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February 28, 2002

Mr. Bernard P. Orlan
Director, Environmental Health and Safety
New York City Board of Education
28-11 Queens Plaza North
Long Island City, NY 11101

Re: Air Sampling for Lead
P.S./I.S. 89M
ATC Project No. 15-19125-0297

Dear Mr. Orlan:

ATC Associates, Inc. (ATC) is pleased to provide this report of the results of air samples for lead collected on February 22, 2002, at the referenced school. The New York City Board of Education (BOE) requested this sampling to determine ambient air lead concentrations inside and outside the school.

Scope of Work

ATC collected ten (10) samples for metals at specified locations. Samples were collected for twelve (12) hours using 37 mm mixed cellulose ester filters connected to electric sampling pumps at a flow rate of 10 liters per minute. Pumps were calibrated before and after each sampling period. Seven (7) samples were collected inside the building and three (3) were collected in the playground (north and south end) and the roof central area. Two (2) blanks sample were also submitted. The samples were analyzed by ATC's American Industrial Hygiene Association-accredited laboratory in New York City. Analysis was performed by NIOSH Method 7082. A copy of the laboratory report is attached.

The sampling locations were as follows:

- Cafeteria (Northeast quadrant);
- 1st Floor Hallway Outside Cafeteria;
- Playground North End;
- Playground South End;
- 2nd Floor Auditorium Room 217 rear Walkway;
- 3rd Floor Gym Room 315 -West quadrant near outlet;
- 5th Floor South End Hallway;
- 4th Floor South End Hallway;
- 2nd Floor South End Hallway;
- Roof – Central Area.

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CITY_21MC100_003423054

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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The established regulatory values for metals are intended for industrial workplace exposures and are not generally applicable to office/school settings. There are no standards for these metals in indoor air in non-industrial situations. The Environmental Protection Agency's ambient air standard for lead is 1.5 micrograms per cubic meter of air (1.5 ug/m^3), this is a three-month average. The sampling method used for these samples was an attempt to duplicate the EPA's method of sample collection as described on the EPA's September 11th website. The lead in air results reported there are from twelve-hour samples.

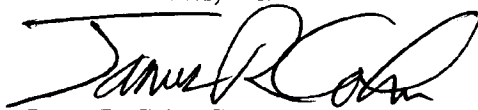
Daniel Finkley, Environmental Technician from ATC's New York City office, collected the samples.

Results

The levels of airborne lead *did not exceed* the limits of detection in any of the samples ($<0.2 \text{ ug/m}^3$).

ATC appreciates the opportunity to provide this indoor air quality service to the BOE. Please call me at (212) 353-8280 extension 212 if you have any questions.

Sincerely,
ATC Associates, Inc.



James R. Cohn, CIH, CSP
Regional Manager
Industrial Hygiene Division

Attachment

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