



H.A. BADER
CONSULTANTS, INC.

**ENVIRONMENTAL
CONSULTING ENGINEERS**
88 Bleecker Street, Suite 4E
New York, NY 10012
Tel: 212-475-4122
Fax: 212-477-8941

HOWARD A. BADER, P.E.
President

October 22, 2001

Bernadette Orange
D.C. 37 Health Center
115 Chambers Street
New York, New York 10007

Re: Environmental Testing

Dear Ms. Orange,

H. A. Bader Consultants, Inc. performed asbestos testing in representative areas throughout 115 Chambers Street on October 19, 2001. The sampling was performed by Howard Bader, P.E. and Richard Massari of H. A. Bader Consultants.

H. A. Bader Consultants is licensed by the New York State Department of Labor (DOL) as an Asbestos Consultant. Mr. Bader and Massari are New York City Department of Environmental Protection (DEP) Certified Asbestos Investigators. In addition, Mr. Bader and Massari are Certified by the DOL and United States Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) Program as Asbestos Air Sampling Technicians, Inspectors, Management Planners and Project Monitors.

Several buildings at and adjacent to the World Trade Center Complex in lower Manhattan were destroyed or severely damaged on or around September 11, 2001. It is common knowledge that some of these buildings contained asbestos containing materials (ACM). It is suspected that debris from the damaged buildings became airborne and potentially contaminated areas in lower Manhattan with asbestos fibers.

H. A. Bader Consultants scope of work was to determine if there is a potential asbestos related health concern in the building. The primary pathway for asbestos and lead to enter the building is through the ventilation systems, the main building entrances and operable windows. There are two air handling units (AHU) that have outdoor air capability. H. A. Bader Consultants performed asbestos testing at the outdoor air intake of each AHU.

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If asbestos fibers enter a building they may remain airborne or settle onto fixed surfaces (primarily horizontal surfaces). Asbestos air and surface dust samples were taken on each floor of the building, including the second floor interior sill where visible dust was observed by occupants after the disaster. Dust samples were also taken from filters in two portable air cleaners used since the space was re-occupied.

Asbestos Air Sampling

Six air samples were taken and analyzed by an accredited asbestos laboratory using transmission electron microscopy (TEM). TEM analysis is very accurate for finding even trace amounts of asbestos fibers present in the air.

The United States Environmental Protection Agency (EPA) has established a protocol for determining whether school areas are safe for re-occupancy after completion of asbestos abatement projects. This procedure is covered by EPA 40 CFR Part 763, Asbestos-Containing Materials in Schools. The procedures state that the average asbestos airborne fiber level in the abated work area must be less than 70 asbestos structures per square millimeter (AS/mm²).

The laboratory results from the testing on October 19, found no asbestos structures present in 5 of the samples. One sample had one asbestos structure (fiber) present and the total level was well below the allowable 70 AS/mm². Reference the attached laboratory results from EMSL Analytical. Very low levels of asbestos exist in the New York City urban environment. One sample with a single asbestos structure present in a total sampling of 6 is considered statistically insignificant.

Asbestos Surface Sampling

Asbestos settled dust sampling was performed in 16 locations inside the building, and at both air handling unit outdoor air intakes. The samples were analyzed by the accredited asbestos laboratory using polarized light microscopy (PLM). All 18 samples had no asbestos detected.

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Based on the results of the air and surface dust testing, H. A. Bader Consultants did not find any evidence to suggest a potential asbestos related health concern is present at the property. If you have any questions, please call.

Sincerely,

A handwritten signature in black ink, appearing to read 'H. A. Bader'.

Howard A. Bader, P.E.
President

cc Ralph Pepe (with invoice)