



104 East 25th St  
New York, New York 10010  
www.atc-enviro.com  
212.353.8280  
Fax 212.353.8306

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:

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

CONFIDENTIAL,

CITY\_21MC100\_003432840

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

Mr. Bernard P. Orlan  
Air Sampling for Lead  
Stuyvesant High School

March 4, 2002

Page 2

ATC Project No. 15-19125-0246

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 ( $1.5 \text{ ug/m}^3$ ), 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 11<sup>th</sup> website. The lead in air results reported there are from twelve-hour samples.

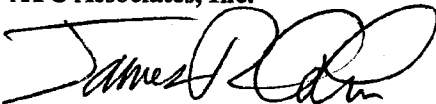
Tim Amstislavskiy, Environmental Technician from ATC's New York City office, collected the samples.

### Results

The levels of airborne lead *did not exceed* the limits of detection in any of the samples ( $<0.2 \text{ ug/m}^3$ ) except for one sample collected in the 9<sup>th</sup> floor hallway by Classroom 921. Airborne lead in this sample (Sample #09) was found to be 0.4 microgram per cubic meter ( $\text{ug/m}^3$ ).

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

CONFIDENTIAL,

CITY\_21MC100\_003432841

SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008