**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) 463-7812  
FAX: (212) 463-9397  
WEB: WWW.AMBIENTGROUP.COM

January 22, 2002

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 January 17, 2002 at One North End Avenue. The survey included sampling for airborne metals (including silica scan), polynuclear aromatic hydrocarbons and airborne asbestos structures by TEM.

Four (4) air samples were collected from floors 3, 7, 11 and 14 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, which is well below the EPA standard of 70 structures/mm<sup>2</sup> as well as other recommended industry guidelines and/or regulations.

Four (4) air samples were collected from floors 3, 7, 11 and 14 and analyzed for metals in air (including silica). All measured metals revealed levels well below their respective OSHA PELs and NIOSH RELs. Levels of cristobalite and quartz detected in the silica scan were also below the NIOSH REL of 0.05 mg/m<sup>3</sup>.

Four (4) air samples were collected from floors 3, 7, 11 and 14 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 the 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 J. Leimer  
Vice President

JL/mt  
Attachments

GLEN COVE, NY  
516 609-0009

MIAMI, FL  
305 860-0101

CHICAGO, IL  
312 527-5526

ORANGE, CA  
714 282-2525

211338

01/22/02 TUE 12:16 [TX/RX NO 9049]

**Ambient Group, Inc.**  
**55 West 39<sup>th</sup> Street, 12<sup>th</sup> 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: 1/17/02**

**POLYNUCLEAR AROMATIC HYDROCARBON**

| Sample #  | Location                               | Analyte                                                                                                                                                                                                                                                                                                     | Concentration<br>(µg/m <sup>3</sup> )                                                                                | Standards/Guidelines                                                    |
|-----------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| 211338-01 | 14 <sup>th</sup> floor, adj. to pantry | Acenaphthene<br>Acenaphthylene<br>Anthracene<br>Benz (a) anthracene<br>Benzo (a) pyrene<br>Benzo (b) fluoranthene<br>Benzo (ghi) perylene<br>Benzo (k) fluoranthene<br>Chrysene<br>Dibenz (a,h) anthracene<br>Fluoranthene<br>Flourene<br>Indeno (1,2,3-cd) pyrene<br>Naphthalene<br>Phenanthrene<br>Pyrene | <8.5<br><8.5<br><1.7<br><1.7<br><1.7<br><1.7<br><1.7<br><1.7<br><1.7<br><8.5<br><8.5<br><1.7<br><8.5<br><1.7<br><1.7 | NIOSH REL<br>100 µg/m <sup>3</sup><br>OSHA PEL<br>200 µg/m <sup>3</sup> |

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

**Ambient Group, Inc.**  
**55 West 39<sup>th</sup> Street, 12<sup>th</sup> floor**  
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**a/a/f Mercantile Exchange**  
**One North End Avenue**  
**New York, New York 101282**

**Project #: 211338**  
**Project Address: One North End Avenue**  
**Survey Date: 1/17/02**

**POLYNUCLEAR AROMATIC HYDROCARBON**

| Sample #  | Location                                               | Analyte                                                                                                                                                                                                                                                                                                     | Concentration<br>( $\mu\text{g}/\text{m}^3$ )                                                                        | Standards/Guidelines                                                                      |
|-----------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 211338-02 | 11 <sup>th</sup> floor, west side of<br>elevator lobby | Acenaphthene<br>Acenaphthylene<br>Anthracene<br>Benz (a) anthracene<br>Benzo (a) pyrene<br>Benzo (b) fluoranthene<br>Benzo (ghi) perylene<br>Benzo (k) fluoranthene<br>Chrysene<br>Dibenz (a,h) anthracene<br>Fluoranthene<br>Flourene<br>Indeno (1,2,3-cd) pyrene<br>Naphthalene<br>Phenanthrene<br>Pyrene | <8.6<br><8.6<br><1.7<br><1.7<br><1.7<br><1.7<br><1.7<br><1.7<br><1.7<br><8.6<br><8.6<br><1.7<br><8.6<br><1.7<br><1.7 | NIOSH REL<br>100 $\mu\text{g}/\text{m}^3$<br><br>OSHA PEL<br>200 $\mu\text{g}/\text{m}^3$ |

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

Ambient Group, Inc.  
55 West 39<sup>th</sup> Street, 12<sup>th</sup> 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: 1/17/02

POLYNUCLEAR AROMATIC HYDROCARBON

| Sample #  | Location                                | Analyte                  | Concentration<br>( $\mu\text{g}/\text{m}^3$ ) | Standards/Guidelines                                                                      |
|-----------|-----------------------------------------|--------------------------|-----------------------------------------------|-------------------------------------------------------------------------------------------|
| 211338-03 | 7 <sup>th</sup> floor/adj. to stair "C" | Acenaphthene             | <8.6                                          | NIOSH REL<br>100 $\mu\text{g}/\text{m}^3$<br><br>OSHA PEL<br>200 $\mu\text{g}/\text{m}^3$ |
|           |                                         | Acenaphthylene           | <8.6                                          |                                                                                           |
|           |                                         | Anthracene               | <1.7                                          |                                                                                           |
|           |                                         | Benzo (a) anthracene     | <1.7                                          |                                                                                           |
|           |                                         | Benzo (a) pyrene         | <1.7                                          |                                                                                           |
|           |                                         | Benzo (b) fluoranthene   | <1.7                                          |                                                                                           |
|           |                                         | Benzo (ghi) perylene     | <1.7                                          |                                                                                           |
|           |                                         | Benzo (k) fluoranthene   | <1.7                                          |                                                                                           |
|           |                                         | Chrysene                 | <1.7                                          |                                                                                           |
|           |                                         | Dibenz (a,h) anthracene  | <1.7                                          |                                                                                           |
|           |                                         | Fluoranthene             | <8.6                                          |                                                                                           |
|           |                                         | Flourene                 | <8.6                                          |                                                                                           |
|           |                                         | Indeno (1,2,3-cd) pyrene | <1.7                                          |                                                                                           |
|           |                                         | Napthalene               | <8.6                                          |                                                                                           |
|           |                                         | Phenanthrene             | <1.7                                          |                                                                                           |
|           |                                         | Pyrene                   | <1.7                                          |                                                                                           |

REL - Recommended Exposure Limit

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

NA - Not Applicable

**Ambient Group, Inc.**  
**55 West 39<sup>th</sup> Street, 12<sup>th</sup> floor**  
**New York, New York 10018**

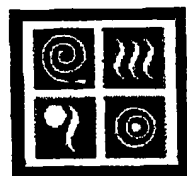
**Client: Cushman & Wakefield**  
**a/a/f Mercantile Exchange**  
**One North End Avenue**  
**New York, New York 101282**

**Project #: 211338**  
**Project Address: One North End Avenue**  
**Survey Date: 1/17/02**

**POLYNUCLEAR AROMATIC HYDROCARBON**

| Sample #  | Location                                | Analyte                                                                                                                                                                                                                                                                                                      | Concentration<br>( $\mu\text{g}/\text{m}^3$ )                                                                        | Standards/Guidelines                                                                  |
|-----------|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 211338-04 | 3 <sup>rd</sup> floor/adj. to stair "D" | Acenaphthene<br>Acenaphthylene<br>Anthracene<br>Benz (a) anthracene<br>Benzo (a) pyrene<br>Benzo (b) fluoranthene<br>Benzo (ghi) perylene<br>Benzo (k) fluoranthene<br>Chrysene<br>Dibenzo (a,h) anthracene<br>Fluoranthene<br>Flourene<br>Indeno (1,2,3-cd) pyrene<br>Naphthalene<br>Phenanthrene<br>Pyrene | <8.9<br><8.9<br><1.8<br><1.8<br><1.8<br><1.8<br><1.8<br><1.8<br><1.8<br><8.9<br><8.9<br><1.8<br><8.9<br><1.8<br><1.8 | NIOSH REL<br>100 $\mu\text{g}/\text{m}^3$<br>OSHA PEL<br>200 $\mu\text{g}/\text{m}^3$ |

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



# AMBIENT GROUP, INC.

10 Morris Avenue, Glen Cove, NY 11542  
Phone: (516) 609-0009-Fax: (516) 609-8271

Airborne Asbestos Fiber Analysis  
by Transmission Electron Microscopy

Laboratory Report  
AGL01339

Client: Cushman & Wakefield/a/iD Deutsche Bank  
Address: 14 Wall Street  
New York, NY 10005  
Collected By: Robert F.  
Collected: 01/17/2002 14:45  
Rotometer: Standard

Job Number: 211338  
Date Received: 01/18/2002  
Date Analyzed: 1/18/02  
Job Location: One North End Avenue

| Lab ID                  | Field ID | Sample Location              | Volume (liters) | Asbestos Type(s) | Asbestos Structures<br>≥ 5µm<br>2.5µm<br>< 5µm | Non-Asbestos | Analytical Sensitivity (AS/cc) | Asbestos Concentration (AS/cc) | Asbestos Concentration (AS/mm <sup>2</sup> ) |
|-------------------------|----------|------------------------------|-----------------|------------------|------------------------------------------------|--------------|--------------------------------|--------------------------------|----------------------------------------------|
| 0001339-005<br>3681-01  |          | 14th Fl: Adj. Pantry         | 1650            | None Detected    | 0                                              | 0            | 0.0046                         | <0.0046                        | <19.92                                       |
| 0001339-006<br>3681-02  |          | 11th Fl: West of Elev. Lobby | 1800            | None Detected    | 0                                              | 0            | 0.0043                         | <0.0043                        | <19.92                                       |
| 0001339-007<br>3681-03  |          | 7th Fl: Adj. Stair "C"       | 1622            | None Detected    | 0                                              | 0            | 0.0047                         | <0.0047                        | <19.92                                       |
| 0001339-008<br>3681-04  |          | 3rd Fl: Adj. Stair "D"       | 1560            | None Detected    | 0                                              | 0            | 0.0049                         | <0.0049                        | <19.92                                       |
| Average Filter Loading: |          |                              |                 |                  |                                                |              |                                | 0.000                          |                                              |

Page 1 of 1

SIGNED FOR AMBIENT GROUP, INC. BY:

Disclaimers: The laboratory is not responsible for fiber counts in fibers/cw which is dependent on volume collected by non-laboratory personnel. This report may not be duplicated in part without written permission by J3 Resources, Inc. This report must not be used to claim in product endorsement by NYLA or any agency of the U.S. Government. This report relates only to the samples listed above.

**Ambient Group, Inc.**  
**55 West 39th St., 12 Fl.**  
**New York, New York 10018**

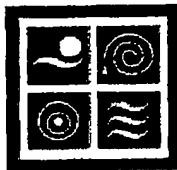
**Client: Cushman & Wakefield/Mercantile Exchange**  
**One North End Avenue**  
**New York, New York 10282**

**Project ID # 211338**  
**Project Address: One North End Avenue**  
**Survey Date: JANUARY 17, 2002**

# **RESULTS OF SILICA SCAN**

| Floor/Location                         | Concentrations Reported In mg/m <sup>3</sup> |        | Standard/Guidelines          |
|----------------------------------------|----------------------------------------------|--------|------------------------------|
|                                        | Cristobalite                                 | Quartz |                              |
| 14th floor/adj. to pantry              | <0.01                                        | <0.01  | NIOSH 0.05 mg/m <sup>3</sup> |
| 11th floor/West side of elevator lobby | <0.01                                        | <0.01  |                              |
| 7th floor/adj. to stair "C"            | <0.01                                        | <0.01  |                              |
| 3rd floor/adj. to stair "D"            | <0.011                                       | <0.011 |                              |

All levels reported are below their associated standards and guidelines.

**AMBIENT GROUP, INC.**

10 Morris Avenue, Glen Cove, NY 11542  
Phone: (516) 609-0009 Fax: (516) 609-8271

**Metals Profile**

Laboratory Report

**AGL01339**

Client: Cushman & Wakefield/a/f Deutsche Bank  
Address: 14 Wall Street  
New York, NY 10005

Collected By: Robert F.  
Collected: 01/17/2002 14:45

Job Number: 211338  
Date Received: 01/18/2002  
Date Analyzed: 01/18/2002  
Job Location: One North End Avenue

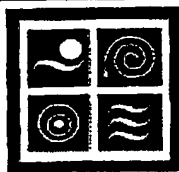
Lab ID: 0001339-001  
Field ID: 3684-01  
Location: 14th FL: Adj. Pantry

Matrix: AIR  
Air Volume: 590

| <u>Parameter</u> | <u>Result</u> | <u>Units</u> | <u>LOC</u> | <u>Flag</u> |
|------------------|---------------|--------------|------------|-------------|
| Cadmium          | <0.169        | µg/m3        | 1.0        |             |
| Chromium         | 0.932         | µg/m3        | 50.0       |             |
| Copper           | 4.66          | µg/m3        | 100        |             |
| Iron             | 3.73          | µg/m3        | N/A        |             |
| Lead             | <1.44         | µg/m3        | N/A        |             |
| Manganese        | <0.254        | µg/m3        | N/A        |             |
| Nickel           | <0.424        | µg/m3        | 150        |             |
| Silica           | 8.98          | µg/m3        | N/A        |             |
| Zinc             | <1.52         | µg/m3        | 1000       |             |

LOC=Limit of Contamination

Page 1 of 4

**AMBIENTGROUP, INC.**

10 Morris Avenue, Glen Cove, NY 11542  
Phone: (516) 609-0009 Fax: (516) 609-8271

**Metals Profile**

Laboratory Report

**AGL01339**

Client: Cushman & Wakefield a/f Deutsche Bank  
Address: 14 Wall Street  
New York, NY 10005  
Collected By: Robert F.  
Collected: 01/17/2002 15:00

Job Number: 211338  
Date Received: 01/18/2002  
Date Analyzed: 01/18/2002  
Job Location: One North End Avenue

Lab ID: 0001339-002  
Field ID: 3684-02  
Location: 11th Fl: Westside of Elev. Lobby

Matrix: AIR  
Air Volume: 580

| <u>Parameter</u> | <u>Result</u> | <u>Units</u> | <u>LOC</u> | <u>Flag</u> |
|------------------|---------------|--------------|------------|-------------|
| Cadmium          | <0.172        | µg/m3        | 1.0        |             |
| Chromium         | 0.948         | µg/m3        | 50.0       |             |
| Copper           | 2.24          | µg/m3        | 100        |             |
| Iron             | 3.97          | µg/m3        | N/A        |             |
| Lead             | <1.47         | µg/m3        | N/A        |             |
| Manganese        | <0.259        | µg/m3        | N/A        |             |
| Nickel           | <0.431        | µg/m3        | 150        |             |
| Silica           | 11.4          | µg/m3        | N/A        |             |
| Zinc             | <1.55         | µg/m3        | 1000       |             |

LOC=Limit of Contamination

Page 2 of 4

**AMBIENTGROUP, INC.**

10 Morris Avenue, Glen Cove, NY 11542  
Phone: (516) 609-8009 Fax: (516) 609-8271

**Metals Profile**

Laboratory Report

**AGL01339**

Client: Cushman & Wakefield a/f Deutsche Bank  
Address: 14 Wall Street  
New York, NY 10005  
Collected By: Robert F.  
Collected: 01/17/2002 15:15

Job Number: 211338  
Date Received: 01/18/2002  
Date Analyzed: 01/18/2002  
Job Location: One North End Avenue

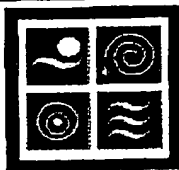
Lab ID: 0001339-003  
Field ID: 3684-03  
Location: 7th Fl. Adj. Stair "C"

Matrix: AIR  
Air Volume: 580

| <u>Parameter</u> | <u>Result</u> | <u>Units</u> | <u>LOC</u> | <u>Flag</u> |
|------------------|---------------|--------------|------------|-------------|
| Cadmium          | <0.172        | µg/m3        | 1.0        |             |
| Chromium         | 0.776         | µg/m3        | 50.0       |             |
| Copper           | 1.38          | µg/m3        | 100        |             |
| Iron             | 2.84          | µg/m3        | N/A        |             |
| Lead             | <1.47         | µg/m3        | N/A        |             |
| Manganese        | <0.259        | µg/m3        | N/A        |             |
| Nickel           | <0.431        | µg/m3        | 150        |             |
| Silica           | 7.67          | µg/m3        | N/A        |             |
| Zinc             | <1.55         | µg/m3        | 1000       |             |

LOC=Limit of Contamination

Page 3 of 4

**AMBIENTGROUP, INC.**

10 Morris Avenue, Glen Cove, NY 11542  
Phone: (516) 609-0009 Fax: (516) 609-8271

**Metals Profile**

Laboratory Report  
**AGL01339**

Client: Cushman & Wakefield a/f Deutsche Bank  
Address: 14 Wall Street  
New York, NY 10005

Collected By: Robert F.  
Collected: 01/17/2002 15:25

Lab ID: 0001339-004  
Field ID: 3684-04  
Location: 3rd Fl. Adj. Stair "D"

Job Number: 211338  
Date Received: 01/18/2002  
Date Analyzed: 01/18/2002  
Job Location: One North End Avenue

Matrix: AIR  
Air Volume: 560

| <u>Parameter</u> | <u>Result</u> | <u>Units</u> | <u>LOC</u> | <u>Flag</u> |
|------------------|---------------|--------------|------------|-------------|
| Cadmium          | <0.179        | µg/m3        | 1.0        |             |
| Chromium         | 0.982         | µg/m3        | 50.0       |             |
| Copper           | 1.96          | µg/m3        | 100        |             |
| Iron             | 4.38          | µg/m3        | N/A        |             |
| Lead             | <1.52         | µg/m3        | N/A        |             |
| Manganese        | <0.268        | µg/m3        | N/A        |             |
| Nickel           | <0.446        | µg/m3        | 150        |             |
| Silica           | 13.3          | µg/m3        | N/A        |             |
| Zinc             | <1.61         | µg/m3        | 1000       |             |

SIGNED FOR AMBIENT GROUP, INC. BY:

LOC = Limit of Contamination

Page 4 of 4