

Limited lead-in-dust wipe sampling report

**STUYVESANT HS (M477)
345 CHAMBERS STREET
NEW YORK, NY 10007**

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:



**104 East 25th Street
New York, NY 10010
Tel: (212) 353-8280 Fax: (212) 353-8306**

June, 2002

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 specified in H.A. BADER Consultants, Inc. letter to Stuyvesant HS parents dated October 10, 2001. These areas are the following:

- 1st and 2nd floors entrance lobby
- Classrooms with unit ventilators on the North, East and South side of the building
- Two hallway areas
- 1st floor swimming pool area
- 3rd floor gymnasium area
- 5th floor cafeteria area
- Auditorium area

The purpose of the dust wipe sampling is to determine if dust in the school contains lead. ATC will be repeating this sampling every Wednesday as per the recommendation of H.A. BADER Consultants, Inc. and after the approval of NYC-BOE. This is the 36th consecutive time that dust samples were collected from Stuyvesant H.S. to be analyzed for lead content.

ATC's representative Mr. Herant Antonyan visited Stuyvesant H.S. (M477) located at 345 Chamber Street, New York, NY on June 19, 2002. Dust wipes to be analyzed for lead content were collected from the aforementioned areas indicated in H.A. BADER Consultants, Inc. letter to Stuyvesant HS parents 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 Windowsills:	250 µg/ft ²
For Floors:	40 µg/ft ²

Although the lead-in-dust samples collected at Stuyvesant HS (M477) were not collected in response to lead abatement, the same thresholds are used since no other regulations or standards are applicable to this project.



*Stuyvesant HS (M477)
June 20, 2002*

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

Seventeen (17) dust wipe samples were collected from areas indicated to ATC. Laboratory analysis is shown that all dust wipe samples collected from the indicated areas contain lead on floor and windowsill surfaces below the guideline level of 40 $\mu\text{g}/\text{ft}^2$ and 250 $\mu\text{g}/\text{ft}^2$ respectively. See laboratory report and chain of custody for more details.

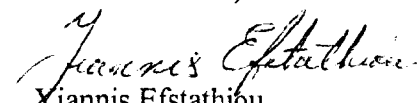
Limits of the limited dust wipe sampling

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



Stuyvesant HS (M477)
June 20, 2002

CITY_21MC100_002890263

Laboratory Report & Chain of Custody For Lead-in-dust wipes



*Stuyvesant HS (M477)
June 20, 2002*

CITY_21MC100_002890264

ATC ASSOCIATES, INC
104 E 25th Street, 10th Floor
New York, NY 10010
Tel. 212-353-8280
Fax 212-353-8306

REPORT DATE: 06-19-02
CLIENT: NYC BOE
PROJECT ADDRESS: Stuyvesant HS (M477) / 345 Chambers St.
New York, NY 10007
PROJECT NO: 19125-0246
SAMPLED BY: Y. Efstathiou
SAMPLE DATE: 06-19-02
DATE RECEIVED: 06-19-02
DATE ANALYZED: 06-19-02
SAMPLE MEDIA: Dust Wipe Sample
ANALYSIS REQUIRED: Method EPA 3050/7420

ANALYSIS RESULTS

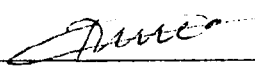
SAMPLE ID	BATCH NO.	SAMPLE DESCRIPTION	LEAD CONCENTRATION ($\mu\text{g}/\text{ft}^2$)	DETECTION LIMIT ($\mu\text{g}/\text{ft}^2$)
01	9856	5th Floor Cafeteria Floor	<9.0	9.0
02	9856	5th Floor Cafeteria Window Sill	<4.5	4.5
03	9856	3rd Floor Aux. GYM Floor	<9.0	9.0
04	9856	3rd Floor Aux. GYM Window Sill	<18.0	18.0
05	9856	1st Floor Pool Area Floor	<9.0	9.0
06	9856	1st Floor Pool Area Window Sill	<4.7	4.7
07	9856	Auditorium Floor	<9.0	9.0
08	9856	1st Floor Lobby Area Floor	<9.0	9.0
09	9856	2nd Floor Lobby Area Floor	<9.0	9.0
10	9856	8th Floor Hallway Middle Floor	<9.0	9.0
11	9856	9th Floor Hallway Middle Floor	<9.0	9.0
12	9856	Rm 938 N. Floor	<9.0	9.0
13	9856	Rm 938 N. Window Sill	<4.6	4.6

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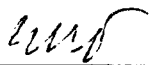
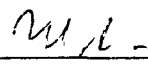
14	9856	Rm 801 E. Floor	<9.0	9.0
15	9856	Rm 801 E. Window Sill	<6.0	6.0
16	9856	Rm 739 S. Floor	<9.0	9.0
17	9856	Rm 739 Window Sill	<4.6	4.6
18	9856	Blank	<9.0 µg	9.0 µg
19	9856	Blank	<9.0 µg	9.0 µg

NOTE 1:**THE REPORTING LIMIT (RL) IS 18.0 µg****NOTE 2:**HUD Guidelines for final clearance dust wipe samples: Floor 40 µg/ft², Window sills 250 µg/ft², Window wells 400 µg/ft², Exterior surfaces 800 µg/ft².**NOTE 3:**

Blank units are in µg

CERTIFICATION AND SIGNATURES**ANALYSIS PERFORMED BY:** **REPORT PREPARED BY:** 

ATC certifies that this report is an accurate and authentic report of results obtained from the laboratory analysis.

QUALITY ASSURANCE COORDINATOR: **LABORATORY DIRECTOR:** 

ATC is accredited by the New York State Department of Health Environmental Laboratory Approval Program (ELAP) and by the American Industrial Hygiene Association (AIHA) to perform analysis of lead in paint, dust wipes, air and soil samples. (ELAP #10879), (AIHA #100229).

ATC ASSOCIATES INC.
DUST WIPE SAMPLING - CHAIN OF CUSTODY
104 EAST 25TH STREET, 10TH FLOOR
NEW YORK, NEW YORK 10010

PHONE: 212-353-8280 FAX: 212-353-8306

9856

PAGE 1 OF 4

TOTAL # OF SAMPLES 19

Client Name: New York City Board of EducationProject Number: 19125-0246Date: 6/19/02Project Address: Stuyvesant HS (M477)/345 Chambers str, NY, NY 10007Project Manager: Y. EfsthionTurnaround
Time: RushInvestigator: Herant AntonyanBuilding Type: SchoolAnalysis
Required: Lead in dust

Sample ID#	Room, Component, Location	Surface Condition	Dimension of sample area (in. x in.)	Detection Limit	Result (µg/ft ²)
M 477 - 6/19/02 1	5th floor Cafeteria Floor	Visible Dust Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0
2	5th floor Cafeteria Window Sill	Visible Dust Visible Debris ☒ No Visible Dust or Debris	48 x 6	4.5	<4.5
3	3rd floor Aux. Gym Floor	Visible Dust Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0
4	3rd floor Aux Gym Window Sill	Visible Dust Visible Debris ☒ No Visible Dust or Debris	36 x 2	18.0	<18.0
5	1st floor Pool area Floor	Visible Dust Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0

COMMENTS:

Please call the project manager with results @ 1(646) 772-1155

(ADDITIONAL COMMENTS
ON BACK)

RELINQUISHED BY (SIGNATURE BELOW):	DATE/TIME	RECEIVED BY (SIGNATURE BELOW):	DATE/TIME	LABORATORY:	
H. Antonyan	6/19/02	J. Quinn	6/19/02		
PRINT NAME:		PRINT NAME:		RELAP#	ELAP#
			14:00		

CITY_21MC100_002890267

ATC ASSOCIATES INC.
DUST WIPE SAMPLING - CHAIN OF CUSTODY
104 EAST 25TH STREET, 10TH FLOOR
NEW YORK, NEW YORK 10010

9856

PAGE 2 OF 4

TOTAL # OF SAMPLES 19

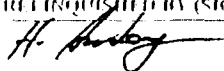
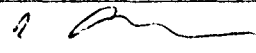
Client Name: New York City Board of EducationProject Number: 19125-0246Date: 6/19/02Project Address: Stuyvesant HS (M477)/345 Chambers str, NY, NY 10007Project Manager: Y. EfsthionTurnaround
Time: RushInvestigator: Herant AntonyanBuilding Type: SchoolAnalysis
Required: Lead in dust

Sample ID#	Room, Component, Location	Surface Condition	Dimension of sample area (in. x in.)	Detection Limit	Result (µg/ft²)
M477 - 6/19/02 6	1st floor Pool area Window Sill	Visible Dust Visible Debris ☒ No Visible Dust or Debris	46 x 6	4.7	<4.7
7	Auditorium Floor	Visible Dust Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0
8	1st floor Lobby area Floor	Visible Dust Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0
9	2nd floor Lobby area Floor	Visible Dust Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0
10	8th floor Hallway, middle Floor	Visible Dust Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0

COMMENTS:

Please call the project manager with results @ 1(646) 772-1155

(ADDITIONAL COMMENTS
ON BACK)

RELINQUISHED BY (SIGNATURE BELOW): 	DATE/TIME 6/19/02	RECEIVED BY (SIGNATURE BELOW): 	DATE/TIME 6/19/02	LABORATORY:	
PRINT NAME:		PRINT NAME:	14:00	RELAT#	RELAT#

CITY_21MC100_002890268

ATC ASSOCIATES INC.
DUST WIPE SAMPLING - CHAIN OF CUSTODY
 104 EAST 25TH STREET, 10TH FLOOR
 NEW YORK, NEW YORK 10010

PHONE: 212-353-8280 FAX: 212-353-8306

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PAGE 3 OF 4TOTAL # OF SAMPLES 19Client Name: New York City Board of EducationProject Number: 19125-0246Date: 6/19/02Project Address: Stuyvesant HS (M477)/345 Chambers str, NY, NY 10007Project Manager: Y. EfsthionTurnaround
Time: RushInvestigator: Herant AntonyanBuilding Type: SchoolAnalysis
Required: Lead in dust

Sample ID#	Room, Component, Location	Surface Condition	Dimension of sample area (in. x in.)	Detection Limit	Result (µg/ft²)
M477 - 6/19/02 11	3rd floor Hallway, middle Floor	☐ Visible Dust ☐ Visible Debris ☒ No Visible Dust or Debris	12x12	9.0	<9.0
12	Rm. 938 N. Floor	☐ Visible Dust ☐ Visible Debris ☒ No Visible Dust or Debris	12x12	9.0	<9.0
13	Rm. 938 N. Window Sill	☐ Visible Dust ☐ Visible Debris ☒ No Visible Dust or Debris	7x40	4.6	<4.6
14	Rm. 801 E. Floor	☐ Visible Dust ☐ Visible Debris ☒ No Visible Dust or Debris	12x12	9.0	<9.0
15	Rm. 801 E. Window Sill	☐ Visible Dust ☐ Visible Debris ☒ No Visible Dust or Debris	5x43	6.0	<6.0

COMMENTS:

Please call the project manager with results @ 1(646) 772-1155

(ADDITIONAL COMMENTS
ON BACK)

RELINQUISHED BY (SIGNATURE BELOW): <i>H. Antonyan</i>	DATE/TIME: 6/19/02	RECEIVED BY (SIGNATURE BELOW): <i>In An</i>	DATE/TIME: 6/19/02	LABORATORY:	
PRINT NAME:		PRINT NAME:	14:00	CELL#	FLAT#

CITY_21MC100_002890269

ATC ASSOCIATES INC.
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PAGE 4 OF 4TOTAL # OF SAMPLES: 19Client Name: New York City Board of EducationProject Number: 19125-0246Date: 6/19/02Project Address: Stuyvesant HS (M477)/345 Chambers str, NY, NY 10007Project Manager: Y. EfsthionTurnaround
Time: RushInvestigator: Herant AntonyanBuilding Type: SchoolAnalysis
Required: Lead in dust

Sample ID#	Room, Component, Location	Surface Condition	Dimension of sample area (in. x in.)	Detection Limit	Result (µg/ft²)
M477 - 6/19/02 16	Rm. 739 S. Floor	☐ Visible Dust ☐ Visible Debris ☒ No Visible Dust or Debris	12 x 12	9.0	<9.0
17	Rm. 739 S. Window Sill	☐ Visible Dust ☐ Visible Debris ☒ No Visible Dust or Debris	7 x 40	4.6	<4.6
18	Blank	☐ Visible Dust ☐ Visible Debris ☐ No Visible Dust or Debris		9.0 µg	<9.0 µg
19	Blank	☐ Visible Dust ☐ Visible Debris ☐ No Visible Dust or Debris		9.0 µg	<9.0 µg
		☐ Visible Dust ☐ Visible Debris ☐ No Visible Dust or Debris			

COMMENTS: Please call the project manager with results @ 1(646) 772-1155(ADDITIONAL COMMENTS
ON BACK)

REF INCHUSSED BY (SIGNATURE BELOW): <i>H. Antonyan</i>	DATE/TIME: <u>6/19/02</u>	RECEIVED BY (SIGNATURE BELOW): <i>[Signature]</i>	DATE/TIME: <u>6/19/02</u>	LABORATORY:	
PRINT NAME:		PRINT NAME:	<u>14:00</u>	NLLAP#	ELAP#

CITY_21MC100_002890270

Laboratory and Personnel Certifications



Stuyvesant HS (M477)
June 20, 2002

CITY_21MC100_002890271



United States Environmental Protection Agency

This is to certify that.

ATC Associates, Inc.

104 East 25th St., 10th Floor
New York, NY 10010-2917

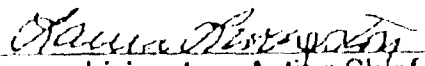
has fulfilled the requirements of the Toxic Substances Control Act (TSCA)
Section 402(a)(1), and has received certification as a firm, pursuant to 40 CFR
Part 745.226 to conduct lead-based paint activities:

Jurisdiction: State of New York excluding Indian Tribes

This certification is valid for three (3) years from the date of issuance
and expires July 25, 2003

Certification # NY-01-072003-042

Issued on: July 26, 2000


Laura Livingston, Acting Chief
Pesticides & Toxic Substances Branch

CITY_21MC100_002890272



United States Environmental Protection Agency

This is to certify that:

Herant A. Antonyan

has fulfilled the requirements of the Toxic Substance Control Act (TSCA)
Section 402(a)(1), and has received certification as an individual, pursuant to
40 CFR Part 745.226 to conduct lead-based paint activities:

Jurisdiction: State of New York excluding Indian Tribes

Discipline: Risk Assessor

This certification is valid for three (3) years from the date of issuance
and expires July 31, 2004

Certification # NY-06-072004-277

Issued on: August 1, 2001

A handwritten signature in cursive script, appearing to read "Kenneth S. Stoller", is written over a horizontal line.

Kenneth S. Stoller, P.E., QEP, DEE, Chief
Pesticides & Toxic Substances Branch

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