Time: <u>8/13/02 9:35</u>
---	----------------------------	---	-----------------------------------

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

Handwritten: Alex 8.13.02


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 - LMB
200 Park Avenue
New York, New York
Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Date Collected: 08/14/02
Date Rec'd (lab): 08/15/02
Analysis Date: 08/16/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
vg.Grid Opening: 0.0121mm²

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
366	Loading dock area	6588	1280.0	6	0.073	0	<13.77	<0.004
367	Loading dock area	6589	1280.0	6	0.073	0	<13.77	<0.004
368	Loading dock area	6590	1280.0	6	0.073	0	13.77	0.004
369	Blank	6591	0.0	6	0.073	0	<13.77	<0.004
370	Blank	6592	0.0	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² < 13.77	Structures/cc < 0.004

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Environmental Laboratory
47 Hudson Street, Ossining, New York 10562

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

Transmission Electron Microscopy Results

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

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
55 Church Street
New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron
avg.Grid Opening: 0.0121mm²

Date Collected: 08/21/02
Date Rec'd (lab): 08/22/02
Analysis Date: 08/23/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
371	Pits of freight elevator	6948	1280.0	6	0.073	0	<13.77	<0.004
372	Level SC, C, L	6949	1280.0	6	0.073	0	<13.77	<0.004
373	Level SC, C, L	6950	1280.0	6	0.073	0	<13.77	<0.004
374	Level SC, C, L	6951	1280.0	6	0.073	0	<13.77	<0.004
375	Level SC, C, L	6952	1280.0	6	0.073	0	<13.77	<0.004
376	Blank	6953	N/A	6	0.073	0	<13.77	<0.004
377	Blank	6954	N/A	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm ² < 13.77	Structures/cc < 0.004

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Laboratory Director/Approved Signatory


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 - LMB
200 Park Avenue
New York, New York

Sample Location: Millenium Hilton Hotel @ WTC Various Floors
 55 Church Street
 New York, New York

Field Technician: B. Gitman

Filter Type: MCE 0.45 micron

g. Grid Opening: 0.0121mm²

Date Collected: 09/04/02
Date Rec'd (lab): 09/05/02
Analysis Date: 09/06/02
TEM Analyst: D. McCarl
Analytical Method: AHERA

Sample #:	Sample Location:	Lab Number 02TEM #	Volume Coll. (liters)	Grid Openings Analyzed	Grid Area Analyzed	Countable Asb. Structures	Concentration Structures/mm ²	Concentration Structures/cc
378	Level C pump room	7541	1280.0	6	0.073	0	<13.77	<0.004
379	Level C Hall	7542	1280.0	6	0.073	0	<13.77	<0.004
380	3rd floor restroom	7543	1280.0	6	0.073	2	27.55	0.008
381	4th floor TFX 13	7544	1280.0	6	0.073	1	13.77	0.004
382	5th floor TFX 7 L	7545	1280.0	6	0.073	0	<13.77	<0.004
383	5th floor TFX 7 R	7546	1280.0	6	0.073	0	<13.77	<0.004
384	6th floor HVAC 7 L	7547	1280.0	6	0.073	0	<13.77	<0.004
385	6th floor HVAC 7 R	7548	1280.0	6	0.073	0	<13.77	<0.004
386	Blank	7549	N/A	6	0.073	0	<13.77	<0.004
387	Blank	7550	N/A	6	0.073	0	<13.77	<0.004
Total Average Concentrations							Structures/mm² 15.15	Structures/cc < 0.004

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Air Sample Data Chain of Custody

Page

Client: PCV's

Project Site:

Project Address: M. Hilton Hotel, N.Y. NY

Report to: M. Deane

Name

Company

(212) 592-6964

Tel/Fax

Date Analyzed: 9/16/02

Analyst: JG

PCM or TEM

Project #: MB0-025 ARS

Date: 090402

Technician: B. Lefmon

Signature: B. Lefmon

Rotometer: R 0901

ANALYSIS: LABORATORY USE										RESULTS:			
FIELD SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	PUMP#	START TIME	STOP TIME	TOTAL MINUTES	FLOW RATE START/STOP	TOTAL VOLUME	PCM # TEM #	FIBERS/ FIELDS	f/cc	s/cc	f/m
378		Level C Pump room.		1230	1510	160	8/8	1280	44	1			
379		↓ Hall		1245	1525	160	8/8	1280	42	1			
380		3 rd floor Restroom.		1300	1540	160	8/8	1280	43	1			
381		4 th floor TFX 13		1315	1555	160	8/8	1280	44	1			
382		5 th floor TFX 7 L		1345	1625	160	8/8	1280	45	1			
383		↓ TFX 7 R.		1345	1625	160	8/8	1280	46	1			
384		6 th floor HVAC 7 L		1405	1645	160	8/8	1280	47	1			
385		↓ HVAC 7 R		1405	1645	160	8/8		48	1			
386		Blow							49	1			
387		Blow							50	1			
										1			
Relinquished by (signature): <u>B. Lefmon</u>		Date/Time: <u>09.04.</u>		Received by (signature): <u>[Signature]</u>		Date/Time: <u>9/5/02</u>		SAMPLE CODES:		1 - Ambient	2 - Background	3 - Pre-Test	6 - Personal/O
										4 - During	5 - Final		



Bulk Sample Results

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

**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 - LMB
200 Park Avenue
New York, New York

Project No: MBO-025AB
Collected By: T. Chhetry
Date Sampled: 05/31/02
Date Analyzed: 06/14/02
PLM Analyst: V. Binchkauskas
TEM Analyst: N/A

PROJECT: Millenium Hilton Hotel @ WTC
55 Church Street
New York, New York 10007

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
1	02PLM # 4151	First Floor / Main Lobby - Dust in Plenum Space Wall	Friable	Chrysotile = 0.52% Cellulose = 29.84% Fiberglass = 19.2% Other = Trace Non-Fibrous = 50.52%
2	02PLM # 4152	First Floor / Main Lobby - Dust in Plenum Space Center	Friable	Chrysotile = Trace Cellulose = 35% Fiberglass = 15% Other = Trace Non-Fibrous = 50%
3	02PLM # 4153	3rd Floor / Dust on Hung Ceiling by the Bar	Friable	Cellulose = 30% Fiberglass = 40% Non-Fibrous = 30%
4	02PLM # 4154	3rd Floor / Dust on Hung Ceiling Boardroom	Friable	Chrysotile = 0.25% Cellulose = 10.13% Fiberglass = 40% Other = Trace Non-Fibrous = 49.62%
5	02PLM # 4155	4th Floor / Dust on Hung Ceiling Boardroom	Friable	Cellulose = 5% Fiberglass = 15% Non-Fibrous = 80%
6	02PLM # 4156	4th Floor / Dust on Hung Ceiling in Tribeca Conference Room	Friable	Chrysotile = Trace Cellulose = 20% Fiberglass = 50% Non-Fibrous = 30%
7	02PLM # 4157	4th Floor / Dust on Hung Ceiling in Chelsea Dining Room	Friable	Cellulose = 5% Fiberglass = Trace Non-Fibrous = 95%

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Deborah McCarl-Laboratories Director

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

TESTWELL LABORATORIES, INC.

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Bulk Sample Data Chain of Custody Page 1 of 1Client: BOVIS LEND LEASE - LMB

Project #:

MBO-025 ABProject Site: MILLENNIUM HILTON HOTEL @ WTC

Date:

05/31/02Project Address: 55 CHURCH STREET, NEW YORK, NY 10007

Inspector:

T. CHHETRYReport to: MICHAEL DEANE BOVIS

Signature:

[Signature]Company
Tel/FaxVOYAGER: (212) 312-2147 (FAX)Date Analyzed: 6/14/02

Analyst: (PLM)

Date Analyzed: 6/14/02

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	TEM NUMBER (+/-)
1	FIRST	LOBBY	A	1	MAIN LOBBY - DUST	N	F	GRAY	N/A	4151	-
2	"	"	"	2	IN PLENUM SPACE - WALL	"	"	"	"	4152	-
3	"	"	"	3	MAIN LOBBY - DUST	"	"	"	"	4153	-
4	"	"	"	4	IN PLENUM SPACE - CENTER	"	"	"	"	4154	-
5	"	"	"	5	3RD FLOOR - DUST ON HUNG CEILING BY THE BAR	"	"	"	"	4155	-
6	"	"	"	6	3RD FLOOR - DUST ON HUNG CEILING BY THE BAR	"	"	"	"	4156	-
7	"	"	"	7	4TH FLOOR - DUST ON HUNG CEILING - BOARD ROOM	"	"	"	"	4157	-
REINQUISHED BY (SIGNATURE): DATE: 05/31/02 11:30 PM REINQUISHED BY (SIGNATURE): DATE: 05/31/02 12:30 PM											
REINQUISHED BY (SIGNATURE): DATE: 05/31/02 12:30 PM REINQUISHED BY (SIGNATURE): DATE: 05/31/02 12:30 PM											

Turnaround Time: 8HR 24HR 48HR 72HR
 OTHER: RYST - ABAP (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 = NYS DOH 198.4

COMMENTS:

[Signature]



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 - LMB
 200 Park Avenue
 New York, New York

Project No: MBO-025AB
Collected By: B. Feldman
Date Sampled: 08/12/02
Date Analyzed: 08/14/02
PLM Analyst: V. Binchkauskas
TEM Analyst: N/A

PROJECT: Millenium Hilton Hotel @ WTC
 55 Church Street
 New York, New York 10007

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
01	02PLM# 5510	Cooling Tower Elements	Friable	Non-Fibrous = 100%
02	02PLM# 5511	Cooling Tower Elements	Friable	Non-Fibrous = 100%
03	02PLM# 5512	Cooling Tower Elements	Friable	Non-Fibrous = 100%

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Deborah McCarl

Deborah McCarl-Laboratories Director

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

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NYS ELAP # 11142

NVLAP # 200083-0

AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

CLIENT: Bovis Lend Lease-LMB
200 Park Avenue
New York, New York

PROJECT: Millenium Hilton Hotel @ WTC
55 Church Street
New York, New York 10007

Project No: MBO-025AB
Collected By: B. Feldman
Date Sampled: 09/24/02
Date Analyzed: 09/25/02
PLM Analyst: R. Yallabandi
TEM Analyst: N/A

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
924 - 01	02PLM# 7001	4th Floor Air Plenum, Debris on Shaft Wall	Friable	Cellulose = 85% Hair = 15%
925 - 02	02PLM# 7002	3rd Floor Kitchen, Debris in Black Iron Duct	Friable	Cellulose = 20% Fiberglass = 7% Non-Fibrous = 73%

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



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
200 Park Avenue
New York, New York

PROJECT: Millennium Hilton Hotel
55 Church Street
New York, New York 10007

Project No: MBO-025AB
Collected By: B. Feldman
Date Sampled: 10/08/02
Date Analyzed: 10/09/02
PLM Analyst: R. Yallabandi
TEM Analyst: N/A

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
108-01	02PLM# 7464	Gypsum board partitions including mask tape and joint compound	Friable	Cellulose = 13% Fiberglass = 2% Non-fibrous = 85%
108-02	02PLM# 7465	Gypsum board partitions including mask tape and joint compound	Friable	Cellulose = 10% Fiberglass = 3% Non-fibrous = 87%
108-03	02PLM# 7466	Gypsum board partitions including mask tape and joint compound	Friable	Cellulose = 15% Fiberglass = 5% Non-fibrous = 80%
108-04	02PLM# 7467	Gypsum board partitions including mask tape and joint compound	Friable	Cellulose = Trace Fiberglass = 5% Non-fibrous = 95%
108-05	02PLM# 7468	Gypsum board partitions including mask tape and joint compound	Friable	Non-fibrous = 100%

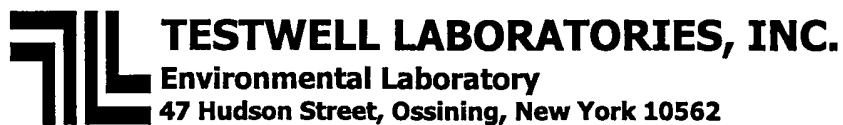
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Robert M. Cal



NYS ELAP # 11142

NVLAP # 200083-0

AIHA # 100147

CERTIFICATE OF LABORATORY ANALYSIS FOR ASBESTOS CONTENT

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

Project No: MBO-025AB

Collected By: B. Feldman

Date Sampled: 10/01/02

Date Analyzed: 10/01/02

PLM Analyst: R. Yallabandi

TEM Analyst: N/A

PROJECT: Millenium Hilton Hotel
 55 Church Street
 New York, New York 10007

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
101-01	02PLM# 7154	Dust on unit filter	Friable	Other Synthetic Fibrous = 100%
101-02	02PLM# 7155	Dust on unit filter	Friable	Other Synthetic Fibrous = 100%

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Deborah McCarl-Laboratories Director

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


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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
 200 Park Avenue
 New York, New York

PROJECT: Millennium Hilton Hotel
 55 Church Street
 New York, New York 10007

Project No: MBO-025AB
Collected By: B. Feldman
Date Sampled: 10/02/02
Date Analyzed: 10/02/02
PLM Analyst: R. Yallabandi
TEM Analyst: N/A

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
RF-4	02PLM# 7201	Debris inside unit	Friable	Cellulose = 58% Synthetic = 30% Non-fibrous = 12%
S-6	02PLM# 7202	Debris on louver	Friable	Cellulose = 70% Fiberglass = 20% Synthetic = 10%
S-10	02PLM# 7203	Debris on louver	Friable	Cellulose = 80% Synthetic = 15% Non-fibrous = 5%

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Deborah McCarl-Laboratories Director

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

Bulk Sample Data Chain of Custody Page 1 of 1

Client: BOVIS LEAD LEASE

Project Site: MILLERMAN HIGHWAY HOTEL

Project Address: 55 Church St., New York, NY

Report to: LEWY 212-566-1437

[illegible]

Date Analyzed: 10/2/02 Analyst: (P)LM
Name: _____ Company: DEJ Inc

Date Analyzed: _____
Analyst: (TEM) _____

Analyst: (TEM)

Analyst: (TEM)

Analyst: (TEM)

[illegible]

Triable = NYS DOH 198.1
NOB = NYS DOH 198.4

COMMENTS:



Clearance Letters

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



47 Hudson Street, Ossining, New York 10562
Tel: (914)-762-9000 • Fax: (914)-762-9638 • testwelllabs.com

Offices in

Albany, NY
Queens, NY
Woodbridge, NJ
Miami, FL

March 5, 2002

Mr. Michael Deane
Bovis Lend Lease LMB, Inc.
200 Park Avenue
New York, New York 10166
Michael.Deane@bovislendlease.com

Certifications &
Accreditations

Telephone: (212) 592-6912
Facsimile: (212) 592-6988

Regarding: Curtainwall Insulation Sampling
Millennium Hilton Hotel
Church Street
New York, New York



Dear Mr. Deane,

We have completed field inspection, sampling and laboratory analysis of the yellow insulation panels related to glass replacement at the Millennium Hilton Hotel.



Tej Chhetry, NYC DEP certified asbestos investigator, collected bulk samples of the yellow fiberglass type insulation that was left exposed as a result of curtainwall damage on September 11, 2001. In addition, samples of dust on the adjoining window sills and caulking from the glass setting bed were also collected.

Laboratory analysis has confirmed that the samples are classified as Non-Asbestos Containing Materials (Non-ACM).



Respectfully submitted,

Testwell Laboratories, Inc.

NYS DOH ELAP #10871,
11142 & 11651


Charles Schnugg
Vice President

Cc: BLL Millennium Field Office



CLIENT: Bovis Lend Lease - LMB

 Project No: MBO-025AB
 Collected By: Tej Chhetry
 Date Sampled: 02/27/02
 Date Analyzed: 03/01/02
 PLM Analyst: V.B.
 TEM Analyst: N/A

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

NUMBER:	LAB ID #	DESCRIPTION	MATRIX	RESULTS (%)
1	02PLM # 1081	Exposed Fiberglass Insulation on NW Side of the Building	Friable	Cellulose = 1% Fiberglass = 90% Non-Fibrous = 90%
2	02PLM # 1082	Exposed Fiberglass Insulation on SW Side of the Building	Friable	Chrysotile = 0.26% Amosite = 0.26% Cellulose = 5.13% Fiberglass = 58.97% Non-Fibrous = 35.38%
3	02PLM # 1083	Exposed Fiberglass Insulation on West Side of the Building	Friable	Chrysotile = 0.26% Cellulose = 6.11% Fiberglass = 54.96% Non-Fibrous = 38.42%
4	02PLM # 1084	Dust on Broken Glass Well, NW Side	Friable	Cellulose = 50% Non-Fibrous = 50%
5	02PLM # 1085	Dust on Broken Glass Well, SW Side	Friable	Chrysotile = 0.51% Cellulose = 15.46% Fiberglass = 58.97% Other = Trace Non-Fibrous = 48.97%
6	02PLM # 1086	Dust on Broken Glass Well, South Side	Friable	Chrysotile = 0.26% Cellulose = 6.92% Fiberglass = 25.13% Other = Trace Non-Fibrous = 67.69%
7	02PLM # 1087 02TEM # 484	Caulking on Broken Wall Glass, NW Side	NOB	Non-ACM by TEM
8	02PLM # 1088 02TEM # 485	Caulking on Broken Wall Glass, SW Side	NOB	Non-ACM by TEM
9	02PLM # 1089 02TEM # 486	Caulking on Broken Wall Glass, South Side	NOB	Non-ACM by TEM

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AIHA



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

Deborah McCarl-Laboratories Director

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August 20, 2002

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Miami, FL

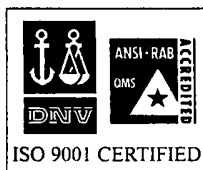
Michael Deane
Bovis Lend Lease LMB, Inc.
200 Park Avenue
New York, New York 10166

Regarding: **Millennium Hilton Hotel**
3rd Floor Roof Setback @ 195 Broadway

Certifications &
Accreditations

Dear Mr. Deane,

During a site visit on Friday, August 16th, it was observed that two (2) air conditioning condenser units servicing Hilton occupied third floor areas of 195 Broadway are located in a fire stair on the adjacent roof of 195 Broadway.



It was noted that these areas were not cleaned and contained excessive quantities of debris, presumably from the World Trade Center collapse on September 11th, 2001.

ETS Contracting has performed gross cleaning of the third floor roof of 55 Church, but that cleaning ends at the 195 Broadway property line.

Prior to re-commissioning the condenser units, the affected area of 195 Broadway must be cleaned in accordance with NYC DEP protocol.

Respectfully submitted,

Testwell Laboratories, Inc.

Charles Schnugg
Vice President



NYS DOH ELAP #10871,
11142 & 11651

Cc: Sharon Ann Flynn/BLL-LMB
Lenny Kelleher/BLL-LMB
Boris Feldman/TLI



Testwell Laboratories, Inc.
Ossining, NY is accredited
by the American Industrial
Hygiene Association (AIHA)
in the industrial hygiene program
CERT. NO. 100147



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September 30, 2002

Offices in

Albany, NY
Queens, NY
Woodbridge, NJ
Miami, FL

Michael Deane, Project Manager
Bovis Lend Lease LMB
200 Park Avenue
New York, New York 10166

Telephone: **212-592-6700**

Facsimile: **212-592-6988**

Certifications & Accreditations

Regarding: **Millennium Hilton Hotel**
55 Church Street, New York, NY
Asbestos Clearance

Dear Mr. Deane,



This is to inform you that asbestos cleanup activities at the Millennium Hilton Hotel, 55 Church Street, New York, New York have been completed in accordance with applicable rules and regulations governing the handling and disturbance of asbestos materials. All areas of the building have been decontaminated and air sampling has indicated the building is suitable for re-occupancy according to US EPA AHERA/NYC DEP protocol requiring all clearance samples demonstrate fiber concentrations of less than 70 S/mm².



Assessment and testing of potential asbestos hazards at the site commenced in mid-September 2001. This assessment included the following activities:

- Visual inspection of facility by certified personnel
- Bulk sampling of debris with analysis by Polarized Light Microscopy (PLM)
- Air sampling of interior spaces with analysis by Phase Contrast Microscopy (PCM).
- Air sampling for building occupant exposure to fibers in accordance with OSHA 1926.58 and NIOSH 7400.
- Air sampling of interior spaces with analysis by Transmission Electron Microscopy (TEM)
- Dust sampling of surfaces with analysis by TEM in accordance with ASTM D5755-95 "Microvac".



NYS DOH ELAP #10871,
11142 & 11651

Based on the condition assessment of the building, it was determined that asbestos decontamination of the building interior was warranted. Work was performed by ETS Contracting, Inc., Clay Street, Brooklyn, a New York State Department of Labor licensed asbestos contractor. Work commenced on May 9, 2002 and proceeded through the building in a top-down manner. Punch list work following the decontamination was completed September 26, 2002.



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CERT. NO. 100147



Michael Deane, Project Manager
Bovis Lend Lease LMB
Regarding: Millennium Hilton Hotel
55 Church Street, New York, NY
Asbestos Clearance
September 30, 2002
Page 2

We are forwarding to you under separate cover a summary of air sample results for the period involved. A more complete and detailed listing of air sample results will also be included.

If you have any questions or need additional information, please feel free to contact me at (914) 944-2563.

Respectfully,

Testwell Laboratories, Inc.

A handwritten signature in black ink, appearing to read 'Charles Schnegg', is written over a horizontal line.

Charles Schnegg
Vice President

Cc: S. Flynn/BLL (212) 566-1437
L. Kelleher/BLL (212) 566-1437
P. Taylor/Stonehill & Taylor (212) 226-8898



47 Hudson Street, Ossining, New York 10562
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October 7, 2002

Offices in

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Queens, NY
Woodbridge, NJ
Miami, FL

Michael Deane, Project Manager
Bovis Lend Lease LMB
200 Park Avenue
New York, New York 10166

Certifications & Accreditations

Telephone: **212-592-6912**
Facsimile: **212-592-6988**

Regarding: **Millennium Hilton Hotel**
55 Church Street, New York, NY
Microvac Sampling at PBX Equipment



Dear Mr. Deane,

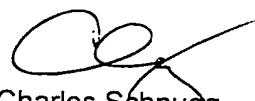
With regard to Microvac sampling that was performed at the PBX telephone equipment located on the 6th floor, please note that this method of analysis is highly sensitive and the mere presence of asbestos fibers does not represent that the surface sampled is contaminated. Background asbestos fiber concentrations may range from 3,000 to 5,000 asbestos structures per square centimeter.

None of the results for samples collected at the site indicate fiber concentrations at or above these levels.

If you have any questions or need additional information, please feel free to contact me at (914) 944-2563.

Respectfully,

Testwell Laboratories, Inc.


Charles Schnugg
Vice President

Cc: S. Flynn/BLL (212) 566-1437



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Michael J. Egan
Clevenger Frable Lavallee
Foodservice Consultants
39 Westmoreland Avenue
White Plains, New York 10606

Regarding: **Microvac Testing for Asbestos Fibers**
Millennium Hilton Hotel
55 Church Street, NY, NY

Certifications & Accreditations

Dear Mr. Egan,

Testing of various surfaces within kitchen and food preparation areas of the Millennium Hilton Hotel was conducted as per your request.



Attached, please find a summary of results indicating location of sample, surface sampled, results reported in number of asbestos structures observed and the calculated concentration of asbestos fibers per square centimeter.

Please note that this method of analysis is highly sensitive and the mere presence of asbestos fibers does not represent that the surface sampled is contaminated. Background asbestos fiber concentrations range from 3,000 to 5,000 asbestos structures per square centimeter.



Based on sample results, the following CFA items were determined to be contaminated with asbestos fibers and require cleaning or disposal:

CFA # 9 - 3rd Floor Kitchen Ice Machine – Top of unit and interior
CFA# 11 – 3rd Floor Kitchen Pass-thru Refrig. – Top of unit
CFA # 18 – 3rd Floor Kitchen Freezer – Top of unit and interior
CFA #18A – 3rd Floor Kitchen Dual Temp. Refrig. – Top of unit



All other surfaces sampled were at method detection limit or below.

Respectfully,

NYS DOH ELAP #10871,
11142 & 11651

Testwell Laboratories, Inc.


Charles Schnugg
Vice President

Cc: Michael Deane/BLL
Sharon Flynn/BLL



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**Microvac Testing of Kitchen Equipment
Millennium Hilton Hotel**

Floor/ Location	CFA Item #	Equipment Sampled	Location of Sample	Field Sample No.	Counted Structures	Concentration (S/cm2)
3rd	1	Clean Dishtable	Surface	K1	0	< 3305.79
	6	Refrigerator	Adjacent top coil	K6A	15	12396.69
			Inside unit	K6B	1	< 3305.79
	8	Counter	Surface	K8	0	< 3305.79
	9	Ice Machine	Adjacent top evaporator plate	K9	16	13223.14
	9A	Ice Machine	Inside ice storage bin	K9A	6	4858.68
	11	Pass-thru Refrigerator	Adjacent top coils	K11	15	12396.69
			Inside unit	K11A	0	< 3305.79
	13	Hand Sink	Surface	K13	0	< 3305.79
	14	3 Compartment Pot Sink	Surface	K14	0	< 3305.79
	15	Preparation Work Table	Surface	K15	0	< 3305.79
	16	Dual Temp Refrigerator	Adjacent top coil	K16	0	< 3305.79
			Inside unit	K16A	0	< 3305.79
	17	Walk In Boxes	Surface inside left unit	K17A	0	< 3305.79
			Surface inside right unit	K17B	0	< 3305.79
	18	Freezer	Adjacent top coil	K18	16	13223.14
			Inside unit	K18B	6	4858.68
	18A	Dual Temp Refrigerator	Adjacent top coil	K18A	15	12396.69
			Inside unit	K18C	2	< 3305.79
	19	Refrigerator	Adjacent top coil	K19	0	< 3305.79
			Inside unit	K19A	0	< 3305.79
	20	Hand Sink	Surface	K20	0	< 3305.79
	21	Beverage Counter	Surface	K21	0	< 3305.79
	25	Built-in Roll Warmer	Inside unit	K25	2	< 3305.79
	26	Mobile Table	Surface	K26	0	< 3305.79
	27	Mobile Table	Surface	K27	0	< 3305.79
	28	Table w/Bain Marie	Surface	K28	0	< 3305.79
	30	Kettle w/Pedestal Base	Surface	K30	0	< 3305.79
	36	Exhaust Hood w/Remote Wash	Surface	K36	0	< 3305.79
	36A	Exhaust Hood w/Remote Wash	Surface	K36A	0	< 3305.79
	45	Refrigerator	Adjacent top coil	K45	6	4858.68
			Inside unit	K45A	0	< 3305.79
	46	Chef's Counter w/Bain Marie	Surface	K46	0	< 3305.79
	46B	Pick-up Shelves	Surface	K46B	0	< 3305.79
	47	Refrigerator	Adjacent top coil	K47	2	< 3305.79
	48	Counter w/dish Storage Below	Surface	K48	0	< 3305.79
			Inside unit	K48A	0	< 3305.79
	50	Counter	Surface	K50	0	< 3305.79
	51	Built-in Roll Warmer	Surface	K51	0	< 3305.79
	55	Refrigerator	Adjacent top coil	K55	2	< 3305.79
			Inside unit	K55A	0	< 3305.79
	56	Refrigerator	Adjacent top coil	K56	0	< 3305.79
			Inside unit	K56A	0	< 3305.79
	M1	Toaster	COULD NOT LOCATE			
	M3	Microwave	Inside unit	KM3	0	< 3305.79
	M8	Buffet Counter (Dining Room)	Surface	KM8	0	< 3305.79
4 Pan.	4-1	Roll-in Refrigerator	Adjacent top coil	KM41	0	< 3305.79
			Inside unit	KM41A	0	< 3305.79
	4-2	Roll-in Refrigerator	Adjacent top coil	KM42	0	< 3305.79
			Inside unit	KM42A	0	< 3305.79
	4-3	Ice Maker w/Storage Bin	Adjacent top coil	KM43	0	< 3305.79
			Inside unit	KM43A	0	< 3305.79

**Microvac Testing of Kitchen Equipment
Millennium Hilton Hotel**

Floor/ Location	CFA Item #	Equipment Sampled	Location of Sample	Field Sample No.	Counted Structures	Concentration (S/cm2)
	4-4	Dishwasher w/Booster	Inside unit	KM44	0	< 3305.79
Cellar	C1	Icemaker w/Storage Bin	Inside unit	C91	0	< 3305.79
			Adjacent top coil	C92	0	< 3305.79
	C2	Cook & Hold Oven	Surface	C21	0	< 3305.79
	C3	Dishwasher w/Booster	Surface	C31	0	< 3305.79
	C4	Refrigerator	Adjacent top coil	C41	0	< 3305.79
			Inside unit	C42	0	< 3305.79
	C6	Built-in Roll Warmer	Surface	C61	0	< 3305.79
	C7	Conveyor Toaster	Surface	C71	0	< 3305.79
	C8	Microwave Oven	COULD NOT LOCATE			
	C11	Beverage Counter	Surface	C11-1	0	< 3305.79
			Push up cart for trays	C11-2	0	< 3305.79
			Hot food counter	C11-3	0	< 3305.79
			Tray counter	C11-4	0	< 3305.79
LD	MSC	Trash Cooler	Inside unit	LDTC-1	0	< 3305.79
			On top of unit	LDTC-2	3	< 3305.79
3	MSC	Compartment Beverage Cooler	Inside unit	KBC-1	0	< 3305.79
			On top of unit	KBC-2	0	< 3305.79
2	MSC	Compartment Cooler - Security	Inside unit	DDS-1	0	< 3305.79
			On top of unit	DDS-2	2	< 3305.79



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September 19, 2002

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Robert Chaiken
ASR Electrical Corporation
39 Cain Drive
Plainview, New York 11803

Certifications &
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Telephone: **516-420-0101**
Facsimile: **516-420-0136**

Regarding: **Millennium Hilton Hotel**
55 Church Street
New York, NY
Asbestos Clearances



Dear Mr. Chaiken,

This is to inform you that all areas (SC-56) of the Millennium Hilton Hotel, 55 Church Street, New York, New York have been cleared for re-occupancy according to US EPA AHERA/NYC DEP protocol requiring all clearance samples demonstrate fiber concentrations $<70 \text{ S/mm}^2$.

Copies of air sample results for any specific areas are available at the site through the Bovis Project Superintendent, Lenny Kelleher.

If you have any questions or need additional information, please feel free to contact me at (914) 944-2563.

Respectfully,

Testwell Laboratories, Inc.


Charles Schnugg
Vice President

Cc: M. Deane/BLL
L. Kelleher/BLL



NYS DOH ELAP #10871,
11142 & 11651





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September 27, 2002

Michael Deane
Bovis Lend Lease LMB
200 Park Avenue
New York, New York 10166

Certifications &
Accreditations

Telephone: 212-592-6700
Facsimile: 212-592-6988

Regarding: **Millennium Hilton Hotel**
55 Church Street
New York, NY
Asbestos Clearances – HVAC Systems



Dear Mr. Deane,

This is to inform you that the HVAC systems of the Millennium Hilton Hotel, 55 Church Street, New York, New York have been cleared for operation according to US EPA AHERA/NYC DEP protocol requiring all clearance samples demonstrate fiber concentrations <70 S/mm².



Duct systems and related blowers, intakes and exhausts were cleaned using agitated vacuum procedures, HEPA vacuuming and wet wiping.

If you have any questions or need additional information, please feel free to contact me at (914) 944-2563.



Respectfully,

Testwell Laboratories, Inc.


Charles Schnugg
Vice President

NYS DOH ELAP #10871.
11142 & 11651

Cc: S. Flynn/BLL (212) 566-1437
L. Kelleher/BLL (212) 566-1437
D. Stone/MHH (212) 312-2147

