



EMTEQUE

September 18, 2001

Mr. Phillip J. Fallon, Jr.
Vice President and Director of Environmental Affairs
Reckson Associates Realty Corporation
225 Broadhollow Road
Melville, New York 11747-0983

Re: 100 Wall Street
Indoor Air Quality Sampling and Remedial Measures
Following the World Trade Center Disaster

Dear Mr. Fallon;

As a result of the collapse of the World Trade Center on September 11, 2001, EMTEQUE Corporation recommended that dust and air samples be collected and analyzed for the presence of asbestos and lead in the following areas: elevator pits, lobby, the 12th floor mechanical room and a typical tenant occupied floor. In addition, all air intakes and mechanical room air handlers were examined for the presence of dust.

Wipe samples collected from inside the air handlers and from filters were analyzed for the presence of asbestos via Polarized Light Microscopy (PLM) and air samples also for asbestos via Phase Contrast Microscopy (PCM), NIOSH Method 7400. Lead wipe and air samples were analyzed for lead via Atomic Absorption. Wipe samples have been collected in accordance with guidelines established by the United States Department of Housing and Urban Development (HUD). Air samples were analyzed via NIOSH Method 7082 for the presence of lead. Samples were collected on September 14, 2001 and sent to EMSL Laboratories, Inc., a New York City AIHA accredited laboratory.

Analytical Results

Wipe samples indicated that no asbestos was present in the dust or in samples collected from the HVAC filter system. Air samples revealed acceptable airborne fiber concentrations of less than 0.010 fibers per cubic centimeter (f/cc) the "clean air" standard established by the City of New York and the State of New York as acceptable concentrations following asbestos abatement. Lead wipe samples collected in the lobby area and in the tenant areas revealed lead levels which were less than the detection level 10 micrograms/square foot ($\mu\text{g}/\text{ft}^2$) in most cases. Samples collected from the elevator pits and from the HVAC systems revealed concentrations which ranged from 18 – 400 $\mu\text{g}/\text{ft}^2$. Although there are no "lead safe" guidelines for commercial properties, HUD has established acceptable standards on horizon surface (floors) following lead abatement of 40 $\mu\text{g}/\text{m}^3$. Air samples for lead were less 50 $\mu\text{g}/\text{m}^3$.

E N T E R E D

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