



H.A. BADER
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HOWARD A. BADER, P.E.
President

October 18, 2001

Mr. Edward Sullivan
Director of Operations
B.M.C.C.
199 Chambers Street
New York, New York 10007-1097

Re: Gymnasium Asbestos & Lead Testing

Dear Mr. Sullivan,

H. A. Bader Consultants, Inc. performed asbestos and lead testing in the Gymnasium and adjacent south corridor at 199 Chambers Street on October 17, 2001. Asbestos sampling was also performed on the 6th Floor and at the Portable Classrooms on West Street. 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. Mr. Bader has been trained and certified as a Lead Inspector and Risk Assessor by the New Jersey Department of Health. New York State does not have certifications in this area at this time.

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 had asbestos containing materials and possibly lead-based paint. A waste transfer operation is occurring directly across the street (West Street) from the school building. It is suspected that debris from the initial building damage and waste transfer operation is potentially contaminating areas in lower Manhattan with asbestos fibers and lead dust.

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Re: Asbestos & Lead Testing

Page 2 of 3

For several weeks after the disaster, the Gymnasium was used by members of the rescue and recovery operation. There is concern that these personnel may have carried asbestos and lead contamination on their clothing when they returned to the building. H. A. Bader Consultants scope of work was to determine if there is a potential asbestos and/or lead related health concern in the Gymnasium. The asbestos testing in the 6th Floor Classrooms and Portable Classrooms on West Street was to evaluate if the barge transfer operation across West Street is creating an asbestos related hazard.

If asbestos fibers enter a building they may remain airborne or settle onto fixed surfaces (primarily horizontal surfaces). Lead dust is heavy and settles very quickly. H. A. Bader Consultants testing methods concentrated on both airborne and surface testing for asbestos and only surface testing for lead.

Lead Testing

The U.S. Federal Department of Housing and Urban Development (HUD) and the City of New York Department of Environmental Protection (DEP) have established allowable levels of lead dust in residential settings occupied by children. The HUD/DEP clearance level is of 40 $\mu\text{g}/\text{ft}^2$.

Eleven lead dust samples from the Gymnasium and one from the south corridor outside the Gymnasium were taken. 10 samples were below the level of detection. The remaining 2 samples had lead levels well below the HUD/DEP clearance level. Reference the attached laboratory results from EMSL Analytical. This testing indicates that lead contamination is not present in the Gymnasium Area.

Asbestos Air Sampling

Five air samples were taken in the Gymnasium, one in the Corridor, two in 6th Floor Classrooms and Four in the Portable Classrooms. The samples were 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/ mm^2).

Re: Asbestos & Lead Testing

Page 3 of 3

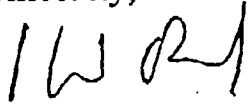
The laboratory results from the testing on October 17, found no asbestos structures present in any of the samples. Reference the attached laboratory results from EMSL Analytical.

Asbestos Surface Sampling

The accredited asbestos laboratory analyzed 24 surface dust samples using polarized light microscopy (PLM). 18 samples were taken in the Gymnasium (including 4 from the upper cat walks). One sample from the bleachers had trace asbestos content. The remaining 17 samples had no asbestos detected in them. All 6 samples from the Classrooms had no asbestos detected. Reference the attached laboratory results from EMSL Analytical for locations.

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 or lead related health concern is present in any of the tested areas. As a precaution, prior to re-opening the Gymnasium the bleacher area should be thoroughly wet cleaned and HEPA vacuumed. If you have any questions, please call.

Sincerely,



Howard A. Bader, P.E.
President