



ambient group inc.

Indoor environmental quality surveys
Water treatment consulting
Asbestos & lead field services
Regulatory compliance programs
Air, water & soil analytical laboratories

NATIONAL HEADQUARTERS

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12TH FLOOR
NEW YORK, NEW YORK 10018
TEL: (212) 463-7812
FAX: (212) 463-9397
WEB: WWW.AMBIENTGROUP.COM

September 28, 2001

Mr. Elliot Zuckerman
Cushman & Wakefield
a/a/f Mercantile Exchange
One North End Avenue
New York, New York 10282

**Re: One North End Avenue
Ambient Project # 211338 C**

Dear Mr. Zuckermen:

The following is a summary of the indoor environmental quality survey that Ambient Group, Inc. performed on September 26th, 2001 at the above referenced location. The survey included air sample collection for TEM analysis and airborne dust characterization.

Seven (7) air samples were collected from various locations on floors 3, 7, 12, 14, 15, lobby and outside the building and analyzed by transmission electron microscopy (TEM) for asbestos structures. The results of the analysis indicated that airborne asbestos levels at the time of testing were less than the analytical sensitivity of the instrument, as well as well below the EPA standard of 70 structures/mm² and other recommended industry guidelines and/or regulations.

Seven (7) air samples were collected from floors 3, 7, 12, 14, 15, lobby and from outside the building and analyzed for dust characterization. The samples were composed primarily of gravel road dust, carbon particles, fungal spores, cement dust and other constituents commonly found in New York office buildings' dust. From our sample results collected inside and outside the building, we have identified nothing which would restrict normal occupancy of the building. All indoor fungal spore concentrations were below the outside air levels. Additionally, no asbestos was detected in the air samples.

Should you have any questions regarding this information, please feel free to call me.

Sincerely,

Signed for Ambient Group, Inc. by:

John P. Springston
John P. Springston, CIH, CSP
Director of Field Operations

GLEN COVE, NY
516 609-0009

MIAMI, FL
305 860-0101

CHICAGO, IL
312 527-5526

ORANGE, CA
714 282-2525

Ambient Group, Inc.
Particulate Analysis
On Air-O-Cell (Zefon) Cassette

Proj.ID#: 211338
Client: Cushman & Wakefield, Inc.
Location: One North End Avenue

Field ID#: Lab ID#:	Date Collected	Date Analyzed	Flow Rate	Sample Time	Volume	Sample Description	Constituents	Total Ct	Concentration Cf/m ³
211338-01 E20423	9/14/01 9:15 PM	9/15/01	15	10	0.026563	15th Floor: South Side Adjacent to Office 1521	Fungal Spores Skin Fragment Carbon Particles Cellulose Cement Dust Cotton Gravel Road Dust	30 263 81 36 18 6 21	1,129 9,901 3,049 1,355 678 226 791
211338-02 E20424	9/14/01 9:53 PM	9/15/01	15	10	0.026563	10th Floor: Set-Back Southeast Corner Outside Air	Fungal Spores Pollen Skin Fragment Carbon Particles Cellulose Cement Dust Gravel Road Dust Starch Fiberglass	489 3 12 267 21 49 86 11 38	18,409 113 452 10,052 791 1,845 3,238 414 1,431

Analyst: _____

Tarek Fata

ND = None Detected, NA = Not analyzed. All results disclosed in this report relate only to the items tested. Identification is largely based on the visible characteristics as they appear under light microscopy. Presumptive culturing is required for confirmation. No reproduction of all or any portion of this report shall occur without written approval of Ambient Group, Inc. Unless otherwise directed by the client. Ambient Group will retain the samples listed in this report for five (5) days, after which time they may be disposed of in accordance with applicable regulations.

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Location: One North End Avenue

Field ID#: Lab ID#:	Date Collected	Date Analyzed	Flow Rate	Sample Time	Volume	Sample Description	Constituents	Total Ct	Concentration Ct/m3
211338-03 E20425	9/14/01 10:25 PM	9/15/01	15	10	0.026563	10th Floor: West Side Across From Conference Room B	Fungal Spores Skin Fragment Carbon Particles Cellulose Cement Dust Cotton Gravel Road Dust Starch	391 261 201 48 163 16 463 9	14,720 9,826 7,567 1,807 6,136 602 17,431 339
211338-04 E20426	9/14/01 10:48 PM	9/15/01	15	10	0.026563	13th Floor: Southeast Corner Of Building	Fungal Spores Skin Fragment Carbon Particles Cellulose Gravel Road Dust	11 61 8 26 6	414 2,296 301 979 226

Analyst:

Tarek Fata

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211338-05 E20427	9/14/01 11:05 PM	9/15/01	15	10	0.026563	7th Floor: Trading Room North Side	Fungal Spores Skin Fragment Cellulose Cotton Gravel Road Dust	13 106 26 4 11	489 3,991 979 151 414
211338-06 E20428	9/14/01 11:25 PM	9/15/01	15	10	0.026563	3rd Floor: Trading Room East Side	Fungal Spores Skin Fragment Cellulose Gravel Road Dust	16 91 18 10	602 3,426 678 376

Analyst: _____

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211338-07 E20429	9/14/01 11:39 AM	9/15/01	15	10	0.026563	Ground Level, South Lobby	Fungal Spores Skin Fragment Carbon Particles Cement Dust Gravel Road Dust Starch Fiberglass	36 51 126 81 69 3 26	1,355 1,920 4,744 3,049 2,598 113 979
211338-08 E20430	9/14/01 2:35 AM	9/15/01	15	10	0.026563	11th Floor, Suite 1119 Northwest Corner Trading Room	Fungal Spores Skin Fragment Carbon Particles Cellulose Cement Dust Gravel Road Dust Starch	62 88 85 46 21 45 4	2,334 3,313 3,200 1,732 791 1,694 151

Analyst:

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Analyst: _____

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Ambient Group, Inc.
Particulate Analysis
On Air-O-Cell (Zefon) Cassette

PROJECT ID: 211338
CLIENT: CUSHMAN & WAKEFIELD FOR NEW YORK MERCANTILE EXCHANGE
LOCATION: 1 NORTH END AVENUE

FIELD ID LAB ID	DATE COLLECTED	DATE ANALYZED	FLOW RATE	SAMPLE TIME	VOLUME	SAMPLE DESCRIPTION	CONSTITUENTS	TOTAL CT	CONCENTRATION Cf/m ³
211388 Sample 1 E20583	9/26/01	9/28/01	15	10	0.026563	MAIN LOBBY	FUNGAL SPORES SKIN FRAGMENTS CARBON PARTICLES CELLULOSE CEMENT DUST	11 36 28 10 21	414 1,355 1,054 376 791
211388 Sample 2 E20584	9/26/01	9/28/01	15	10	0.026563	OUTSIDE SOUTH WEST CORNER	FUNGAL SPORES SKIN FRAGMENTS CARBON PARTICLES CELLULOSE CEMENT DUST COTTON GRAVEL ROAD DUST STARCH SYNTHETIC FIBERS	568 81 136 41 36 3 49 8 4	21,384 3,049 5,120 1,544 1,355 113 1,845 301 151

Analyst:

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Particulate Analysis
On Air-O-Cell (Zefon) Cassette

PROJECT ID: 211338

CLIENT: CUSHMAN & WAKEFIELD FOR NEW YORK MERCHANTILE EXCHANGE
LOCATION: 1 NORTH END AVENUE

FIELD ID	DATE COLLECTED	DATE ANALYZED	FLOW RATE	SAMPLE TIME	VOLUME	SAMPLE DESCRIPTION	CONSTITUENTS	TOTAL CT	CONCENTRATION C/m ³
211388 Sample 3	9/26/01	9/28/01	15	10	0.026563	15TH FLOOR: EAST SIDE			
E20585							FUNGAL SPORES	40	1,506
							SKIN FRAGMENTS	530	19,953
							CARBON PARTICLES	147	5,534
							CELLULOSE	36	1,365
							CEMENT DUST	28	1,054
							GRAVEL ROAD DUST	40	1,506
							STARCH	2	75
211388 Sample 4	9/26/01	9/28/01	15	10	0.026563	14TH FLOOR: EAST SIDE			
E20586							FUNGAL SPORES	18	678
							SKIN FRAGMENTS	381	14,344
							CARBON PARTICLES	106	3,991
							CELLULOSE	31	1,167
							CEMENT DUST	27	1,016
							COTTON	12	452
							GRAVEL ROAD DUST	39	1,468
							STARCH	2	75

Analyst:

Tarek Faia

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Particulate Analysis
On Air-O-Cell (Zefon) Cassette

PROJECT ID: 211338
CLIENT: CUSHMAN & WAKEFIELD FOR NEW YORK MERCHANTILE EXCHANGE
LOCATION: 1 NORTH END AVENUE

FIELD ID LAB ID	DATE COLLECTED	DATE ANALYZED	FLOW RATE	SAMPLE TIME	VOLUME	SAMPLE DESCRIPTION	CONSTITUENTS	TOTAL CT	CONCENTRATION Ct/m ³
211388 Sample 5 E20587	9/26/01	9/28/01	15	10	0.026563	12TH FLOOR: WEST SIDE MIDDLE ROW	FUNGAL SPORES SKIN FRAGMENTS CARBON PARTICLES CELLULOSE GRAVEL ROAD DUST	8 261 31 12 18	301 9,826 1,167 452 678
211388 Sample 6 E20588	9/26/01	9/28/01	15	10	0.026563	7TH FLOOR: TRADING FLOOR BY EXIT	FUNGAL SPORES SKIN FRAGMENTS CARBON PARTICLES CELLULOSE GRAVEL ROAD DUST SYNTHETIC FIBERS	10 211 71 18 31 2	376 7,944 2,673 678 1,167 75

Analyst:

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PROJECT ID: 211338

CLIENT: CUSHMAN & WAKEFIELD FOR NEW YORK MERCHANTILE EXCHANGE

LOCATION: 1 NORTH END AVENUE

FIELD ID LAB ID	DATE COLLECTED	DATE ANALYZED	FLOW RATE	SAMPLE TIME	VOLUME	SAMPLE DESCRIPTION	CONSTITUENTS	TOTAL CT	CONCENTRATION Cfm3
211338 Sample 7 E20568	9/26/01	9/28/01	15	10	0.026563	3RD FLOOR: NORTHWEST CORNER	FUNGAL SPORES SKIN FRAGMENTS CARBON PARTICLES CELLULOSE GRAVEL ROAD DUST	8 181 40 13 46	301 6,814 1,506 489 1,732

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(3)

Ambient Group, Inc.
10 Morris Avenue,
Glen Cove 11542
(516) 609-0009

ELAP 10865

**AIRBORNE ASBESTOS STRUCTURES RESULTS
(TRANSMISSION ELECTRON MICROSCOPY - TEM)**

**CLIENT: CUSHMAN & WAKEFIELD FOR
NEW YORK MERCHANTILE
LOCATION: 1 NORTH END AVENUE
PROJECT ID: 211338
DATE COLLECTED: 9/26/01**

SAMPLE NUMBER	LAB SAMPLE ID	SAMPLE LOCATION	ASBESTOS STRUCTURES cm ³
211338-01	AEM990 09560	4:50 PM MAIN LOBBY LT ANYL SENS	<0.0043
211338-02	AEM990 09561	5:20 PM 15 TH FLOOR: E. SIDE BETWEEN R. 1550-1555 LT ANYL SENS	<0.0047
211338-03	AEM990 09562	5:40 PM 14 TH FLOOR: W. SIDE OUTSIDE W. THURLOW'S CUBE LT ANYL SENS	<0.0049
211338-04	AEM990 09563	5:50 PM 12 TH FLOOR: E. SIDE MIDDLE OF CORRIDOR LT ANYL SENS	<0.0044
211338-05	AEM990 09564	6:05 PM TRADING FLOOR: NW CORNER STATION LT ANYL SENS	<0.0046
211338-06	AEM990 09565	6:15 PM 3 RD FLOOR: TRADING ROOM W. SIDE MIDDLE LT ANYL SENS	<0.0045
211338-07	AEM990 09566	6:55 PM OUTSIDE W. SIDE PLAZA, NEAR WATER TAXI EXIT LT ANYL SENS	<0.0047

LT ANAL SENS=LESS THAN ANALYTICAL SENSITIVITY
ANALYTICAL SENSITIVITY=0.0043 - 0.0049