NYC 9/11 Public Portal Document

Limited lead-in-dust wipe sampling report

IS 306X
40 WEST TREMONT AVENUE
BRONX, NY 10453

UNIT VENTILATORS

Prepared for:

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Environmental Health and Safety Unit
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Prepared by:

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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 wipe samples to be analyzed for lead content. Dust wipe samples were collected from representative unit ventilators within classrooms on north, south, east and west sides of the building. These locations are as follows:

- Room 561
- Room 530
- Room 418
- Room 411
- Room 322
- Room 360
- Room 202
- Room 237
- Room 115
- Room 111

The purpose of the sampling was to determine the lead content in the dust present within these unit ventilators. ATC's representative Mr. Chacko Mathew visited IS 306X, located at 40 West Tremont Avenue, Bronx, NY, on April 28, 2002.

Access holes were cut at the top of these units and/or panels were dismantled in order to reach the areas for sample collection. Samples were collected from behind the unit ventilators, adjacent to the intake grill installed within the building facade. The area from which the samples were collected are completely enclosed and are not accessible by building occupants.

LEAD-IN-DUST SAMPLING

Lead-in-dust threshold levels

The New York City Health Code, part 173.14, 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 lead abatement activity is achieved when dust wipe samples indicate lead levels below those listed below:

For Windowsills:	250 $\mu g/ft^2$
For Floors:	40 $\mu g/ft^2$

Although the lead-in-dust samples collected at IS 306X were not collected in response to lead abatement, these thresholds are referenced due to the fact that no other regulations or standards are applicable to this sampling.

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Sampling Methodology

ATC provided all laboratory analytical services in support of this 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 samples were obtained by gently wiping a measured surface area with non-alcohol moistened towelettes. ATC's representative wore disposable gloves; new gloves were worn with each new sample collected, and special care was taken to avoid contamination of the towelette and collection vial. Samples were then placed into 50ml plastic vials and immediately sealed. The chain of custody form was completed documenting the exact locations and measurements of the areas sampled.

Results of Dust Wipe Sampling

A total of ten (10) dust wipe samples were collected from the above referenced locations. Laboratory analysis indicated that seven (7) of the ten (10) samples collected from unit ventilator surfaces were above the guideline level of 250 $\mu g/ft^2$ for window sills. The remaining three (3) samples were above the guideline level 40 $\mu g/ft^2$ for floors but below 250 $\mu g/ft^2$. The laboratory report and chain of custody forms for the samples collected are included in the Appendix of this report.

Limitations of dust wipe sampling

Lead wipe sampling was conducted at NYC-BOE request. The results of this report are applicable for the time the testing was performed. ATC makes no representations or warranties concerning the standards and specifications provided in the EPA and/or HUD Guidelines related to lead wipe sampling and interpretation of these sample results.

It is our pleasure to provide these services to New York City Board of Education. Should you have any questions regarding these sample results, please do not hesitate to contact me at (212) 353-8280 extension #211.

Sincerely,
ATC Associates, Inc.

Yiannis Efstathiou
Senior Project Manager