

**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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November 16, 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**

Dear Mr. Zuckerman:

The following is a summary of the indoor environmental quality survey that Ambient Group, Inc. performed on November 8, 2001 at the above referenced location. The sampling for airborne metals, polynuclear aromatic hydrocarbons and airborne asbestos structures by TEM are summarized below.

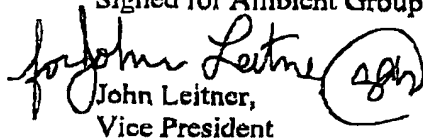
Four (4) air samples were collected from various locations on floors 1, 3, 7 and 13 and analyzed by transmission electron microscopy (TEM) for asbestos structures. The results of the analysis indicated that airborne asbestos levels inside and outside the building at the time of testing were less than the analytical sensitivity of the instrument, which is well below the EPA standard of 70 structures/mm² as well as other recommended industry guidelines and/or regulations.

Four (4) air samples were collected from floors 1, 3, 7 and 13 and analyzed for metals in air. All measured metals were within their respective OSHA Permissible Exposure Limits.

Four (4) air samples were collected from floors 13, 7, 3 and 1 and analyzed for polynuclear aromatic hydrocarbons in air. Analysis of all four (4) samples collected revealed that the levels of the individual compounds were below the OSHA Permissible Exposure Limits and NIOSH REL guidelines.

Please refer to attached laboratory data sheets for further details. Should you have any questions regarding this information, please feel free to call me.

Sincerely,
Signed for Ambient Group, Inc. by:


John Leitner,
Vice President

GLEN COVE, NY
516 609-0009

MIAMI, FL
305 860-0111

CHICAGO, IL
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11/16/01 FRI 17:58 [TX/RX NO 8525]

Ambient Group, Inc.
10 Morris Avenue,
Glen Cove 11542
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ELAP 10865

AIRBORNE ASBESTOS STRUCTURES RESULTS
(TRANSMISSION ELECTRON MICROSCOPY - TEM)

CLIENT: CUSHMAN & WAKEFIELD, INC.**LOCATION:** 1 NORTH END AVENUE**PROJECT ID:** 211338**DATE COLLECTED:** 11/8/01

SAMPLE NUMBER	LAB SAMPLE ID	SAMPLE LOCATION	ASBESTOS STRUCTURES cm³
5003-01 Field 5003	AEM990 10941	12:00 PM 13 th Floor/Adjacent to Men's Room LT ANYL SENS	0.0049
5003-02 Field 5003	AEM990 10942	12:10 PM 7 th floor/Adj. to stair "C" LT ANYL SENS	0.0049
5003-03 Field 5003	AEM990 10943	12:20 PM 3 rd floor/Adj. to stair "D" LT ANYL SENS	0.0049
5003-04 Field 5003	AEM990 10944	12:32 PM 1 st Floor/Adj. to Mailroom LT ANYL SENS	0.0048

LT ANYL SENS=LESS THAN ANALYTICAL SENSITIVITY

AMBIENT GROUP, INC.
 10 MORRIS AVENUE
 GLEN COVE, NY 11542
 ELAP # 10865

METALS IN AIR LABORATORY DATA REPORT

PROJECT ID: 211338
 CLIENT: MERCANTILE EXCHANGE
 PROJECT ADDRESS: 1 NORTH END AVENUE
 DESCRIPTION: 13TH FLOOR; ADJACENT TO MEN'S ROOM

COLLECTED: 11/8/01
 DATE REC'D: 11/9/01
 ANALYZED: 11/12/01

LABORATORY ID	FIELD ID	ANALYTE	VOLUME (L)	ug/m ³
39702	5001-01	CADMIUM	1000	0.15
		CHROMIUM	1000	0.40
		COPPER	1000	1.15
		IRON	1000	10.15
		LEAD	1000	1.15
		MANGANESE	1000	0.35
		NICKEL	1000	0.25
		SILICA	1000	10.10
		ZINC	1000	1.20

Standard/Guideline:

OSHA PEL for Cadmium: 5ug/m3; OSHA PEL for Chromium: 1000ug/m3; OSHA PEL for Copper: 1000ug/m3; OSHA PEL for Iron: 10000ug/m3; OSHA PEL for Lead: 50ug/m3; OSHA PEL for Manganese: 1000ug/m3; OSHA PEL for Nickel: 1000ug/m3; OSHA PEL for Zinc: 5000ug/m3; OSHA PEL for Silica: 50ug/m3

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ELAP # 10865

METALS IN AIR LABORATORY DATA REPORT

PROJECT ID: 211338
CLIENT: MERCANTILE EXCHANGE
PROJECT ADDRESS: 1 NORTH END AVENUE
DESCRIPTION: 13TH FLOOR: ADJACENT TO MEN'S ROOM

COLLECTED: 11/8/01
DATE REC'D: 11/9/01
ANALYZED: 11/12/01

LABORATORY ID	FIELD ID	ANALYTE	VOLUME (L)	ug/m ³
38703	5001-02	CADMIUM	1000	0.15
		CHROMIUM	1000	0.35
		COPPER	1000	1.15
		IRON	1000	10.15
		LEAD	1000	1.15
		MANGANESE	1000	0.35
		NICKEL	1000	0.25
		SILICA	1000	12.50
		ZINC	1000	1.20

Standard/Guideline:

OSHA PEL for Cadmium: 5ug/m3; OSHA PEL for Chromium: 1000ug/m3; OSHA PEL for Copper: 1000ug/m3; OSHA PEL for Iron: 10000ug/m3; OSHA PEL for Lead: 50ug/m3; OSHA PEL for Manganese: 1000ug/m3; OSHA PEL for Nickel: 1000ug/m3; OSHA PEL for Zinc: 5000ug/m3; OSHA PEL for Silica: 50ug/m3

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METALS IN AIR LABORATORY DATA REPORT

PROJECT ID: 211338
CLIENT: MERCANTILE EXCHANGE
PROJECT ADDRESS: 1 NORTH END AVENUE
DESCRIPTION: 3RD FLOOR: ADJACENT TO STAIR 'D'

COLLECTED: 11/8/01
DATE REC'D: 11/9/01
ANALYZED: 11/12/01

LABORATORY ID	FIELD ID	ANALYTE	VOLUME (L)	ug/m ³
39704	5001-03	CADMIUM	1000	0.15
		CHROMIUM	1000	0.30
		COPPER	1000	1.15
		IRON	1000	10.15
		LEAD	1000	1.15
		MANGANESE	1000	0.35
		NICKEL	1000	0.25
		SILICA	1000	10.90
		ZINC	1000	1.20

Standard/Guideline:

OSHA PEL for *Cadmium*: 5ug/m3; OSHA PEL for *Chromium*: 1000ug/m3; OSHA PEL for *Copper*: 1000ug/m3; OSHA PEL for *Iron*: 10000ug/m3; OSHA PEL for *Lead*: 50ug/m3; OSHA PEL for *Manganese*: 1000ug/m3; OSHA PEL for *Nickel*: 1000ug/m3; OSHA PEL for *Zinc*: 5000ug/m3; OSHA PEL for *Silica*: 50ug/m3

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METALS IN AIR LABORATORY DATA REPORT

PROJECT ID: 211338
CLIENT: MERCANTILE EXCHANGE
PROJECT ADDRESS: 1 NORTH END AVENUE
DESCRIPTION: 7TH FLOOR; ADJACENT TO STAIR 'C'

COLLECTED: 11/8/01
DATE REC'D: 11/9/01
ANALYZED: 11/12/01

LABORATORY ID	FIELD ID	ANALYTE	VOLUME (L)	ug/m ³
39705	5001-04	CADMIUM	1012	0.15
		CHROMIUM	1012	0.40
		COPPER	1012	1.24
		IRON	1012	10.03
		LEAD	1012	1.14
		MANGANESE	1012	0.35
		NICKEL	1012	0.25
		SILICA	1012	13.93
		ZINC	1012	1.19

Standard/Guideline:

OSHA PEL for Cadmium: 5ug/m3; OSHA PEL for Chromium: 1000ug/m3; OSHA PEL for Copper: 1000ug/m3; OSHA PEL for Iron: 10000ug/m3; OSHA PEL for Lead: 50ug/m3; OSHA PEL for Manganese: 1000ug/m3; OSHA PEL for Nickel: 1000ug/m3; OSHA PEL for Zinc: 5000ug/m3; OSHA PEL for Silica: 50ug/m3

Ambient Group, Inc.
55 West 39th Street, 12th floor
New York, New York 10018

Client: Cushman & Wakefield
a/a/f Mercantile Exchange
One North End Avenue
New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 11/08/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
5002-01	13 th Floor/Adjacent to Men's Room	Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<10 <10 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <10 <10 <2.0 <10 <2 <2	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

REL - Recommended Exposure Limit

PEL - Permissible Exposure Limit (8-hour time weighted average)

NA - Not Applicable

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Project Address: One North End Avenue
Survey Date: 11/08/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
5002-02	7 th Floor/Adj. to Stair C	Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenz (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<1.0 <1.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <1.0 <1.0 <2.0 <1.0 <2.0	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

REL - Recommended Exposure Limit
 PEL - Permissible Exposure Limit (8-hour time weighted average)
 NA - Not Applicable

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Project #: 211338
Project Address: One North End Avenue
Survey Date: 11/08/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
5002-03	3 rd Floor/Adj. to Stair D	Acenaphthene Acenaphthylene Anthracene Benz (a) anthracene Benzo (a) pyrene Benzo (b) fluoranthene Benzo (ghi) perylene Benzo (k) fluoranthene Chrysene Dibenzo (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<10 <10 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <10 <10 <2.0 <10 <2.0	NIOSH REL 100 $\mu\text{g}/\text{m}^3$ OSHA PEL 200 $\mu\text{g}/\text{m}^3$

REL - Recommended Exposure Limit
 PEL - Permissible Exposure Limit (8-hour time weighted average)
 NA - Not Applicable

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POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration (µg/m ³)	Standards/Guidelines
5002-04	1 st Floor Mail Room	Acenaphthene	<10	NIOSH REL 100 µg/m ³ OSHA PEL 200 µg/m ³
		Acenaphthylene	<10	
		Anthracene	<2.0	
		Benzo (a) anthracene	<2.0	
		Benzo (a) pyrene	<2.0	
		Benzo (b) fluoranthene	<2.0	
		Benzo (ghi) perylene	<2.0	
		Benzo (k) fluoranthene	<2.0	
		Chrysene	<2.0	
		Dibenz (a,h) anthracene	<2.0	
		Fluoranthene	<10	
		Flourene	<10	
		Indeno (1,2,3-cd) pyrene	<2.0	
		Naphthalene	<10	
		Phenanthrene	<2.0	
		Pyrene	<2.0	

REL - Recommended Exposure Limit
 PEL - Permissible Exposure Limit (8-hour time weighted average)
 NA - Not Applicable