



CONSULTING & TESTING SERVICES, INC.

ASBESTOS AIR QUALITY MONITORING

AT

100 GOLD STREET
VARIOUS FLOORS
NEW YORK, NY

September 2001
Project NY-398-01 (WTC)

Prepared for:

NEWMARK & COMPANY REAL ESTATE, INC.
100 Gold Street
New York, NY 10038
Attn.: Mr. Richard Brooke

CITY_21MC100_008870770

Executive Summary

At the request of Mr. Richard Brooke as agent for **NEWMARK & CO. REAL ESTATE, INC., Consulting & Testing Services, Inc. (CTSI)** performed environmental testing at 100 Gold Street facility. The purpose of the sampling was to evaluate the building's air quality and dust composition subsequent to the World Trade Center tragedy.

Testing was performed from September 17th, 2001 through September 21st, 2001.

- **Air samples** were collected as part of building air quality evaluation and during clean up processes from the following floors: 10th floor MER, basement, 1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th and 9th. All samples collected were transported to an independent certified laboratory, **EMSL Analytical**, for analysis. Samples were analyzed utilizing Phase Contrast Microscopy (PCM) Methodology (Fiber Analysis of Air Samples via NIOSH 7400, Revision 3, Issue 2, 8/15/94).

Based on the attached certificate of analysis, the final air quality samples collected on September 18th and 19th, indicate fiber counts are within the **Occupational Safety & Health Administration (OSHA)** Permissible Exposure Limit (PEL) of 0.1 f/cc (fibers per cubic centimeter). Total of seventeen (17) air quality samples were collected.

Air samples collected during clean up phases were within New York State and City clearance criteria of <0.01 f/cc. Total of sixty-six (66) samples were collected during clean up phases.

- **Dust / Wipe Samples** were collected from the following areas: 10th Floor exit to roof North side, Roof (north side & C. Tower), 9th floor, 7th floor, 3rd floor, 6th floor, 4th floor, 3rd floor, 1st floor, Corridor and Lobby. Samples were collected from debris on the roof and dust/debris from the other locations. A total of fifteen (15) dust samples were collected.

All samples collected were transported to an independent certified laboratory, **EMSL Analytical**, for analysis. Samples were analyzed utilizing Polarized Light Microscopy (PLM) Methodology qualitative method.

All samples analyzed were tested no detected for the presence of asbestos. CTSI had performed dust sampling at other adjacent properties and had received mixed results. Samples from adjacent buildings reporting non detected under PLM method and re analyzed by TEM (Transmission Microscopy Method) indicated presence of asbestos fibers.



NYC DEP inspectors during their visit of the building had recommended the clean up process. All surfaces, especially within the air-handling units, were wet wiped and HEPA vacuumed by a licensed asbestos contractor. All air filters within the said fan units were removed and disposed of as asbestos waste.

Please refer to the laboratory certificate of analysis for all samples collected.

In addition to the above, **CTSI** performed **Indoor Air Quality** testing from various areas of the building. The testing was performed for Particulate, Carbon Monoxide & Dioxide, Temperature & Relative Humidity. Temperature levels were slightly elevated. All other levels are within the OSHA standards. Please refer to the enclosed table in section VII.

The licensed asbestos contractor utilized for the project was **Degmor, Inc.** They have sent their documentation directly to your office.

CTSI recommends that the air filters on all fan units be inspected on a daily basis and if necessary, replaced during the outside clean up process. Furthermore, **CTSI** highly recommends the use of HEPA filtered vacuums for building cleaning.

Thank you for giving **CTSI** the opportunity to assist you on this project.

