NYC 9/11 Public Portal Document

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EMSL

Attn: Howard Bader
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Project: 105 Duane St, NY, NY

Customer ID: HAB50
Customer PO:
Received: 12/17/01 5:60 PM

EMSL Order: 030109864
EMSL Project ID:
Analysis Date: 12/17/2001

Asbestos Analysis of Bulk Materials by PLM via the NY State ELAP 198.1 Method

mple	Location	Appearance	Treatment	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
109864-0001	5 Kitchen Exhaust Grille	Brown Fibrous Heterogeneous	Teased Dissolved	20.00% Synthetic 10.00% Glass 35.00% Cellulose	35.00% Non-fibrous (other)	None Detected
109864-0002	34 Bathroom Exhaust Grille	Brown Fibrous Heterogeneous	Teased Dissolved	10.00% Synthetic 15.00% Glass 45.00% Cellulose	30.00% Non-fibrous (other)	None Detected
109864-0003	31 Living Room Table	Gray/White Fibrous Heterogeneous	Teased Dissolved	20.00% Synthetic 65.00% Cellulose	15.00% Non-fibrous (other)	None Detected
109864-0004	31 Composite Liv. Rm bookshelf &	Brown Fibrous Heterogeneous	Teased Dissolved	35.00% Synthetic 50.00% Cellulose	15.00% Non-fibrous (other)	None Detected

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Laboratory Manager
or other approved signatory

...has been known to miss asbestos in a small percentage of samples which contain asbestos. Negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. The above test report may not be used by the client to claim product endorsement by NVLAP or any agency of the United States Government.
Analysis performed by EMSL Manhattan (NVLAP #101048-3, NY ELAP 11506
Point Count-1

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Tribeca Tower, located at 105 Duane Street, was built without ACM. Our HVAC system was on when the World Trade Center towers collapsed, and continued to run through the day until building 7 collapsed on the Con Ed sub-station and we lost power.

Attached:

1) Sample from supply air diffuser in the 10th floor hallway taken by Edward Olmsted, CIH, CSP in December of 2001 showing a high level of asbestos contamination.
2) Samples taken from exhaust ducts in December of 2001 by Howard Bader, P.E. showing high levels of fiberglass.
3) Letter from Monona Rossol, M.S., M.F.A noting flaws in TechClean's proposal and the company's lack of appropriate certification and expertise. [redacted]
4) Communication from Howard Bader, P.E., who was hired by tenants to monitor TechClean, noting serious flaws in the protocol and performance of their duct cleaning activities.
5) Memo from Jack Acree, tenant at 105 Duane, detailing an incident in which TechClean workers violated existing protocol.
6) Air Quality survey for apartment #8A, performed by Edward Olmsted, CIH, CSP in January 2002.
7) Air Quality survey for apartment #5A, including a sample taken from the 5th floor hallway supply air grill, performed by Edward Olmsted, CIH, CSP in July 2002.
8) Air Quality survey for apartment #19E, performed by Edward Olmsted, CIH, CSP in September 2002.

Note: The sample taken from the individual HVAC unit in apt. #8A in January, 2002 contained chrysotile and tremolite asbestos; the sample taken from the 5th floor hallway supply air grill in July 2002 contained chrysotile and actinolite asbestos. Tremolite and actinolite are not normally found in background asbestos in our area. Their presence indicates that the dust came from vermiculite/chrysotile fireproofing, such as was used in the World Trade Center, since tremolite and actinolite are found as minor contaminants in some vermiculites. See EPA FACT SHEET: Asbestos Sampling in Libby, MT, which states: *"Unfortunately, the vermiculite from the Libby mine was contaminated with a particularly toxic form of naturally-occurring asbestos called tremolite-actinolite."* See also Millette and Hays, Settled Asbestos Dust: Sampling and Analysis.

9) Report from David Gordon, C.I.H. documenting positive air flow from exhaust ducts.