

**ambient group inc.**

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

NATIONAL HEADQUARTERS

55 WEST 39TH STREET
12TH FLOOR
NEW YORK, NEW YORK 10018
TEL: (212) 464-7812
FAX: (212) 464-9307
WEB: WWW.AMBIENTGROUP.COM

November 9, 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 6, 2001 at the above referenced location. The survey included sampling for airborne metals, polynuclear aromatic hydrocarbons and airborne asbestos structures by TEM.

Four (4) air samples were collected from various locations on floors 3, 7, 12 and from outside the building 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 3, 7, 12 and outside the building 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.

Four (4) air samples were collected from floors 3, 7, 12 and outside the building and analyzed for metals in air. All measured metals were within their respective OSHA Permissible Exposure Limits.

GLLEN COVE, NY
516 609-0009

MIAMI, FL
305 560-0101

CHICAGO, IL
312 517-5526

ORANGE, CA
714 281-2525

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Mr. Zuckerman
November 9, 2001
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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 P. Springston, CIH, CSP
Director of Field Operations

JPS/nt

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, INC.
 LOCATION: 1 NORTH END AVENUE
 PROJECT ID: 211338
 DATE COLLECTED: 11/6/01

SAMPLE NUMBER	LAB SAMPLE ID	SAMPLE LOCATION	ASBESTOS STRUCTURES cm ³
2854-01 Field 2854	AEM990 10855	12:42 PM 12 th floor/West, Suite 1201, Reception area LT ANYL SENS	<0.0046
2854-02 Field 2854	AEM990 10856	13:06 PM 7 th floor/Adj. to stair "C" LT ANYL SENS	<0.0046
2854-03 Field 2854	AEM990 10857	13:19 PM 3 rd floor/Adj. to stair "D" LT ANYL SENS	<0.0046
2854-04 Field 2854	AEM990 10858	Outside air/Adj. to east Entrance LT ANYL SENS	<0.0047

LT ANYL SENS=LESS THAN ANALYTICAL SENSITIVITY

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New York, New York 101282

Project #: 211338
Project Address: One North End Avenue
Survey Date: 11/06/01

POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-01	12 th floor/West Suite 1201, Reception area	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	<9.6 <9.6 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <9.6 <9.6 <1.9 <9.6 <1.9 <1.9	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 ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-02	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	<9.6 <9.6 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <9.6 <9.6 <1.9 <9.6 <1.9	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 ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-03	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 Dibenz (a,h) anthracene Fluoranthene Flourene Indeno (1,2,3-cd) pyrene Naphthalene Phenanthrene Pyrene	<<9.6 <9.6 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <9.6 <9.6 <1.9 <9.6 <1.9 <1.9	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
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POLYNUCLEAR AROMATIC HYDROCARBON

Sample #	Location	Analyte	Concentration ($\mu\text{g}/\text{m}^3$)	Standards/Guidelines
211338-04	Outside air, adj. to east entrance (which is closed)	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 Napthalene Phenanthrene Pyrene	<9.7 <9.7 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <1.9 <9.7 <9.7 <1.9 <9.7 <1.9	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

55 West 39th Street, New York, NY 10018
Phone (212) 944-4615
Fax (212) 944-4618

Ambient Group, Inc.

Fax

To: Elliot Zuckerman From: LIZ
Fax: 301-4665 Pages: 8
Phone: ~~301-4665~~ 299-2245 Date: 11/09/01
Re: CC:

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

• **Comments:**

The metal data sheets will be sent as soon as we get a written record, but the verbal results show all levels under limits

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