

DEP

Date: October 22, 2001

Visual Assessment, Bulk Sampling & Air Monitoring Report:

Gateway Plaza Project: 345 South End Avenue
Building #100

Prepared For:

Gateway Plaza Management Corporation
375 South End Avenue
New York, New York 10280

Prepared By:

ALC Environmental Incorporated
115 West 30th Street, 11th Floor
New York, New York 10001

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INCORPORATED**

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1.0 Introduction

October 19, 2001

Gateway Plaza Management Corporation
375 South End Avenue
New York, New York 10280

Subject: Gatewav Plaza Building #100

Gentlemen:

ALC Environmental Incorporated (ALC) has been contracted by to perform visual assessments, bulk sampling, and air sampling to identify any asbestos contaminant at the above referenced building. ALC performed sampling according to the EPA Guidelines for asbestos bulk sampling and air sampling. The inspections were conducted in this building on September 25, October 5, 13, & 14 2001.

ALC worked under the guidance provided by the EPA guidelines for asbestos-*"Asbestos in Buildings: Simplify Sampling Scheme for Friable Surfacing Materials."* and the direction of the Department of Environmental Protection (DEP) to perform the bulk sample collection and analysis. Additionally, ALC provided on site Third Party Air Monitoring and Project Management, which included performing area air sampling on each floor of the building, supervising the clean-up activities in specific apartments where minimal asbestos was found-even though further analysis at a second laboratory showed the results to be below the permissible limits-, performing quality assurance inspections and monitoring the work practices of the Asbestos Abatement Contractor. Air Sampling was conducted in accordance with Federal State and Local regulations including New York City Department of Environmental Protection (NYC-DEP) Title 15, Chapter 1, Asbestos Control Program Subchapter D, "Air and Bulk Sampling, Monitoring and Analysis: and New York State Department of Labor Industrial Code Rule 56 (NYS-DOL ICR56) Section 56-17 "Air Sampling, Monitoring and Analysis."

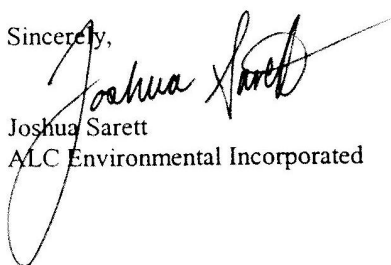
ALC is licensed to perform asbestos activities by the State of New York Department of Labor (License # 00-0358). ALC employs only certified asbestos personnel to perform required tasks. The following personnel were used to perform asbestos air monitoring and/or asbestos inspections.

Project Manager:	Americo Rodriguez Jr. (License #AH 89-07160)
Inspector:	Alvin R. Blake (License #AH 00-08397)
Sampling Technician:	Alvin B. Blake (License #AH 01-03528)

ATC Associates 104 East 25th Street New York, New York analyzed all samples. Further analysis was performed by SciLab 117 East 30th Street New York, New York.

If you have any questions or comments please do not hesitate to contact us directly at 212-279-1001.

Sincerely,


Joshua Sarett

ALC Environmental Incorporated

2.0 Executive Summary

ALC Environmental Incorporated (ALC) has been retained to perform bulk sampling, visual assessments & air monitoring according to the *EPA Protocol* to determine the presence of asbestos at the above referenced project. Every apartment in the building was assessed by our inspectors for dust and debris. Any area where visible dust and debris was found, ALC's inspectors took a sample, which was then sent to a third party independent laboratory for analysis. In most cases there was insufficient debris to sample and a visual assessment only was performed. All samples analyzed were found to be below the permissible limits for asbestos.

ALC then collected TEM samples on every floor in the building. The air sampling and analysis was done utilizing applicable Federal, State and City Regulations pertaining to asbestos to include Federal OSHA (29 CFR 1926.58) EPA NESHAPS (40 CFR PART 61), AND TSCA TITLE II AHERA/ASHARA (40 CFR PART 763) Asbestos Regulations; the New York State Department of Labor Industrial Code Rule 56 and the New York City Department of Environmental Protection Title 15 Asbestos Regulations.

The air samples were collected by Americo Rodriguez Jr., a licensed project monitor (AH# 89-07160). The visual assessment and bulk samples were collected by, A.R. Blake a NY State Asbestos Inspector (AH#00-08397) and Americo Rodriguez, a NY State Asbestos Inspector (AH#89-07160).

ATC Associates (ELAP #10879) analyzed the samples using the Transmission Electron Microscopy (TEM) Methodology. The results indicated that the living areas achieved the acceptance criteria below <70 structures per mm2 set by the above regulations.

3.0 Definitions

Air Sampling: Process of measuring the fiber content of a known volume of air collected during a specific period. The procedure utilized for asbestos follows the NIOSH Standard Analytical Method 7400, or the provisional transmission electron microscopy methods developed by the US EPA which are utilized for lower detection levels and specific fiber identification.

Asbestos: Any hydrated mineral silicate separable into commercially usable fibers, including but not limited to chrysotile (serpentine), amosite (cummingtonite-grunerite), crocidolite (riebeckite), tremolite, anthophyllite and actinolite.

Asbestos-Containing Material (ACM): Asbestos or any material containing more than one-percent asbestos.

Clearance Air Monitoring: Employment of aggressive sampling techniques with a volume of air collected to determine the airborne concentration of residual fibers and shall be performed as the final abatement activity.

ELAP: Environmental Laboratory Approval Program administered by the New York State Department of Health.

EPA or USEPA: United States Environmental Protection Agency.

Homogeneous Work Area: Portion of the Work Area that contains one type of ACM and/or where one type of abatement is used.

Phase Contrast Microscopy: "PCM" shall mean the measurement protocol for the assessment for the fiber content of air. For PCM analysis, the clearance air monitoring shall be considered satisfactory when every sample is less than or equal to 0.01 f/cc or the background concentrations, whichever is greater.

Polarized Light Microscopy: "PLM" shall mean the measurement protocol for the assessment for the asbestos content of bulk materials. For PLM analysis, the New York City and EPA Regulatory limit is 1.0%.

Transmission Electron Microscopy: "TEM" shall mean the measurement protocol for the assessment for the asbestos fiber content of air. For TEM analysis, the clearance air monitoring shall be considered satisfactory when the requirements stated in 40 CFR Part 763, Subpart E, Appendix A, Section IV are met. For the purposes of our testing the regulatory limit is 70 asbestos structures per mm².

4.0 Scope of Work

4.1 Bulk Sampling Procedures

ALC's licensed technicians worked under the guidance provided by the EPA guidelines for asbestos- "Asbestos in Buildings: Simplify Sampling Scheme for Friable Surfacing Materials." This sampling procedure uses random sampling to ensure that the samples are representative of the sampling area. ALC's inspectors:

1. Identified all friable surfacing materials and grouped them into homogenous sampling areas by floor
2. Prepared diagrams of each sampling area
3. Determine the number of samples to collect (9 samples per homogenous areas are recommended) Determine sampling locations
4. Collect samples
5. Fill out chain of custody
6. Send samples to a qualified laboratory

Due to the insufficient amount of dust and debris in the apartment units and public areas of the building, we were unable to collect the optimum number of samples suggested in the above referenced guidelines.

With the guidance of the above referenced document and NYCDEP we went to each floor and assessed each apartment on each floor for visible dust and debris. Upon completion of the initial assessment and bulk sample collection, ALC determined that there were no elevated asbestos levels present above the guidelines in any of the apartments where samples were taken.

If any dust and/or debris was found in the apartment we collected a bulk sample and sent it to the laboratory for analysis.

If no sample could be taken due to insufficient material present at the time we were in the apartment, the inspector documented this on the log.

4.2 Air Sampling Procedures

ALC's licensed technicians collected air samples using TEM Methodology. The technician collected five (5) air samples on each floor. The samples were taken in three (3) apartments and at two separate areas in the hallways on each floor. The technician identified the locations that appeared to contain the most visible dust and debris to perform sampling.

The air samples were collected using high volume air sampling pumps. Once the pumps were in place the air sampling technician recorded the location, time, date, sample numbers, pump number, flow rate, start and stop times and his initials.

The air cassette was independent of the pump motor. This is to prevent the vibrations of the motor from affecting the fibers in the cassette. A separate stand or tripod was used to hold the cassette in place. The cassette was angled 45 degrees downward from the horizontal stand. This is to insure that no asbestos will drop into the cassette while sampling.

Using a rotameter, we calibrated each pump to the required flow rate, noting this rate on the sample record. After calibrating the pumps, the end cap from the cassette was removed; the pump was turned on and run for the required amount of time.

The sampling pumps were checked periodically to ensure they were still operating, the cassettes were still in place, and no one has disturbed the equipment. If at any time the area being sampled was suspected of having high fiber counts, the filter inside the cassettes were examined for "overloading", or an excessive amount of fibers and/or debris on the filter.

When the pre-determined volume of air has been collected, the technician then calibrated the sampling pump again to determine the current flow rate. This rate will often be different from the flow rate measured at the beginning of the sampling period. That difference is usually due to the clogging of the filter, thereby adding increased resistance to the flow of air.

Once the pre-determined volume of air has been reached, the time was recorded as well as on the cassette. Before the pump was turned off, the cassette was angled upward and the cap replaced and the end plug. The cassettes were placed in sealed containers, labeled with an identifying code and a sample log was kept. The samples were then submitted to the laboratory to be analyzed for asbestos content. A chain of custody record was prepared and accompanied the samples to the laboratory.

4.3. Asbestos Analysis and Methodology

Each air sample is cross-referenced by field designation and lab internal code to ensure proper, consistent handling through a chain of custody. Sample preparation takes place within a HEPA Filter clean bench to avoid any possible contamination. Air sampling was conducted at a level approximating the breathing zone of persons anticipated to be present in the area during normal operations. Samples collected represent the typical airborne fiber concentration of the area.

5. Findings and Conclusions

Eight (8) initial background air samples were collected and analyzed via phase contrast microscopy (PCM) at building 100. Five (5) samples were analyzed via Transmission Electron Microscopy (TEM). After analysis via TEM, all were below the permissible limits.

Based on EPA Guidelines, we collected forty (40) bulk samples and analyzed them via Polarized Light Microscopy (PLM) Methodology. Zero (0) were found to be above the regulatory limits.

Twenty nine (29) air samples were collected and analyzed via TEM Methodology. The results indicated that the living areas achieved the acceptance criteria below <70 structures per mm2 set by the above regulations.

6. Limitations and Exclusions

All the professional opinions presented in this report are based solely on the scope of work conducted and sources referred to in our report. The data presented by ALC in this report was collected and analyzed using generally accepted industry methods and practices at the time the report was generated. This report represents the conditions, locations, and materials that were observed at the time the fieldwork was conducted. No inferences regarding other conditions, locations, or materials, at a later or earlier time may be made based on the contents of the report. No other warranty, express or limited is made. ALC's liability and that of its contractors and subcontractors, arising from any services rendered hereunder, shall not exceed the total fee paid by the client to ALC for this project. This report was prepared for the sole use of our client. The use of this report by anyone other than our client or ALC is strictly prohibited without the expressed written consent of ALC. Portions of this report may not be used independent of the entire report.

7. Report

7.1 Laboratory Results



7.12 Initial Bulk Sampling and Air Results



104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212.353.8280
Fax 212.353.8308

September 26, 2001

ALC Environmental
111 W. 30th Street
New York, NY 10001
Attn: Mr. [redacted]

Re: Report of TEM Analysis

Dear Mr. [redacted]:

Following are the results of transmission electron microscopy (TEM) analysis of eleven PCM air samples from our Group No. 5556:

Client: [redacted]
Project Name: 345 and 355 Southend Avenue
Location: Hallways and Apartments, Buildings 100 and 200
Samples received in TEM Lab: 09/26/01

These results will confirm and document the data transmitted to you today. The analyses were performed in strict conformance with the methodology of the NIOSH method 7402, Issue 2, August 15, 1994.

Forty grid openings from each of the samples were examined at relatively low magnifications (approximately 1,000X and 10,000X) for structures greater than 5um in length and widths between 0.25um and 3um, and having a length-to-width ratio greater than 3:1. These structures would be large enough to be observed by PCM analysis. Asbestos and non-asbestos structures were detected in the samples in the following proportions:

sample number	chrysotile	gypsum	cellulose	fiber glass	F/CC as Asbestos
3	0.0%	93.8%	0.0%	6.2%	0.0
4	22.2%	77.8%	0.0%	0.0%	0.005
5	0.0%	76.9%	0.0%	23.1%	0.0
6	0.0%	55.0%	0.0%	45.0%	0.0
8	0.0%	76.2%	9.5%	14.3%	0.0
13	0.0%	77.3%	9.1%	13.6%	0.0
14	0.0%	100.0%	0.0%	0.0%	0.0
17	0.0%	100.0%	0.0%	0.0%	0.0
18	3.6%	68.7%	0.0%	27.7%	0.001
19	0.0%	66.7%	0.0%	33.3%	0.0
20	0.0%	42.0%	0.0%	58.0%	0.0



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

As a consequence, no sample exceeds 0.01 F/CC as asbestos.

The analyses were supervised by Dr. Michael A. Gorycki, Director of Electron Microscopy. These analyses were performed by ATC d/b/a ATC Associates Inc. This report may be reproduced only in its entirety and not without prior permission of this laboratory.

We are pleased to note that our TEM lab has received full accreditation from NVLAP and also approval under the NY State DOH ELAP program, as is currently required for recognized analysis of TEM air samples for AHERA projects.

Please contact me regarding any questions relating to these materials.

Very truly yours,

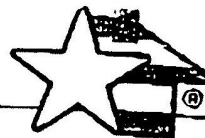
A handwritten signature in cursive script, appearing to read 'Michael A. Gorycki'.

Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

7.13 Bulk Sampling Results

ALC Environmental Inc.

3081



ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10 / 05 / 01

PROJECT NAME: Lefrak Organization

PROJECT ADDRESS: Building #100 - 345 South End Avenue

TURN AROUND TIME 2hr ☐ 8hr ☐ 12hr ☒ 24hr ☐ 72hr ☐ Other ☐

Homo Area	Sample #	Material	Sample Location/Description	Quantity	% Asbestos
1	# 7	Misc	P11 livinrm - window		
	8		P11 - livingrm - window		
	9		Bedrm - window		
	10		- livingrm - window		
	11		- Bedrm - window		
	12		- livingrm - window		
	13		- livingrm - window		
	14		Kitchen - floor		
	15		Bedroom - window		
	16		livingrm - window		
	17		Kitchen - window		
	18		P11 Bedrm - window		
	19		livingrm - window		
	20		livingrm - window		
	21		livingrm - window		
	22		livingrm - floor		
	23		livingrm - window		
	24		livingrm - floor		
	25		Bedrm - floor		
	26		livingrm - window		

Field Comments:

Relinquished by: A.R. Blake

Date: 10-5-01

Received by: [Signature]

Date: 10/6/01

Laboratory Name: ALC

ALC Environmental Inc.



ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10 5 01

PROJECT NAME: Lefrak Organization

PROJECT ADDRESS: Building 100 345 South End Avenue

TURN AROUND TIME 2hr ☐ 6hr ☐ 12hr ☐ ☒ 24hr ☐ 72hr ☐ Other ☐

Home Area	Sample #	Material	Sample Location/Description	Quantity	% Asbestos
1	# 27	MISC	Bedrm - window		
	28		Livingrm - window		
	29		Livingrm - floor		
	30		Livingrm - window		
	31		Livingrm - window		
	32		Livingrm - floor		
	33		Livingrm - window		
	34		Livingrm - window		
	35		Livingrm - floor		
	36		Livingrm - window		
	37		Livingrm - window		
	38		Livingrm - window		
	39		Livingrm - window		
	40		Bedrm - window		
	41		Livingrm - window		
	42				
	43				
	44				
	45				
	46				

P11

Field Comments:

Relinquished by: A. R. Blake Date: 10-5-01
 Received by: GMA Date: 10/6/01
 Laboratory Name: ATC

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ATC ASSOCIATES

2123984263

10/06/2001 15:40

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor - New York, NY 10010 Phone (212) 353-8280, FAX (212) 353-3599 or 8306

EVLAP 101197

ELAP 10878

Microscope OLYMP B112

Client / Project ALC / Lefrak Bldg #100
 Analysis Date 10/6/01 Analyst gr

Project No. _____
 Batch No. 3057

1	Field No. <u>7</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>W</u>	Extinction <u>11</u>	<u>TM</u> Chrysotile	<u>33</u> Cellulose	<u>21</u> Mineral Filler	Organic
	Recommended ☒	Homogeneity <u>4</u>	# of Layers <u>4</u>	RI I <u>1.15</u>	RI II <u>1.17</u>	Amosite	<u>42</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	Asbestos ☒ ☐	Color of Layer	DS Color <u>6/m</u>	Color/Plen <u>7</u>	Other	<u>TM</u> Other	Vermiculite	Carbonate
	Gravimetric (HOB) PLM ☐	Detected Yes ☒ No ☐	Blief	Sign <u>7</u>				Other	Other
	Gravimetric (HOB) TEM ☐	Comments:						Other	Asbestos
	Positive control required on this test ☐	Method: ☒ PLM + PLM ☐ PLM ☐ PLM ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SPM) For 8 prep. Asbestos = 0							

2	Field No. <u>8</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>W</u>	Extinction <u>11</u>	<u>TM</u> Chrysotile	<u>30</u> Cellulose	<u>30</u> Mineral Filler	Organic
	Recommended ☒	Homogeneity <u>4</u>	# of Layers <u>7</u>	RI I <u>1.15</u>	RI II <u>1.17</u>	Amosite	<u>38</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	Asbestos ☒ ☐	Color of Layer	DS Color <u>6/m</u>	Color/Plen <u>7</u>	Other	<u>2</u> Other	Vermiculite	Carbonate
	Gravimetric (HOB) PLM ☐	Detected Yes ☒ No ☐	Blief	Sign <u>7</u>			<u>synthetic</u>	Other	Other
	Gravimetric (HOB) TEM ☐	Comments:						Other	Asbestos
	Positive control required on this test ☐	Method: ☒ PLM + PLM ☐ PLM ☐ PLM ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SPM) For 8 prep. Asbestos = 0							

3	Field No. <u>9</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>W</u>	Extinction <u>11</u>	<u>0-45</u> Chrysotile	<u>34</u> Cellulose	<u>21</u> Mineral Filler	Organic
	Recommended ☒	Homogeneity <u>4</u>	# of Layers <u>7</u>	RI I <u>1.15</u>	RI II <u>1.17</u>	Amosite	<u>40</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	Asbestos ☒ ☐	Color of Layer	DS Color <u>6/m</u>	Color/Plen <u>7</u>	Other	<u>0.95</u> Other	Vermiculite	Carbonate
	Gravimetric (HOB) PLM ☐	Detected Yes ☒ No ☐	Blief	Sign <u>7</u>			<u>synthetic</u>	Other	Other
	Gravimetric (HOB) TEM ☐	Comments:						Other	Asbestos
	Positive control required on this test ☐	Method: ☒ PLM + PLM ☐ PLM ☐ PLM ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SPM) For 8 prep. Asbestos = 0							

4	Field No. <u>10</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
	Gravimetric (HOB) Required ☐	Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>W</u>	Extinction <u>11</u>	<u>0-75</u> Chrysotile	<u>35-45</u> Cellulose	<u>22</u> Mineral Filler	Organic
	Recommended ☒	Homogeneity <u>4</u>	# of Layers <u>7</u>	RI I <u>1.15</u>	RI II <u>1.17</u>	Amosite	<u>42</u> Fiberglass	Organic Binders	Residue
	Gravimetric PREP ☐	Asbestos ☒ ☐	Color of Layer	DS Color <u>6/m</u>	Color/Plen <u>7</u>	Other	Other	Vermiculite	Carbonate
	Gravimetric (HOB) PLM ☐	Detected Yes ☒ No ☐	Blief	Sign <u>7</u>				Other	Other
	Gravimetric (HOB) TEM ☐	Comments:						Other	Asbestos
	Positive control required on this test ☐	Method: ☒ PLM + PLM ☐ PLM ☐ PLM ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SPM) For 8 prep. Asbestos = 0							

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET
104 East 25th Street, New York, NY 10010 Phone (212) 353-8280, FAX (212) 353-3599 or 8306

NYC 9/11
ELAP 10819
Microscopic OI PP R11.2

Client / Project ALC / Lefrak Bldg #100

Analysis Date 10/6/01 Analyst yo Project No 3051 Batch No 3051

Field No <u>1</u>	Gravimetric (HOB) Required ☒	Stereoscopic Exam Color <u>tan</u> ☒ Texture <u>flts</u> ☒ Homogeneity <u>4</u> ☒ # of Layers <u>4</u> ☒ Color of Layer <u>tan</u> ☒ Detected Yes ☒ No ☐ Comments:	PLM Optical Properties Morphology <u>11</u> Extinction <u>11</u> RI II <u>1.17</u> DS Color <u>tan</u> Color Pico <u>tan</u> Sign <u>tan</u> Biref <u>tan</u>	Asbestos Results PLM % Chrysotile <u>0.75</u> Amphibole <u>1.17</u> Other <u>1.17</u>	Other Fibrous % Cellulose <u>34.5</u> Fiberglass <u>4.0</u> Other <u>4.0</u>	Non Fibrous % Mineral Filler <u>25</u> Organic Binders <u>4.0</u> Vermiculite <u>4.0</u> Other <u>4.0</u>	Gravimetric (HOB) Results % Organic <u>4.0</u> Residue <u>4.0</u> Carbonate <u>4.0</u> Other <u>4.0</u> Asbestos <u>4.0</u>
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Field No <u>2</u>	Gravimetric (HOB) Required ☒	Stereoscopic Exam Color <u>tan</u> ☒ Texture <u>flts</u> ☒ Homogeneity <u>4</u> ☒ # of Layers <u>4</u> ☒ Color of Layer <u>tan</u> ☒ Detected Yes ☒ No ☐ Comments:	PLM Optical Properties Morphology <u>11</u> Extinction <u>11</u> RI II <u>1.17</u> DS Color <u>tan</u> Color Pico <u>tan</u> Sign <u>tan</u> Biref <u>tan</u>	Asbestos Results PLM % Chrysotile <u>0.75</u> Amphibole <u>1.17</u> Other <u>1.17</u>	Other Fibrous % Cellulose <u>34.5</u> Fiberglass <u>4.0</u> Other <u>4.0</u>	Non Fibrous % Mineral Filler <u>25</u> Organic Binders <u>4.0</u> Vermiculite <u>4.0</u> Other <u>4.0</u>	Gravimetric (HOB) Results % Organic <u>4.0</u> Residue <u>4.0</u> Carbonate <u>4.0</u> Other <u>4.0</u> Asbestos <u>4.0</u>
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Field No <u>3</u>	Gravimetric (HOB) Required ☒	Stereoscopic Exam Color <u>tan</u> ☒ Texture <u>flts</u> ☒ Homogeneity <u>4</u> ☒ # of Layers <u>4</u> ☒ Color of Layer <u>tan</u> ☒ Detected Yes ☒ No ☐ Comments:	PLM Optical Properties Morphology <u>11</u> Extinction <u>11</u> RI II <u>1.17</u> DS Color <u>tan</u> Color Pico <u>tan</u> Sign <u>tan</u> Biref <u>tan</u>	Asbestos Results PLM % Chrysotile <u>0.75</u> Amphibole <u>1.17</u> Other <u>1.17</u>	Other Fibrous % Cellulose <u>34.5</u> Fiberglass <u>4.0</u> Other <u>4.0</u>	Non Fibrous % Mineral Filler <u>25</u> Organic Binders <u>4.0</u> Vermiculite <u>4.0</u> Other <u>4.0</u>	Gravimetric (HOB) Results % Organic <u>4.0</u> Residue <u>4.0</u> Carbonate <u>4.0</u> Other <u>4.0</u> Asbestos <u>4.0</u>
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Field No <u>4</u>	Gravimetric (HOB) Required ☒	Stereoscopic Exam Color <u>tan</u> ☒ Texture <u>flts</u> ☒ Homogeneity <u>4</u> ☒ # of Layers <u>4</u> ☒ Color of Layer <u>tan</u> ☒ Detected Yes ☒ No ☐ Comments:	PLM Optical Properties Morphology <u>11</u> Extinction <u>11</u> RI II <u>1.17</u> DS Color <u>tan</u> Color Pico <u>tan</u> Sign <u>tan</u> Biref <u>tan</u>	Asbestos Results PLM % Chrysotile <u>0.75</u> Amphibole <u>1.17</u> Other <u>1.17</u>	Other Fibrous % Cellulose <u>34.5</u> Fiberglass <u>4.0</u> Other <u>4.0</u>	Non Fibrous % Mineral Filler <u>25</u> Organic Binders <u>4.0</u> Vermiculite <u>4.0</u> Other <u>4.0</u>	Gravimetric (HOB) Results % Organic <u>4.0</u> Residue <u>4.0</u> Carbonate <u>4.0</u> Other <u>4.0</u> Asbestos <u>4.0</u>
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ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor, New York, NY 10010, Phone (212) 353-8280, FAX (212) 353-3599 or 8306

 10/11/87
ELAP 10019
Microscope OLYMP B117

Client / Project: ALC / Lefrak Bldg #100 Project No: 3017

Analysis Date: 10/6/01 Analyst: gao Batch No: 3017

Field No. <u>15</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>ph</u>	Extinction RI II <u>1.2</u>	Chrysotile <u>72</u>	Cellulose <u>20</u>	Mineral Filler <u>27</u>	Organic Binders <u>38</u>	Other <u>TC</u>	Organic <u>TC</u>
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	DS Color <u>Y</u>	Amosite <u>TC</u>	Fiberglass <u>38</u>	Organic Binders <u>38</u>	Residue <u>TC</u>	Carbonate <u>TC</u>	Other <u>TC</u>
# of Layers <u>1</u>	Detected <u>Yes</u>	Color Pico <u>Y</u>	Other <u>TC</u>	Other <u>TC</u>	Vermiculite <u>TC</u>	Other <u>TC</u>	Other <u>TC</u>	Asbestos <u>TC</u>
Color of Layer <u>tan</u>	Yes <u>Y</u>	Sign <u>Y</u>	Comments: <u>TC</u>					
Method: ☒ Stereoscopic Exam ☐ PLM Optical Properties ☐ Gravimetric (HOB) ☐ Other ☐								

Field No. <u>16</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>ph</u>	Extinction RI II <u>1.2</u>	Chrysotile <u>72</u>	Cellulose <u>20</u>	Mineral Filler <u>27</u>	Organic Binders <u>38</u>	Other <u>TC</u>	Organic <u>TC</u>
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	DS Color <u>Y</u>	Amosite <u>TC</u>	Fiberglass <u>38</u>	Organic Binders <u>38</u>	Residue <u>TC</u>	Carbonate <u>TC</u>	Other <u>TC</u>
# of Layers <u>1</u>	Detected <u>Yes</u>	Color Pico <u>Y</u>	Other <u>TC</u>	Other <u>TC</u>	Vermiculite <u>TC</u>	Other <u>TC</u>	Other <u>TC</u>	Asbestos <u>TC</u>
Color of Layer <u>tan</u>	Yes <u>Y</u>	Sign <u>Y</u>	Comments: <u>TC</u>					
Method: ☒ Stereoscopic Exam ☐ PLM Optical Properties ☐ Gravimetric (HOB) ☐ Other ☐								

Field No. <u>17</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>ph</u>	Extinction RI II <u>1.2</u>	Chrysotile <u>72</u>	Cellulose <u>20</u>	Mineral Filler <u>27</u>	Organic Binders <u>38</u>	Other <u>TC</u>	Organic <u>TC</u>
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	DS Color <u>Y</u>	Amosite <u>TC</u>	Fiberglass <u>38</u>	Organic Binders <u>38</u>	Residue <u>TC</u>	Carbonate <u>TC</u>	Other <u>TC</u>
# of Layers <u>1</u>	Detected <u>Yes</u>	Color Pico <u>Y</u>	Other <u>TC</u>	Other <u>TC</u>	Vermiculite <u>TC</u>	Other <u>TC</u>	Other <u>TC</u>	Asbestos <u>TC</u>
Color of Layer <u>tan</u>	Yes <u>Y</u>	Sign <u>Y</u>	Comments: <u>TC</u>					
Method: ☒ Stereoscopic Exam ☐ PLM Optical Properties ☐ Gravimetric (HOB) ☐ Other ☐								

Field No. <u>18</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>ph</u>	Extinction RI II <u>1.2</u>	Chrysotile <u>72</u>	Cellulose <u>20</u>	Mineral Filler <u>27</u>	Organic Binders <u>38</u>	Other <u>TC</u>	Organic <u>TC</u>
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	DS Color <u>Y</u>	Amosite <u>TC</u>	Fiberglass <u>38</u>	Organic Binders <u>38</u>	Residue <u>TC</u>	Carbonate <u>TC</u>	Other <u>TC</u>
# of Layers <u>1</u>	Detected <u>Yes</u>	Color Pico <u>Y</u>	Other <u>TC</u>	Other <u>TC</u>	Vermiculite <u>TC</u>	Other <u>TC</u>	Other <u>TC</u>	Asbestos <u>TC</u>
Color of Layer <u>tan</u>	Yes <u>Y</u>	Sign <u>Y</u>	Comments: <u>TC</u>					
Method: ☒ Stereoscopic Exam ☐ PLM Optical Properties ☐ Gravimetric (HOB) ☐ Other ☐								

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NYLAP 10187

ELAP 10070

MICROSCOPIC OLSP BII 2

Client / Project

ALC / Lefrak Bldg #100

Analysis Date

10/6/01 Analyst *gn*

Project No.

Batch No

3017

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color <i>tan</i> Homogeneity <i>h</i> # of Layers <i>4</i> Color of Layer <i>h</i> Comments:	Morphology <i>fib</i> RI <i>1.54</i> DS Color <i>h</i> Biref <i>h</i> Extinction <i>h</i> RI II <i>h</i> Color Pico <i>h</i> Sign <i>h</i>	Chrysotile <i>h</i> Amphibole <i>h</i> Other <i>h</i>	Cellulose <i>h</i> Fiberglass <i>h</i> Other <i>h</i>	Mineral Filler <i>h</i> Organic Binders <i>h</i> Vermiculite <i>h</i> Other <i>h</i>	Organic <i>h</i> Residue <i>h</i> Carbonate <i>h</i> Other <i>h</i> Asbestos <i>h</i>
2	Color <i>tan</i> Homogeneity <i>h</i> # of Layers <i>4</i> Color of Layer <i>h</i> Comments:	Morphology <i>fib</i> RI <i>1.54</i> DS Color <i>h</i> Biref <i>h</i> Extinction <i>h</i> RI II <i>h</i> Color Pico <i>h</i> Sign <i>h</i>	Chrysotile <i>h</i> Amphibole <i>h</i> Other <i>h</i>	Cellulose <i>h</i> Fiberglass <i>h</i> Other <i>h</i>	Mineral Filler <i>h</i> Organic Binders <i>h</i> Vermiculite <i>h</i> Other <i>h</i>	Organic <i>h</i> Residue <i>h</i> Carbonate <i>h</i> Other <i>h</i> Asbestos <i>h</i>
3	Color <i>tan</i> Homogeneity <i>h</i> # of Layers <i>4</i> Color of Layer <i>h</i> Comments:	Morphology <i>fib</i> RI <i>1.54</i> DS Color <i>h</i> Biref <i>h</i> Extinction <i>h</i> RI II <i>h</i> Color Pico <i>h</i> Sign <i>h</i>	Chrysotile <i>h</i> Amphibole <i>h</i> Other <i>h</i>	Cellulose <i>h</i> Fiberglass <i>h</i> Other <i>h</i>	Mineral Filler <i>h</i> Organic Binders <i>h</i> Vermiculite <i>h</i> Other <i>h</i>	Organic <i>h</i> Residue <i>h</i> Carbonate <i>h</i> Other <i>h</i> Asbestos <i>h</i>
4	Color <i>tan</i> Homogeneity <i>h</i> # of Layers <i>4</i> Color of Layer <i>h</i> Comments:	Morphology <i>fib</i> RI <i>1.54</i> DS Color <i>h</i> Biref <i>h</i> Extinction <i>h</i> RI II <i>h</i> Color Pico <i>h</i> Sign <i>h</i>	Chrysotile <i>h</i> Amphibole <i>h</i> Other <i>h</i>	Cellulose <i>h</i> Fiberglass <i>h</i> Other <i>h</i>	Mineral Filler <i>h</i> Organic Binders <i>h</i> Vermiculite <i>h</i> Other <i>h</i>	Organic <i>h</i> Residue <i>h</i> Carbonate <i>h</i> Other <i>h</i> Asbestos <i>h</i>

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INCLAP 101007
ELAP 10070

MICROSCOPIC OR XRF BULK

Client / Project

ALC / Lefrak Bldgs #100

Analysis Date

10/6/01

Analyst

ga

Project No.

Batch No. 3051

1	Field No. 23	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color tan	Texture fib	Morphology 1.2	Extinction RI II 1.2	Chrysotile 100	Cellulose 35	Mineral Filler 25	Organic 0
		Homogeneity 1	Asbestos 0	DS Color 1.2	Color Pico 1.2	Anisole 0	Fiberglass 40	Organic Binders 0	Residue 0
		# of Layers 1	Detected Yes No	Brief 1	Sign 1	Other 0	Other 0	Vermiculite 0	Carbonate 0
		Color of Layer 1	Comments:					Other 0	Asbestos 0
		Method: 100x 100x 100x 100x 100x 100x 100x 100x 100x 100x							

2	Field No. 24	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color tan	Texture fib	Morphology 1.2	Extinction RI II 1.2	Chrysotile 100	Cellulose 35	Mineral Filler 25	Organic 0
		Homogeneity 1	Asbestos 0	DS Color 1.2	Color Pico 1.2	Anisole 0	Fiberglass 40	Organic Binders 0	Residue 0
		# of Layers 1	Detected Yes No	Brief 1	Sign 1	Other 0	Other 0	Vermiculite 0	Carbonate 0
		Color of Layer 1	Comments:					Other 0	Asbestos 0
		Method: 100x 100x 100x 100x 100x 100x 100x 100x 100x 100x							

3	Field No. 25	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color tan	Texture fib	Morphology 1.2	Extinction RI II 1.2	Chrysotile 100	Cellulose 35	Mineral Filler 25	Organic 0
		Homogeneity 1	Asbestos 0	DS Color 1.2	Color Pico 1.2	Anisole 0	Fiberglass 40	Organic Binders 0	Residue 0
		# of Layers 1	Detected Yes No	Brief 1	Sign 1	Other 0	Other 0	Vermiculite 0	Carbonate 0
		Color of Layer 1	Comments:					Other 0	Asbestos 0
		Method: 100x 100x 100x 100x 100x 100x 100x 100x 100x 100x							

4	Field No. 26	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color tan	Texture fib	Morphology 1.2	Extinction RI II 1.2	Chrysotile 100	Cellulose 35	Mineral Filler 25	Organic 0
		Homogeneity 1	Asbestos 0	DS Color 1.2	Color Pico 1.2	Anisole 0	Fiberglass 40	Organic Binders 0	Residue 0
		# of Layers 1	Detected Yes No	Brief 1	Sign 1	Other 0	Other 0	Vermiculite 0	Carbonate 0
		Color of Layer 1	Comments:					Other 0	Asbestos 0
		Method: 100x 100x 100x 100x 100x 100x 100x 100x 100x 100x							

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

NYLAP 100100 /
ELAP 100100

Microscope OLYMPUS

Client / Project

ALC/Lefrak Bldg #100

Analysis Date 10/6/01 Analyst gr

Project No. _____

Batch No.

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Graumatic (HOB) Results %
1	Color: tan Homogeneity: y # of Layers: 2 Color of Layer: — Comments:	Morphology: w RI I: 1.7 DS Color: gpm Biref: — Extinction: II RI II: 1.5 Color Plo: — Sign: +	Chrysotile: 100% Amosite: — Other: —	Cellose: 23 Fiberglass: 42 Other: —	Mineral Fiber: 35 Organic Binders: — Vermiculite: — Other: —	Duganic Residue: — Carbonate: — Other: — Asbestos: —
Method:	☐ 10x / 10x	☒ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x
Field No. 28	Color: tan Homogeneity: y # of Layers: 2 Color of Layer: — Comments:	Morphology: w RI I: 1.7 DS Color: gpm Biref: — Extinction: II RI II: 1.5 Color Plo: — Sign: +	Chrysotile: 100% Amosite: — Other: —	Cellose: 28 Fiberglass: 42 Other: 89 Sign: +	Mineral Fiber: 30 Organic Binders: — Vermiculite: — Other: —	Duganic Residue: — Carbonate: — Other: — Asbestos: —
Method:	☐ 10x / 10x	☒ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x
Field No. 29	Color: tan Homogeneity: y # of Layers: 2 Color of Layer: — Comments:	Morphology: w RI I: 1.7 DS Color: gpm Biref: — Extinction: II RI II: 1.5 Color Plo: — Sign: +	Chrysotile: 100% Amosite: — Other: —	Cellose: 34 Fiberglass: 42 Other: —	Mineral Fiber: 28 Organic Binders: — Vermiculite: — Other: —	Duganic Residue: — Carbonate: — Other: — Asbestos: —
Method:	☐ 10x / 10x	☒ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x
Field No. 30	Color: tan Homogeneity: y # of Layers: 2 Color of Layer: — Comments:	Morphology: w RI I: 1.7 DS Color: gpm Biref: — Extinction: II RI II: 1.5 Color Plo: — Sign: +	Chrysotile: 100% Amosite: — Other: —	Cellose: 34.5 Fiberglass: 42 Other: —	Mineral Fiber: 25 Organic Binders: — Vermiculite: — Other: —	Duganic Residue: — Carbonate: — Other: — Asbestos: —
Method:	☐ 10x / 10x	☒ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x	☐ 10x / 10x

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NYLAP 101187
FLAP 10819

MICROSCOPE OLYMPUS RI2

Client / Project

ALC / Lefrak Bldg #100

Analysis Date

10/6/01

Analyst

ga

Project No.

Batch No 3017

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1 Field No. 31	Color: tan Homogeneity: 2A # of Layers: 2 Color of Layer: — Comments: —	Morphology: 1.1M RI: 1.54 DS Color: 6/10 Biref: L Extinction: RI II Color Pileo: Sign	Asbestos Results PLM % Chrysotile: 0-2 Amosite: — Other: —	Other Fibrous % Cellulose: 27.2 Fiberglass: 4.0 Other: —	Non Fibrous % Mineral Filler: 3.0 Organic Binders: — Vermiculite: — Other: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —
2 Field No. 32	Color: tan Homogeneity: 2A # of Layers: 2 Color of Layer: — Comments: —	Morphology: 1.1M RI: 1.54 DS Color: 6/10 Biref: L Extinction: RI II Color Pileo: Sign	Asbestos Results PLM % Chrysotile: 0-2 Amosite: — Other: —	Other Fibrous % Cellulose: 31.6 Fiberglass: 4.0 Other: 5.0	Non Fibrous % Mineral Filler: 2.0 Organic Binders: — Vermiculite: — Other: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —
3 Field No. 33	Color: tan Homogeneity: 2A # of Layers: 2 Color of Layer: — Comments: —	Morphology: 1.1M RI: 1.54 DS Color: 6/10 Biref: L Extinction: RI II Color Pileo: Sign	Asbestos Results PLM % Chrysotile: 1.0 Amosite: — Other: —	Other Fibrous % Cellulose: 2.9 Fiberglass: 4.1 Other: —	Non Fibrous % Mineral Filler: 3.0 Organic Binders: — Vermiculite: — Other: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —
4 Field No. 34	Color: tan Homogeneity: 2A # of Layers: 2 Color of Layer: — Comments: —	Morphology: 1.1M RI: 1.54 DS Color: 6/10 Biref: L Extinction: RI II Color Pileo: Sign	Asbestos Results PLM % Chrysotile: 0-2 Amosite: — Other: —	Other Fibrous % Cellulose: 27.2 Fiberglass: 4.0 Other: —	Non Fibrous % Mineral Filler: 3.0 Organic Binders: — Vermiculite: — Other: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —

Analysis Date	10/6/01
Analyst	gca

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NYLAP 101807
 ELAP 10870

Niceco Corp OLYP B112

Client / Project

ALC / Lefrak Bldg #100

Analysis Date

10/6/01 Analyst go

Project No.

Batch No

3051

Field No. 39	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color tan	Texture fib	Morphology w	Extinction RI II	0.25 Chrysotile	24.55 Cellulose	25 Mineral Filler	Organic
Recon. method	Homogeneity 4	Asbestos	RI I	RI II	Amosite	50 Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color, Pico	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEI	Comments:							Asbestos
Notes on this page	Method: ☒ 10x/10x ☐ 10x/5x ☐ 5x/5x ☐ 5x/10x	Final % Asbestos = 0						

Field No. 40	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color tan	Texture fib	Morphology w	Extinction RI II	0.25 Chrysotile	28.35 Cellulose	30 Mineral Filler	Organic
Recon. method	Homogeneity 4	Asbestos	RI I	RI II	Amosite	46 Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color, Pico	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEI	Comments:							Asbestos
Notes on this page	Method: ☒ 10x/10x ☐ 10x/5x ☐ 5x/5x ☐ 5x/10x	Final % Asbestos = 0						

Field No. 41	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color tan	Texture fib	Morphology w	Extinction RI II	0.50 Chrysotile	24.15 Cellulose	31 Mineral Filler	Organic
Recon. method	Homogeneity 4	Asbestos	RI I	RI II	Amosite	42 Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color, Pico	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEI	Comments:							Asbestos
Notes on this page	Method: ☒ 10x/10x ☐ 10x/5x ☐ 5x/5x ☐ 5x/10x	Final % Asbestos = 0						

Field No. 42	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color tan	Texture fib	Morphology w	Extinction RI II	0.25 Chrysotile	27 Cellulose	33 Mineral Filler	Organic
Recon. method	Homogeneity 4	Asbestos	RI I	RI II	Amosite	38 Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color, Pico	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEI	Comments:							Asbestos
Notes on this page	Method: ☒ 10x/10x ☐ 10x/5x ☐ 5x/5x ☐ 5x/10x	Final % Asbestos = 0						

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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NYLAP 101107
ELAP 10819

INTERSCOPE OLYMPIA 2

Client/Project ALC/Lefrak Bldg #100

Analysis Date 10/6/01 Analyst go

Project No

Batch No

3017

1	Field No. <u>43</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.51208</u> DS Color <u>4/10/49</u> Extinction <u>11</u> RI <u>1.51208</u> Color Pico <u>1.7</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>28</u> Anisole <u>12</u> Other	Other Fibrous % Cellulose <u>24</u> Fluoroglass <u>5.0</u> Other	Non Fibrous % Mineral Filler <u>26</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
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2	Field No. <u>44</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.51208</u> DS Color <u>4/10/49</u> Extinction <u>11</u> RI <u>1.51208</u> Color Pico <u>1.7</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>0.21</u> Anisole Other	Other Fibrous % Cellulose <u>24</u> Fluoroglass <u>4.2</u> Other	Non Fibrous % Mineral Filler <u>30</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
---	---------------------	---	--	--	---	--	---

3	Field No. <u>45</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.51208</u> DS Color <u>4/10/49</u> Extinction <u>11</u> RI <u>1.51208</u> Color Pico <u>1.7</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>0.21</u> Anisole Other	Other Fibrous % Cellulose <u>33.5</u> Fluoroglass <u>4.0</u> Other	Non Fibrous % Mineral Filler <u>26</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
---	---------------------	---	--	--	---	--	---

4	Field No. <u>46</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.51208</u> DS Color <u>4/10/49</u> Extinction <u>11</u> RI <u>1.51208</u> Color Pico <u>1.7</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>0.10</u> Anisole Other	Other Fibrous % Cellulose <u>29.0</u> Fluoroglass <u>4.0</u> Other	Non Fibrous % Mineral Filler <u>30</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
---	---------------------	---	--	--	---	--	---

7.14 Air Sampling Results



104 East 25th Street
New York, New York 10010
www.atc-enviro.com
212 353 8280
Fax 212 353 8306

October 14, 2001

ALC Environmental
115 W. 30th Street
New York, NY 10001
Attn: Mr. Joshua Sarett

Re: Report of TEM Analysis

Dear Mr. Sarett:

Following are the results of transmission electron microscopy (TEM) analysis of air samples from our Group No. 5689.

Client: Gateway Plaza Mngt. Corp.
Project Name: Building 100 at Gateway Plaza - 365 South End Ave.
Location: Various Sites
Samples received: 10/14/01

These results will confirm and document the data transmitted today to you. The analyses were performed in strict conformance with the methodology of the AHERA Final Rule (CFR October 30, 1997) for clearance of abatement sites. As indicated on the attached Summary Results sheet, no asbestos structures were detected in any of the twenty-four samples submitted from the site.

Results reported as Struct/cc are a function of air volume collected in the field and are, as such, not verifiable by this laboratory. This report may be reproduced only in its entirety and not without prior permission of this laboratory. If the post-abatement inside samples pass, the response action may be considered to have been completed. The analyses were supervised by Dr. Michael A. Corycki, Director of Electron Microscopy.

We are pleased to note that our TEM lab has received full accreditation from NVLAP, as is currently required for recognized analysis of TEM air samples for AHERA projects, and also approval under the NY State DOH ELAP program. These analyses were performed by ATC d/b/a ATC Associates Inc.

Please contact me regarding any questions relating to these materials.

Very truly yours,

Michael A. Corycki, Ph.D.
Director of Electron Microscopy

ATC ENVIRONMENTAL, INC.
104 East 25th Street
New York, NY 10010

APPROVED NY STATE DOH ELAP # 10879
ACCREDITED NYLAP Lab Code # 1187

Summary of TEM Results

ATC Environmental
115 W. 30th Street, 11th Fl.
New York, NY 10001
Mr. Joshua Saret

DATE: 12/14/01

Project/Site Identification: Gateway Plaza Mgmt. Corp., 365 South End Ave., NY
Building 100, Gateway Plaza, Various Sites

CONCLUSION:

STATISTICAL SUMMARY

1) Inside Samples

TEMP	PROJECT #	Volume (l)	Asbestos Concentration		
			S/mm ²	S/cc	ngm/m ³
		Average =	N/A	N/A	N/A

2) Outside Samples

TEM#	Project #	Volume(l)	<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
5689- 61306	1	1800	0.0	0.0048 *	
5689- 61307	2	1800	0.0	0.0018 *	
5689- 61308	3	1800	0.0	0.0048 *	
5689- 61309	4	1800	0.0	0.0048 *	
5689- 61310	5	1800	0.0	0.0018 *	
5689- 61311	6	1800	0.0	0.0048 *	
5689- 61312	7	1800	0.0	0.0048 *	
5689- 61313	8	1800	0.0	0.0048 *	
5689- 61314	9	1800	0.0	0.0018 *	
5689- 61315	10	1800	0.0	0.0048 *	
5689- 61316	11	1800	0.0	0.0048 *	
5689- 61317	12	1800	0.0	0.0018 *	
5689- 61318	13	1800	0.0	0.0048 *	
5689- 61319	14	1800	0.0	0.0018 *	
5689- 61320	15	1800	0.0	0.0048 *	
5689- 61321	16	1800	0.0	0.0048 *	
5689- 61322	17	1800	0.0	0.0048 *	
5689- 61323	18	1800	0.0	0.0048 *	
5689- 61324	19	1800	0.0	0.0018 *	
5689- 61325	20	1800	0.0	0.0018 *	
5689- 61326	21	1800	0.0	0.0048 *	
5689- 61327	22	1800	0.0	0.0048 *	
5689- 61328	23	1800	0.0	0.0048 *	
5689- 61329	24	1800	0.0	0.0018 *	
5689- 61330	25	1800	0.0	0.0048 *	
Average=			0.0	0.0048	0

3) Blanks

TEM#	Project #	<u>Asbestos Concentration</u>		
		S/mm ²	S/cc	ngm/m ³
5689- 61321	16	Not Analyzed		
5689- 61321	20	Not Analyzed		
Average=		N/A	N/A	N/A

4) Value of T - Statistics N/A

* None detected: concentration equivalent to analytical sensitivity assigned.

This test report relates only to the specific items cited in the analysis.

The analysis was carried out according to the approved TEM method. The laboratory is in compliance with the quality specified for the method.

This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government.

RP

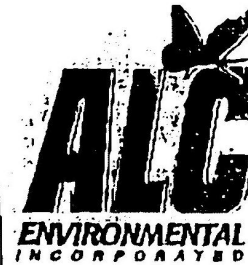
Analyzed by:
Roman Peysakhov



Michael A. Gorycki, Ph.D.
Director of Electron Microscopy

Asbestos Air Sampling Data Form

Client: GATEWAY PLAZA MANAGEMENT CORP Date: 10-14-01
 Sampled By: A. BLAKE Rotometer #: Project #:
 Work Area: BUILDING 100 GATEWAY PLAZA 365 SOUTH END AVE



The First Choice for Environmental Testing & Consulting

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Ft. Air	Results
			Start	Stop		Start	Stop			
9	HALL-WAY 5 TH FLOOR OUTSIDE APT PII	4	2210	0110	180	10	10	1800		Flinn <22.3
10	APT PII LIVING ROOM	4	2214	0114	180	10	10	1800		<22.3
11	APT PII BED LIVING RM	4	2218	0118	180	10	10	1800		<22.3
12	APT PII BED ROOM	4	2222	0122	180	10	10	1800		<22.3
13	APT PII LIVING/BED ROOM	4	2226	0126	180	10	10	1800		<22.3
14	APT PII BED ROOM	4	2230	0130	180	10	10	1800		<22.3
15	HALL-WAY 4 TH FLOOR OUTSIDE APT PII	4	2235	0135	180	10	10	1800		<22.3
16	BLANK	✓	✓							

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. DURING A. Aggressive D. Dormant 1. In 1' Work Area O. Out 1' Work Area B. Excavation T. TW

Analysis: ☒ TEM AHERA ☐ TEM Philadelphia ☐ PCM NIOSH 7400 Turnaround: ☐ ASAP ☐ 2 Day (48hr) ☒ Same Day (1 Hr) ☒ RUSH

Relinquished By: A. BLAKE Date/Time: Received By: Date/Time: 10/14/01
 Analyst: ATC-TEM By: RRK Disposal By/Date:

115 West 30th Street • 11th Floor • New York, New York 10001 • 212.279.1001 • 888.466.3620 • Fax: 212.279.6747
 Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9499 • 888.789.8378 • Fax: 215.732.9500

Asbestos Air Sampling Data Form

Client: GATEWAY PLAZA MANAGEMENT CORP Date: 6-13-06
 Sampled By: A. BLAKE Rotometer #: 001
 Work Area: BUILDING 100 - GATEWAY PLAZA 365 SEPTHER AVE Project #:



The First Choice for Environmental Testing & Consulting

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results
			Start	Stop		Start	Stop			
1	APT PII LIVING ROOM	4	2130	0030	180	10	10	1800		<22.3
2	APT PII LIVING RM	4	2135	0035	180	10	10	1800		<22.3
3	HALL-WAY 6th FLR OUTSIDE APT PII	4	2140	0040	180	10	10	1800		<22.3
4	APT PII LIVING RM / BEDRM	4	2145	0045	180	10	10	1800		<22.3
5	APT PII BEDROOM	4	2150	0050	180	10	10	1800		<22.3
6	APT PII LIVING RM / BED RM	4	2155	0055	180	10	10	1800		<22.3
7	APT PII LIVING RM	4	2200	0100	180	10	10	1800		<22.3
8	APT PII BEDROOM	4	2205	0105	180	10	10	1800		<22.3

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. DURING A. Aggressive D. Dormant I. Inside Work Area O. Outside Work Area E. Excursion T. TWA

Analysis: ☒ TEM AHERA ☐ TEM Philadelphia ☐ PCM NIOSH 7400 Turnaround: ☐ ASAP ☐ 2 Day (48hr) ☒ Same Day (18hr) ☒ Kc: S/L

Relinquished: A. BLAKE Date/Time: 10/14/06 Received: [Signature] Date/Time: 10/14/06
 Analyst: ATC-TEM By: RKly Disposal By/Date: _____

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 Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9499 • 888.739.6378 • Fax: 215.732.2551

Asbestos Air Sampling Data Form

Client: GATEWAY PLAZA MANAGEMENT CORP. Date: 10-14-01
 Sampled By: A. BLAKE Rotometer #: 001 Project #:
 Work Area: BUILDING 100 - GATEWAY PLAZA 365 SOUTH 6TH AVE



The First Choice for Environmental Testing & Consulting

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results
			Start	Stop		Start	Stop			
17	APT PII BEDRM	4	0115	0445	180	10	10	1800		<22.3
18	APT PII LIVING RM	4	0150	0450	180	10	10	1800		<22.3
19	APT PII LIVING RM	4	0155	0455	180	10	10	1800		<22.3
20	HALL-WAY 3RD FLR OUTSIDE APT PII	4	0200	0500	180	10	10	1800		<22.3
21	APT PII LIVING RM	4	0205	0505	180	10	10	1800		<22.3
22	INSIDE 2ND FLOOR LAUNDRY ROOM	4	0210	0510	180	10	10	1800		<22.3
23	2ND FLOOR HALLWAY OUTSIDE LAUNDRY RM	4	0215	0515	180	10	10	1800		<22.3
24	LOBBY AREA IN FLK IN WAITING AREA AT SECURITY DESK	4	0220	0520	180	10	10	1800		<22.3

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. During A. Aggressive D. Dormant L. Inside Work Area O. Outside Work Area E. Excursion T. TWA

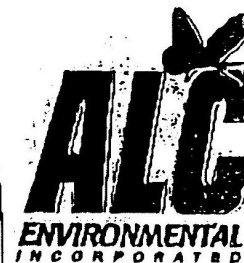
Analysis: ☒ TEM AHERA ☒ TEM Philadelphia ☐ PCM NIOSH 7400 Turnaround: ☐ ASAP ☐ 2 Day (48hr) ☒ Same Day (1 day) ☒ RUSH

Relinquished: A. BLAKE Date/Time: Received: Date/Time: 10/14/01
 Analyst: ATE-TEM By RPY Disposal By/Date: 10.14.01

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 Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9199 • 888.750.8378 • Fax: 215.732.9511

Asbestos Air Sampling Data Form

Client: 47-51 GATEWAY PLAZA MANAGEMENT CORP Date: 10-14-01
 Sampled By: A. BLAKE Rotometer #: _____ Project #: _____
 Work Area: BUILDING 100 GATEWAY PLAZA 365 SOUTH END AVE - 14th FLOOR



The First Choice for Environmental Testing & Consulting

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/cc)
			Start	Stop		Start	Stop			
25	LOBBY 1ST FLOOR IN FRONT OF ELEVATOR 4	4	0225	0525	180	10	10	1800		F/M/M <22.3
26	FIELD BLANK	/								

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. During A. Aggressive D. Dormant L. Inside Work Area O. Outside Work Area B. Excursion T. TWA

Analysis: ☒ TEM AHERA ☐ TEM Philadelphia ☐ PCM NIOSH 7400 ☐ Tenaxround ☐ ASAP ☐ 2 Day (48hr) ☒ Same Day (12hr) ☒ RUSH

Relinquished By: A. BLAKE Date/Time: _____ Received By: [Signature] Date/Time: 10/14/01
 Analyst: AT-TEM By Rly Disposal By/Date: _____

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 Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9499 • 888.789.8378 • Fax: 215.732.9359

8. Certifications

8.1 Company License



DIVISION OF SAFETY AND HEALTH
License and Certificate Unit
BUILDING 12, Room 161
STATE CAMPUS
ALBANY, NY 12240
ASBESTOS HANDLING LICENSE

RESTRICTED LICENSE - NO ASBESTOS REMOVAL PERMITTED

LICENSE NUMBER: 00-0358
DATE OF ISSUE: 04/27/01
EXPIRATION DATE: 04/30/02

Contractor: Leadbusters Inc. T/A ALC Environmental

Address: 115 West 30th Street
Rm 1106
New York, NY 10001

Duly Authorized Representative: Joshua Sarett

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. The licensee verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (10-00)

8.2 Personnel Certifications

MUST BE CARRIED ON ASBESTOS PROJECTS

CERTIFICATE NUMBER

PII

At
the
NY
City
of
P

 STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASS
C - SAMPLING TECHNICIAN (07/02)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

DUSH-442 (01/91)



STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES
C - SAMPLING TECHNICIAN (04/02)
H - PROJECT MONITOR (04/02)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

DUSH-442 (01/91)

MUST BE CARRIED ON ASBESTOS PROJECTS

PII

DOSH-442 (01/71)

 STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASS
D - INSPECTOR (02/03)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

DOSH-442 (01/71)

MUST BE CARRIED ON ASBESTOS PROJECTS

CERTIFICATE NUMBER

PII

ASBESTOS
HANDLING
PROJECT

MUST BE CARRIED ON ASBESTOS PROJECTS

PII



STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

ASBESTOS HANDLING CERTIFICATE
AUTHORIZED CLASSES
C - SAMPLING TECHNICIAN (12/01)
H - PROJECT MONITOR (12/01)

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

DOSH-442 (01/91)

8.3 Laboratory Certifications

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner



Expires 12:01 AM April 1, 2001
ISSUED April 1, 2000
REVISED July 24, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 10879

Director: MS. MILENA LOWD
Lab Name: ATC ASSOCIATES INC
Address: 104 EAST 25TH 10TH FLOOR
NEW YORK NY 10010

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES/SOLID AND HAZARDOUS WASTE

All approved subcategories and/or analytes are listed below:

Miscellaneous:
Asbestos in Friable Material
Asbestos in Non-Friable Material
Lead in Dust Types
Lead in Paint

Serial No.: 107613

Wadsworth Center

Property of the New York State Department of Health. Valid only at the address shown.
Must be conspicuously posted. Valid certificate has a red serial number.

DOH-5317 (3/97)

ANTONIA C. NOVELLO, M.D., M.P.H. Commissioner



Expires 12:01 AM April 1, 2001
ISSUED April 1, 2000
REVISED July 24, 2000

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

Lab ID No.: 10879

Director: MS. MILENA LOWD
Lab Name: ATC ASSOCIATES INC
Address : 104 EAST 25TH 10TH FLOOR
NEW YORK NY 10010

is hereby APPROVED as an Environmental Laboratory for the category

ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved subcategories and/or analytes are listed below:

Drinking Water Metals &
Lead, Total

Serial No.: 107610

Wadsworth Center

Property of the New York State Department of Health. Valid only at the address shown.
Must be conspicuously posted. A valid certificate has a red serial number.

DOH-3317 (3/97)

ENVIRONMENTAL LEAD PROFICIENCY ANALYTICAL TESTING (ELPAT) PROGRAM
 INDIVIDUAL LABORATORY REPORT FOR ROUND 024
 LAB ID=07054 SEPTEMBER 23, 1998
 ATC ASSOCIATES INC., NEW YORK, NY 10010

SAMPLE TYPE	SAMPLE NO.	REPORTED RESULTS	REFERENCE VALUES *	ACCEPTABLE LOWER	RANGE # UPPER	LAB @ PERFORMANCE	Z & SCORE
Paint Chips (%)	1	0.6582	0.7432	0.5812	0.9052	A	-1.57
	2	0.1752	0.2127	0.1492	0.2762	A	-1.77
	3	0.051	0.0524	0.0377	0.0672	A	-0.29
	4	3.2413	3.3834	2.6436	4.1232	A	-0.58
Soil (mg/kg)	1	400.7	440.6	354	527.2	A	-1.38
	2	626.1	696.3	545.3	827.4	A	-1.28
	3	713.1	820.9	651.2	990.5	A	-1.91
	4	39.9	34.2	13.1	55.3	A	0.81
Dust Wipes (ug)	1	58	57.8355	37.5	78.2	A	0.02
	2	1047.3	1127.0581	884	1370.2	A	-0.98
	3	127.1	128.3887	93.4	163.4	A	-0.11
	4	354.8	401.8589	326	477.8	A	-1.86

* Reference value is the mean of the reference laboratories
 # Upper limit: reference value + 3 standard deviations
 Lower limit: reference value - 3 standard deviations
 @ A: Analysis acceptable; -: Results not reported
 H: Results > upper limit, L: Results < lower limit, not acceptable
 & Z Score = (reported result-reference value)/standard deviation
 Note: the acceptability of reported results is based on z-scores.
 This is why a reported result may appear acceptable according to performance limits, but be identified as an outlier.
 =====

LABORATORY YEAR-TO-DATE PERFORMANCE REPORT
 LAB ID=07054

SAMPLE TYPE	ROUND NO.	ROUND * PERFORMANCE	ACCUMULATED 4 ROUNDS(%)	PERFORMANCE 2 ROUNDS(%)	PROFICIENCY RATING #
Paint Chips (%)	021	4/4			
	022	4/4			
	023	4/4			
	024	4/4	16/16 100	8/8 100	P
Soil (mg/kg)	021	4/4			
	022	4/4			
	023	4/4			
	024	4/4	16/16 100	8/8 100	P
Dust Wipes (ug)	021	4/4			
	022	4/4			
	023	4/4			
	024	4/4	16/16 100	8/8 100	P

* The denominators represent the number of total samples analyzed.
 The numerators represent the number of acceptable results.
 # P: Proficient NP: Nonproficient -: Not Rated
 Performance ratings are based on accumulated results over four rounds (one year). A lab's performance in ground paint chips, soil, or dust wipes is rated proficient (P), if: 1) three-fourths (75%) or more of the accumulated results over four rounds are acceptable or 2) for the last two rounds, all samples are analyzed and the results are 100 % acceptable.

ENVIRONMENTAL LEAD PROFICIENCY ANALYTICAL TESTING (ELPAT) PROGRAM
INDIVIDUAL LABORATORY REPORT FOR ROUND 023
LAB ID=07054 JUNE 24, 1998
ATC ASSOCIATES INC. NY, NEW YORK, NY 10010

SAMPLE TYPE	SAMPLE NO.	REPORTED RESULTS	REFERENCE VALUES *	ACCEPTABLE LOWER	RANGE # UPPER	LAB @ PERFORMANCE	Z & SCORE
Paint Chips (%)	1	0.0375	0.0366	0.0265	0.0467	A	0.25
	2	1.8316	1.8085	1.4203	2.1966	A	0.18
	3	0.4177	0.4255	0.3469	0.5042	A	-0.30
	4	1.0184	1.0131	0.8111	1.2152	A	0.08
Soil (mg/kg)	1	1392.7	1421.6	1187.5	1655.6	A	-0.37
	2	61.4	57.4	36.9	77.9	A	0.59
	3	213	218.9	168	269.7	A	-0.35
	4	459.4	460.2	388.2	532.2	A	-0.03
Dust Wipes (ug)	1	112.3	125.1348	99.4	158.9	A	-1.70
	2	249.5	271.547	210.4	332.7	A	-1.08
	3	55.2	59.0183	38.4	79.7	A	-0.56
	4	509	561.9713	438.3	685.7	A	0.17

* Reference value is the mean of the reference laboratories
Upper limit: reference value + 3 standard deviations
Lower limit: reference value - 3 standard deviations
@ A: Analysis acceptable; -: Results not reported
H: Results > upper limit, L: Results < lower limit, not acceptable
& Z Score = (reported result-reference value)/standard deviation
Note: the acceptability of reported results is based on z-scores.
This is why a reported result may appear acceptable according to performance limits, but be identified as an outlier.

LABORATORY YEAR-TO-DATE PERFORMANCE REPORT
LAB ID=07054

SAMPLE TYPE	ROUND NO.	ROUND * PERFORMANCE	ACCUMULATED 4 ROUNDS(%)	PERFORMANCE 2 ROUNDS(%)	PROFICIENCY RATING #
Paint Chips (%)	020	4/4			
	021	4/4			
	022	4/4			
	023	4/4	16/16	100	8/8 100 P
Soil (mg/kg)	020	4/4			
	021	4/4			
	022	4/4			
	023	4/4	16/16	100	8/8 100 P
Dust Wipes (ug)	020	4/4			
	021	4/4			
	022	4/4			
	023	4/4	16/16	100	8/8 100 P

* The denominators represent the number of total samples analyzed.
The numerators represent the number of acceptable results.
P : Proficient NP: Nonproficient -: Not Rated
Performance ratings are based on accumulated results over four rounds (one year). A lab's performance in ground paint chips, soil, or dust wipes is rated proficient (P), if: 1) three-fourths (75%) or more of the accumulated results over four rounds are acceptable or 2) for the last two rounds, all samples are analyzed and the results are 100 % acceptable.

ENVIRONMENTAL LEAD PROFICIENCY ANALYTICAL TESTING (ELPAT) PROGRAM
INDIVIDUAL LABORATORY REPORT FOR ROUND 022
 LAB ID=07054 MARCH 18, 1998
 ATC ASSOCIATES, INC. NY, NEW YORK, NY 10010

SAMPLE TYPE	SAMPLE NO.	REPORTED RESULTS	REFERENCE VALUES *	ACCEPTABLE LOWER	RANGE # UPPER	LAB @ PERFORMANCE	Z & SCORE
Paint Chips (%)	1	1.4275	1.4607	1.2043	1.7171	A	-0.39
	2	0.086	0.0818	0.0628	0.1002	A	0.66
	3	4.2394	4.5632	3.6256	5.5009	A	-1.04
	4	0.6247	0.6454	0.5264	1.7645	A	-0.52
Soil (mg/kg)	1	351.6	360.8	292.3	429.4	A	-0.40
	2	76.8	73.2	49.7	96.7	A	0.46
	3	799.3	834.5	682.5	986.5	A	-0.69
	4	649.9	683.2	560	806.3	A	-0.81
Dust Wipes (ug)	1	531.6	565.9373	432.1	699.8	A	-0.77
	2	123.5	128.9551	94.1	163.8	A	-0.47
	3	272.6	272.0263	198.9	345.2	A	0.02
	4	863.1	895.2703	714.6	1076	A	-0.53

* Reference value is the mean of the reference laboratories
 # Upper limit: reference value + 3 standard deviations
 Lower limit: reference value - 3 standard deviations
 @ A: Analysis acceptable; -: Results not reported
 H: Results > upper limit, L: Results < lower limit, not acceptable
 & Z Score = (reported result-reference value)/standard deviation
 Note: the acceptability of reported results is based on z-scores.
 This is why a reported result may appear acceptable according to performance limits, but be identified as an outlier.
 =====

LABORATORY YEAR-TO-DATE PERFORMANCE REPORT
 LAB ID=07054

SAMPLE TYPE	ROUND NO.	ROUND * PERFORMANCE	ACCUMULATED 4 ROUNDS(%)	PERFORMANCE 2 ROUNDS(%)	PROFICIENCY RATING #
Paint Chips (%)	019	4/4			
	020	4/4			
	021	4/4			
	022	4/4	16/16	100	8/8 100 P
Soil (mg/kg)	020	4/4			
	021	4/4			
	022	4/4	12/12	100	8/8 100 P
Dust Wipes (ug)	019	4/4			
	020	4/4			
	021	4/4			
	022	4/4	16/16	100	8/8 100 P

* The denominators represent the number of total samples analyzed.
 The numerators represent the number of acceptable results.
 # P: Proficient NP: Nonproficient -: Not Rated
 Performance ratings are based on accumulated results over four rounds (one year). A lab's performance in ground paint chips, soil, or dust wipes is rated proficient (P), if: 1) three-fourths (75%) or more of the accumulated results over four rounds are acceptable or 2) for the last two rounds, all samples are analyzed and the results are 100 % acceptable.

ENVIRONMENTAL LEAD PROFICIENCY ANALYTICAL TESTING (ELPAT) PROGRAM
 INDIVIDUAL LABORATORY REPORT FOR ROUND 021
 LAB ID=07054 DECEMBER 16, 1997
 ATC ASSOCIATES, INC. NY, NEW YORK, NY 10010

SAMPLE TYPE	SAMPLE NO.	REPORTED RESULTS	REFERENCE VALUES *	ACCEPTABLE LOWER	RANGE # UPPER	LAB @ PERFORMANCE	Z & SCORE
Paint Chips (%)	1	1.0833	1.0578	0.864	1.2516	A	0.39
	2	0.0459	0.0452	0.0328	0.0575	A	0.17
	3	7.756	6.6414	4.5218	8.7609	A	1.58
	4	0.4999	0.5141	0.395	0.6332	A	-0.36
Soil (mg/kg)	1	459.6	463.5	387.3	539.7	A	-0.15
	2	846.9	830.8	675.6	985.9	A	0.31
	3	78.8	69.2	46.5	91.8	A	1.28
	4	342.4	347.2	262.2	432.3	A	-0.17
Dust Wipes (ug)	1	270.3	269.5319	198.4	340.7	A	0.03
	2	163.8	159.5374	111.5	207.5	A	0.27
	3	80.6	79.2462	53.9	104.6	A	0.16
	4	704.9	735.3033	592.8	877.8	A	-0.64

* Reference value is the mean of the reference laboratories
 # Upper limit: reference value + 3 standard deviations
 Lower limit: reference value - 3 standard deviations
 @ A: Analysis acceptable; -: Results not reported
 H: Results > upper limit, L: Results < lower limit, not acceptable
 % Z Score = (reported result-reference value)/standard deviation
 Note: the acceptability of reported results is based on z-scores.
 This is why a reported result may appear acceptable according to performance limits, but be identified as an outlier.

LABORATORY YEAR-TO-DATE PERFORMANCE REPORT
 LAB ID=07054

SAMPLE TYPE	ROUND NO.	ROUND * PERFORMANCE	ACCUMULATED 4 ROUNDS(%)	PERFORMANCE 2 ROUNDS(%)	PROFICIENCY RATING #
Paint Chips (%)	018	4/4			
	019	4/4			
	020	4/4			
	021	4/4	16/16	100	8/8 100 P
Soil (mg/kg)	020	4/4			
	021	4/4	8/8	100	8/8 100 P
Dust Wipes (ug)	018	4/4			
	019	4/4			
	020	4/4			
	021	4/4	16/16	100	8/8 100 P

* The denominators represent the number of total samples analyzed.
 The numerators represent the number of acceptable results.
 # P : Proficient NP: Nonproficient -: Not Rated
 Performance ratings are based on accumulated results over four rounds (one year). A lab's performance in ground paint chips, soil, or dust wipes is rated proficient (P), if: 1) three-fourths (75%) or more of the accumulated results over four rounds are acceptable or 2) for the last two rounds, all samples are analyzed and the results are 100 % acceptable.



THE AMERICAN INDUSTRIAL HYGIENE ASSOCIATION
is proud to acknowledge that

ATC Associates, Inc.

New York, NY

Laboratory ID# 7054

has fulfilled the requirements for the Environmental Lead Laboratory Accreditation Program and has earned distinguished recognition as an

AIHA ELLAP ACCREDITED LABORATORY

04/13/1998 - 04/13/2001

In the following matrices: Paint Soil Dust Air

This program is recognized by the EPA as meeting the requirements of the National Lead Laboratory Accreditation Program established under Title X of the Residential Lead-Based Paint Hazard Reduction Act of 1992 and includes paint soil and dust wipe analysis. Air analysis is not included as part of the NLLAP.


D. Jeff Burton, CH, PE, CSP
President, American Industrial Hygiene Association


Eric L. Botnick, Chair, Environmental
Lead Laboratory Accreditation Committee


Mark Puskar, Ph.D., Chair,
Analytical Accreditation Board

Appendix A: Letter to Tenants for Re-Occupation



The First Choice for Environmental Testing & Consulting

October 22, 2001

Gateway Plaza Management Corporation
375 South End Avenue
New York, New York 10280

Subject: **Gateway Plaza Building #100**

Gentlemen:

ALC Environmental Incorporated (ALC) has been retained to perform bulk sampling, visual assessments & air monitoring according to the *EPA Protocol* to determine the presence of asbestos at the above referenced project. Every apartment in the building was assessed by our inspectors for dust and debris. Any area where visible dust and debris was found, ALC's inspectors took a bulk sample, which was then sent to a third party independent laboratory for analysis. In most cases there was insufficient debris to sample and a visual assessment only was performed. Additionally, air sampling was performed using TEM Methodology on every floor in the building.

Eight (8) initial background air samples were collected and analyzed at building 100. Eight (8) were analyzed via phase contrast microscopy (PCM) and five (5) were analyzed via transmission electron microscopy (TEM). **After analysis via TEM, all were below the permissible limits.**

Based on EPA Guidelines, we collected forty (40) bulk samples and analyzed them via Polarized Light Microscopy (PLM) Methodology. **Zero (0)** were found to be above the regulatory limits

ALC then collected air samples on every floor in the building. The air sampling and analysis was done utilizing applicable Federal, State and City Regulations pertaining to asbestos to include Federal OSHA (29 CFR 1926.58) EPA NESHAPS (40 CFR PART 61), AND TSCA TITLE II AHERA/ASHARA (40 CFR PART 763) Asbestos Regulations; the New York State Department of Labor Industrial Code Rule 56 and the New York City Department of Environmental Protection Title 15 Asbestos Regulations.

Twenty-nine (29) air samples were collected and analyzed via TEM Methodology. **The results indicated that the living areas achieved the acceptance criteria below <70 structures per mm² set by the above regulations.**

115 West 30th Street • 11th Floor • New York, New York 10001 • 212.279.1001 • 888.466.3620 • Fax: 212.279.6747

Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9499 • 888.789.8378 • Fax: 215.732.9559

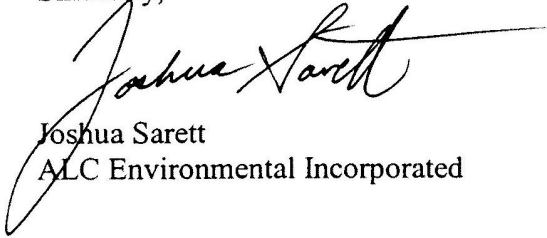
www.ALCEnvironmental.com

ATC Associates (ELAP #10879) analyzed the samples using the Polar Light Microscopy (PLM) Methodology and the Transmission Electron Microscopy (TEM) Methodology.

The air samples were collected by licensed and qualified personnel.

Tenants may re-occupy their apartments at the present time.

Sincerely,



Joshua Sarett
ALC Environmental Incorporated