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Limited lead-in-dust wipe sampling report

P.S. 89M
201 WARREN STREET
NEW YORK, NY 10282

Prepared for:

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

Prepared by:

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SUBJECT TO PROTECTIVE ORDER NO. 2, SEPT. 2008

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Scope of Work

ATC Associates, Inc. (ATC) was retained by New York City Board of Education (NYC-BOE) to collect dust wipes to be analyzed for lead content. Dust wipe samples were collected from areas recommended by the Parents Association consultant representative Mr. Tom Fusilo of ENVIRON Corp. and approved by NYC- BOE and as specified in the revised sampling protocol for the school. These areas are the following:

- 1st floor hallway outside cafeteria – Two (2) samples
- Cafeteria – One (1) sample
- Gymnasium – One (1) sample
- Auditorium – One (1) sample
- Classroom with North side ventilators – One (1) sample
- Classroom with East side ventilators – One (1) sample
- Classroom with South side ventilators – One (1) sample
- 2nd floor hallway, South end – One (1) sample
- Throughout 2nd floor – Additional eight (8) samples targeting Pre-K and Kindergarten classrooms where present
- Throughout 3rd floor – Additional five (5) samples targeting Pre-K and Kindergarten classrooms where present
- 4th floor hallway, South end – One (1) sample
- Throughout 4th floor – Additional five (5) samples targeting Pre-K and Kindergarten classrooms where present
- Throughout 5th floor – Additional five (5) samples targeting Pre-K and Kindergarten classrooms where present
- Outside playground – Five (5) samples from playground surfaces
- Exterior building surfaces – Two (2) samples from the ground at exterior of North and South entrances to the school

The purposed of the dust wipe sampling is to determine if dust inside and outside the school contains lead. ATC will be repeating this sampling every Thursday as per the recommendation of ENVIRON Corp. and after the approval of NYC-BOE. This is the eleventh consecutive week that dust samples were collected from P.S. 89M to be analyzed for lead content.

ATC's representative Mr. Yiannis Efstathiou visited P.S. 89M located at 201 Warren Street, New York, NY on April 5th, 2002. Dust wipes to be analyzed for lead content were collected from the aforementioned areas indicated by ENVIRON and as specified by the New York City Board of Education Environmental Health & Safety Unit and in accordance with HUD protocols.

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LEAD-IN-DUST SAMPLING

Lead-in-dust threshold levels

The New York City Health Code, part 173.14 and the Federal Departments of Housing and Urban Development (HUD) and Environmental Protection Agency (EPA) have established acceptable lead-in-dust levels for re-occupancy after a lead abatement has occurred (commonly referred to as "final clearance" levels). As stated in the Code, final clearance after abatement has taken place is achieved when dust wipe samples indicate lead levels below those listed below:

For Windowsills:	250 $\mu g/ft^2$
For Floors:	40 $\mu g/ft^2$
For Exterior Concrete or Rough Surfaces:	800 $\mu g/ft^2$

Although the lead-in-dust samples collected at P.S. 89M were not collected in response to lead abatement, the same thresholds are used since no other regulations or standards are applicable to this project.

Sampling Methodology

ATC provided all laboratory analytical services in support of this limited inspection. ATC is certified by the New York State Department of Health's Environmental Laboratory Accreditation Program to perform lead and related analyses of environmental samples (Laboratory ID Number: 10879). The laboratory utilizes the United States Environmental Protection Agency analysis method number SW846-7420 and the National Institute of Occupational Safety and Health method number 7082M.

The lead-in-dust samples were obtained by gently wiping a pre-measured surface area with non-alcohol moistened towelettes. ATC's representative wore disposable gloves; a new glove was worn with each new sampling procedure, and care was taken to avoid contamination of the towelette and collection vial. Towelettes were then placed into 50ml plastic vials and immediately sealed. The chain of custody form was completed and documents the measurement of the area sampled.

Results of Dust Wipe Sampling

Forty (40) dust wipe samples were collected from areas indicated to ATC. Laboratory analysis indicate that the dust wipe samples collected from room #401 floor surfaces contain lead in dust above the guidance level of 40 $\mu g/ft^2$. See laboratory report and chain of custody for more details.

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Recommendations:
Based on the lead wipe results, ATC recommends the following:

- Thoroughly clean room #401 floor surfaces
- Collect additional dust wipe samples from room #401 after the cleaning is completed.

Limits of the limited dust wipe sampling
Dust sampling was conducted at NYC-BOE request. The results of this report are applicable for the time the testing was performed. If questions arise concerning lead content in or on components and/or locations not tested by ATC, then additional testing services should be procured. ATC makes no representation or warranty concerning the standards and specifications provided in the HUD Guidelines and the NYC-BOE protocol.

It is our pleasure to provide these limited lead services to New York City Board of Education. If you have any questions regarding this limited lead-in-dust wipe sampling, please do not hesitate to call me at (212) 353-8280 extension #211.

Sincerely,
ATC Associates, Inc.
Yiannis Efstathiou
Senior Project Manager

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