

**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 5, 2001

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

Re: Mercantile Exchange
Ambient Project #211502

Dear Mr. Zuckerman:

Below please find a summary of environmental monitoring for Polycyclic Aromatic Hydrocarbons (PAHs) that was performed on 10th floor setback of your facility on October 16th - 20th, 2001.

We sampled for polycyclic aromatic hydrocarbons, large organic compounds such as Benzo-a-pyrene, which are common byproducts of combustion. All levels were below applicable reference health standards.

All data may be found in the table attached.

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

Sincerely,

Signed for Ambient Group, Inc by:

William A. Esposito, CIH

DRAFT

WAEJ/sfm

Attachments

CLARK COVE, NY
516 609-0009

MIAMI, FL
305 860-0101

CHICAGO, IL
312 527-5526

ORANGE, CA
714 282-2525

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11/06/01 TUE 10:36 [TX/RX NO 8398]

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AMBIENT GROUP INC

FAX NO. 212 768 1540

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Mercantile Exchange - October 16-20, 2001
Total Air Volume - 11349.72 m3 Sampling Duration - 5 days

PAH Analysis

CHEMICAL	EXPOSURE LIMITS	CONCENTRATION ng	CONCENTRATION mg	AIR CONCENTRATION mg/m3
Naphthalene	50 mg/m3 - OSHA	437	0.000437	0.0000000385
Biphenyl	1.3 mg/m3 - ACGIH	101	0.000101	0.0000000089
Acenaphthylene	None established	89.9	0.000899	0.0000000079
Acenaphthene	None established	34.9	0.000349	0.0000000031
Fluorene	None established	94.7	0.000947	0.0000000083
Phenanthrene	0.2 mg/m3 - OSHA	1130	0.00113	0.0000000096
Anthracene	0.2 mg/m3 - OSHA	182	0.00182	0.0000000160
Fluoranthene	None established	1490	0.00149	0.0000001313
Pyrene	0.2 mg/m3 - OSHA	1620	0.00162	0.0000001427
Benz[a]anthracene	None established	834	0.000834	0.0000000735
Chrysene	0.2 mg/m3 - OSHA	1940	0.00194	0.0000001709
Benz[b]k]fluoranthenes	ALAP	5040	0.00504	0.0000004441
Benz[e]pyrene	None established	2100	0.0021	0.0000001850
Benzof[a]pyrene	0.002 mg/m3 - MAK	1010	0.00101	0.0000000890
Perylene	None established	207	0.000207	0.0000000182
Dibenz[ah]anthracene	None established	290	0.00029	0.0000000256
Indeno[1,2,3-cd]pyrene	None established	1640	0.00164	0.0000001445
Benz[ghi]perylene	None established	3120	0.00312	0.0000002749
C1 Naphthalene	50 mg/m3 - OSHA	492	0.000492	0.0000000433
2-Methylnaphthalene	None established	342	0.000342	0.0000000301
1-Methylnaphthalene	None established	150	0.00015	0.0000000132
C2 Naphthalene	50 mg/m3 - OSHA	490	0.00049	0.0000000432
2,6-Dimethylnaphthalene	None established	170	0.00017	0.0000000150
C3 Naphthalene	50 mg/m3 - OSHA	596	0.000596	0.0000000525
2,3,5-Trimethylnaphthalene	None established	78.1	0.000781	0.000000069
C1 Phenanthrenes/Anthracenes	None established	1400	0.0014	0.0000001234
1-Methylphenanthrene	None established	289	0.000289	0.0000000255
C2 Phenanthrenes/Anthracenes	None established	1870	0.00187	0.0000001648

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