

Lead-in-dust wipe sampling report

**H.S. OF ECONOMICS & FINANCE (M833)
100 TRINITY PLACE
NEW YORK, NY 10006**

Prepared for:

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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 wipes to be analyzed for lead content throughout the H.S. of Economics & Finance (M833), located at 100 Trinity Place, New York, NY. The purposed of the dust wipe sampling is to determine if dust in the school contains lead.

ATC's representative Ms. Mariana Medinets visited the H.S. of Economics & Finance (M833) on January 13th, 2002. Dust wipes to be analyzed for lead content were collected from areas throughout the school building and as specified by the New York City Board of Education Environmental Health & Safety Unit and in accordance with HUD protocols.

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 Window wells:	400 $\mu\text{g}/\text{ft}^2$
For Windowsills:	250 $\mu\text{g}/\text{ft}^2$
For Floors:	40 $\mu\text{g}/\text{ft}^2$

Although the lead-in-dust samples collected at H.S. of Economics & Finance (M833) 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.



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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

Dust wipe samples were collected from areas throughout the school building. Laboratory analysis indicated that three (3) samples collected from floor contain lead in dust above the guideline level of 40 $\mu\text{g}/\text{ft}^2$. The dust samples found to contain lead above the guideline levels were collected from the following locations:

- By the entrance of 8th floor cafeteria - Floor
- Room 606 - Floor
- Room 207 - Floor

Recommendations

Based on the lead dust wipes laboratory results, ATC recommends the following:

- Cleaning all visible floor dust in rooms 207, 606 and the cafeteria
- Collect additional dust wipe samples after the dust 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 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 lead-based paint 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 #261.

Sincerely,

ATC Associates, Inc.



Andreas C. Andreou

Senior Project Manager



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