NYC 9/11 Public Portal Document

ATC ASSOCIATES INC.

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March 4, 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
Stuyvesant High School
ATC Project No. 15-19125-0246

Dear Mr. Orlan:

ATC Associates, Inc. (ATC) is pleased to provide this report of the results of air samples for lead collected on March 1, 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. All ten (10) samples were collected inside the building. 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:

- 1st Floor Lobby;
- 2nd Floor Hallway;
- 3rd Floor Hallway;
- 4th Floor Hallway by Elevator;
- 5th Floor Hallway by Classroom 521
- 6th Floor Hallway
- 7th Floor Hallway
- 8th Floor Hallway by Classroom 815
- 9th Floor Hallway by Classroom 921
- 10th Floor Hallway by the Elevator

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

NYC-WTC_000175757

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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.

Tim Amstislavskiy, 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 ug/m^3) except for one sample collected in the 9th floor hallway by Classroom 921. Airborne lead in this sample (Sample #09) was found to be 0.4 microgram per cubic meter (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

NYC-WTC_000175758