

DEP

Date: October 22, 2001

Visual Assessment, Bulk Sampling & Air Monitoring Report:

Gateway Plaza Project: 385 South End Avenue
Building #500

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

**ENVIRONMENTAL
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Appendix A: Letter to Tenants for Re-Occupation

1.0 Introduction

October 19, 2001

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

Subject: **Gateway Plaza Building #500**

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, 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."

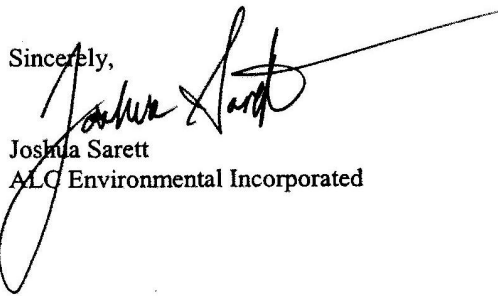
ALC is licensed to perform asbestos activities by the State of New York Department of Labor (License # 00-0358). ALC employs only certified asbestos personnel to perform required tasks. The following personnel were used to perform asbestos air monitoring and/or asbestos inspections.

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) and A.B. Blake a licensed sampling technician (AH 01-03528). 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 500. Four (4) 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-six (46) bulk samples and analyzed them via Polarized Light Microscopy (PLM) Methodology. **Zero (0)** were found to be above the regulatory limits.

Thirty-five (35) 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 212.353.8306

October 8, 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 four PCM air samples from our Group No. 5635:

Client: Mid-State
Project Name: 385 South End Ave., Bldg. 500
Location: Various Apts.
Samples received: 10/08/01

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.

Only non-asbestos structures were detected in the samples in the following proportions:

sample	gypsum	cellulose	F/CC as Asbestos
1	100.0%	0.0%	0.0
3	100.0%	0.0%	0.0
5	0.0%	100.0%	0.0
6	42.6%	57.4%	0.0

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



104 East 25th Street
New York, New York 10010
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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

107-

Asbestos Air Sampling Data Form

Client: Mid-State Date: 9-27-01

Sampled By: A. Rodriguez Jr. Rotometer #: 60583-60586

Work Area: 385 Southern Ave. Bldg. 500 - Various Apts. - Cassette Room #12

Sample #	Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/cc)
				Start	Stop		Start	Stop			
1		Apt # <u>PI</u> Living Rm. ✓	4	1030	1130	60	10.0	10.0	600	21/100	0.017
2		Apt # <u>PI</u> Living Rm. ✓	4	1031	1131	60	10.0	10.0	600	14/100	0.010
3		Apt # <u>PI</u> Living Rm. No	4	1032	1132	60	10.0	10.0	600	15/100	0.012
4		Apt # <u>PI</u> Living Rm. ✓	4	1330	1430	60	10.0	10.0	600	11.5/100	0.009
5		Apt # <u>PI</u> Living Rm. No	4	1331	1431	60	10.0	10.0	600	14/100	0.011
6		Apt # <u>PI</u> Living Rm. No	4	1332	1432	60	10.0	10.0	600	20/100	0.016
7		Apt # <u>PI</u> Living Rm. ?	4	1500	1600	60	10.0	10.0	600	8/100	<0.008
8		Apt # <u>PI</u> Living Rm. ✓	4	1501	1601	60	10.0	10.0	600	7/100	<0.008

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Quasi-NC

Analysis: ☐ TEM/AFM/EDS ☐ TEM/AFM/EDS ☐ TEM/AFM/EDS

Relinquished Analylist: Michael J. Rodriguez Date/Time: 09/27/01 14:55

Received: ATC LAB Date/Time: 09/26/01 18:00

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

10/9/01 11:20 AM



Batch #6379

The First Choice for Environmental Testing & Consulting

FROM : HEINZ

PHONE NO. : 7184645936

Sep. 27 2001 06:58PM P3



Batch
#6379

The First Choice for Environmental Testing & Consulting

Asbestos Air Sampling Data Form

Client: Mid State Date: 9-27-01
 Sampled By: A. K. [Signature] Rotometer #: 1972
 Work Area: 365 Southern Ave. Bldg. 300 - Various Apts Project #: Cassette-2010-1972

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (Ucc)
			Start	Stop		Start	Stop			
9	Apt 4 - Living Rm	4	1502	1607	60	10.0	10.0	600	6/100	<0.008
10	Bldg 300 - Living Rm	4	1615	1715	60	10.0	10.0	600	9/100	<0.008
11	Bldg 300 - Living Rm	4	1616	1716	60	10.0	10.0	600	7/100	<0.008
12	Bldg 300 - Apt 4 - Living Rm	4	1617	1717	60	10.0	10.0	600	10/100	0.008
13	Field Blank								0/100	-
14	Field Blank								0/100	-

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. JPL-400
 Analysis: ☐ TEM AHERA ☒ TEM Phase-Contrast ☒ PCM NIOSH 7400
 Relinquished Analylist: [Signature] Date/Time: 09/27/01 18:45
 Received: AFC LAB Date/Time: 09/27/01 18:15
 Disposal By/Date: [Signature]

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7.13 Bulk Sampling Results

ALC Environmental Inc.



3000

ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10 / 05 / 01

PROJECT NAME: Letrak - Organization
PROPERTY ADDRESS: Building 500 - 385 South End Avenue

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

Home Area	Sample #	Material	Sample Location/Description	Quantity	% Asbestos
1	# 1	Misc	livingrm - window		
	2		livingrm - window		
	3		livingrm - window		
	4		livingrm - window		
	5		Bedrm - floor		
	6		livingrm - window		
	7		livingrm - window		
	8		livingrm - window		
	9		livingrm - window		
	10		livingrm - window		
	11		livingrm - window		
	12		livingrm - window		
	13		livingrm - window		
	14		livingrm - window		
	15		livingrm - window		
	16		livingrm - window		
	17		livingrm - window		
	18		Bedrm 1 - window		
	19		Bedrm 1 - window		
	20		DK - livingrm - window		

PII

Field Comments:

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

46 PM

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ALC Environmental Inc.



3050

ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10, 5, 01

PROJECT NAME: Midstate
PROJECT ADDRESS: Building 500 - 385 South End Avenue

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

Home Area	Sample #	Material	Sample Location/Description	Quantity	% Asbestos
1	21	MISC	- livingrm - floor		
	22		- livingrm - window		
	23		- livingrm - window		
	24		- livingrm - window		
	25		- Bedrm - window		
	26		- livingrm - window		
	27		- livingrm - window		
	28		- Bedrm - floor		
	29		- livingrm - floor		
	30		- livingrm - window		
	31		- livingrm - window		
	32		- Bedrm2 - window		
	33		- livingrm - floor		
	34		- livingrm - window		
	35		- Bedrm2 - window		
	36		- livingrm - window		
	37		- livingrm - floor		
	38		- Bedrm2 - window		
	39		- Bedrm1 - window		
	40		- Bedrm2 - window		

PII

Field Comments:

Relinquished by: A.R. Blake Date: 10-5-01
Received by: Mr Date: 10/16/01
Laboratory Name: ATC



3016

DATE OF SAMPLING:

DATE OF SAMPLING: 10 / 5 / 01

REFLECT NAME:

PROJECT ADDRESS: 388 Southend Ave - Bldg. 500

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

[illegible]

Laboratory Name:

A. R. Blake

Op

AIC

Date:

Date:

10-5-0

10/6/0

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

FLAP 10850
FLAP 101127

Microscope OLYP BH-2

Client / Project

3649 5-60

Project No.

Analysis Date

10/6/01

Analyst 471 WMB

Batch No.

305-0

Batch No. 703

Field No.	Sterenscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color <u>Trans</u> Homogeneity <u>X</u> # of Layers _____ Color of Layer _____ Color of Layer _____ Comments: _____	Morphology _____ RI <u>RII</u> DS Color _____ Biref _____	Clay/oxide _____ Amosite _____ Other _____	Cellulose _____ Fiberglass _____ Other _____	Mineral Filler _____ Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
Gravimetric (HOB) Required	☐					
Recommended	☐					
Gravimetric PPEP	☐					
Gravimetric (HOB) PLM	☐					
Gravimetric (HOB) LEA	☐					

Method: ☐ NIP + SN ☐ DIP ☐ TM ☐ Other

TAILING (PPEP) ☐ PLM ☐ LEA

ANALYST: 20010
 RESULTS: 10 MAY 1986

2	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color <u>tan</u>	Morphology <u>wt</u>	<u>77</u> Chrysotile	<u>20</u> Cellulose	<u>50</u> Mineral Filler	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
		Transparency <u>Y</u>	RI <u>1.52</u>	Anisotropy _____	<u>30</u> Fiberglass	Organic Binders _____	
		# of Layers <u>6</u>	DS Color <u>white</u>	Other _____	Other _____	Vermiculite _____	
		Color of Layer _____	Sign <u>+</u>			Other _____	
			Detected Yes ☒ No ☐			Other _____	
		Comments:					
		Method: ☒ EMP + 120° ☐ EMP ☐ EMP ☐ EMP	Scanning Electron: ☐ EMP (P.C. 30 kV)	Field 9 pers. Asbestos + 0			
		Print Count _____					
		Results on this page _____					

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravelite (NOB) Results %
3	Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>—</u>	Morphology <u>lath</u> RI <u>1.53</u> DS Color <u>white</u> Biref <u>+</u> Texture <u>—</u> Asbestos <u>X</u> Detected Yes ☒ No ☐	Chrysotile <u>0.5</u> Amosite <u>0.25</u> Other <u>—</u>	Cellulose <u>0.25</u> Fiberglass <u>30</u> Other <u>—</u>	Mineral Filler <u>60</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
Comments: <u>Q.C.</u>						
Method: ☒ 110° x 100° ☐ 100° x 100° ☐ 100° x 50° ☐ 50° x 50° ☐ 50° x 25° ☐ 25° x 25° ☐ 25° x 10° ☐ 10° x 10° ☐ 10° x 5° ☐ 5° x 5° ☐ 5° x 2.5° ☐ 2.5° x 2.5° ☐ 2.5° x 1.25° ☐ 1.25° x 1.25° ☐ 1.25° x 0.625° ☐ 0.625° x 0.625° ☐ 0.625° x 0.3125° ☐ 0.3125° x 0.3125° ☐ 0.3125° x 0.15625° ☐ 0.15625° x 0.15625° ☐ 0.15625° x 0.078125° ☐ 0.078125° x 0.078125° ☐ 0.078125° x 0.0390625° ☐ 0.0390625° x 0.0390625° ☐ 0.0390625° x 0.01953125° ☐ 0.01953125° x 0.01953125° ☐ 0.01953125° x 0.009765625° ☐ 0.009765625° x 0.009765625° ☐ 0.009765625° x 0.0048828125° ☐ 0.0048828125° x 0.0048828125° ☐ 0.0048828125° x 0.00244140625° ☐ 0.00244140625° x 0.00244140625° ☐ 0.00244140625° x 0.001220703125° ☐ 0.001220703125° x 0.001220703125° ☐ 0.001220703125° x 0.0006103515625° ☐ 0.0006103515625° x 0.0006103515625° ☐ 0.0006103515625° x 0.00030517578125° ☐ 0.00030517578125° x 0.00030517578125° ☐ 0.00030517578125° x 0.000152587890625° ☐ 0.000152587890625° x 0.000152587890625° ☐ 0.000152587890625° x 0.0000762939453125° ☐ 0.0000762939453125° x 0.0000762939453125° ☐ 0.0000762939453125° x 0.00003814697265625° ☐ 0.00003814697265625° x 0.00003814697265625° ☐ 0.00003814697265625° x 0.000019073486328125° ☐ 0.000019073486328125° x 0.000019073486328125° ☐ 0.000019073486328125° x 0.0000095367431640625° ☐ 0.0000095367431640625° x 0.0000095367431640625° ☐ 0.0000095367431640625° x 0.00000476837158203125° ☐ 0.00000476837158203125° x 0.00000476837158203125° ☐ 0.00000476837158203125° x 0.000002384185791015625° ☐ 0.000002384185791015625° x 0.000002384185791015625° ☐ 0.000002384185791015625° x 0.0000011920928955078125° ☐ 0.0000011920928955078125° x 0.0000011920928955078125° ☐ 0.0000011920928955078125° x 0.00000059604644775390625° ☐ 0.00000059604644775390625° x 0.00000059604644775390625° ☐ 0.00000059604644775390625° x 0.000000298023223876953125° ☐ 0.000000298023223876953125° x 0.000000298023223876953125° ☐ 0.000000298023223876953125° x 0.0000001490116119384765625° ☐ 0.0000001490116119384765625° x 0.0000001490116119384765625° ☐ 0.0000001490116119384765625° x 0.00000007450580596923828125° ☐ 0.00000007450580596923828125° x 0.00000007450580596923828125° ☐ 0.00000007450580596923828125° x 0.000000037252902984619140625° ☐ 0.000000037252902984619140625° x 0.000000037252902984619140625° ☐ 0.000000037252902984619140625° x 0.0000000186264514923095703125° ☐ 0.0000000186264514923095703125° x 0.0000000186264514923095703125° ☐ 0.0000000186264514923095703125° x 0.00000000931322574615478515625° ☐ 0.00000000931322574615478515625° x 0.00000000931322574615478515625° ☐ 0.00000000931322574615478515625° x 0.000000004656612873077392578125° ☐ 0.000000004656612873077392578125° x 0.000000004656612873077392578125° ☐ 0.000000004656612873077392578125° x 0.0000000023283064365386962890625° ☐ 0.0000000023283064365386962890625° x 0.0000000023283064365386962890625° ☐ 0.0000000023283064365386962890625° x 0.00000000116415321826934814453125° ☐ 0.00000000116415321826934814453125° x 0.00000000116415321826934814453125° ☐ 0.00000000116415321826934814453125° x 0.000000000582076609134674072265625° ☐ 0.000000000582076609134674072265625° x 0.000000000582076609134674072265625° ☐ 0.000000000582076609134674072265625° x 0.0000000002910383045673370361328125° ☐ 0.0000000002910383045673370361328125° x 0.0000000002910383045673370361328125° ☐ 0.0000000002910383045673370361						

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
4	Color: <u>Gray</u> Homogeneity: <u>X</u> # of Layers: <u>2</u> Color of Layer: <u>—</u> Textured: <u>Yes</u> Asbestos: <u>Yes</u> Retained: <u>Yes</u>	Morphology: <u>LB</u> RI: <u>1.5</u> DS Color: <u>Colorless</u> Birefr: <u>—</u>	Chrysotile: <u>100</u> Amphibole: <u>—</u> Other: <u>—</u>	Cellulose: <u>15</u> Fiberglass: <u>30</u> Other: <u>—</u>	Mineral Fiber: <u>—</u> Organic Binders: <u>—</u> Vermiculite: <u>—</u> Other: <u>—</u>	Organic: <u>—</u> Rustic: <u>—</u> Carbunite: <u>—</u> Other: <u>—</u> Asbestos: <u>—</u>
Comments: <u>—</u> Method: <u>100x</u> <u>200x</u> <u>400x</u> <u>600x</u> <u>800x</u> <u>1000x</u> <u>1200x</u> <u>1500x</u> <u>2000x</u> <u>2500x</u> <u>3000x</u> <u>3500x</u> <u>4000x</u> <u>4500x</u> <u>5000x</u> <u>5500x</u> <u>6000x</u> <u>6500x</u> <u>7000x</u> <u>7500x</u> <u>8000x</u> <u>8500x</u> <u>9000x</u> <u>9500x</u> <u>10000x</u>						

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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ELAP 19879
CYLAP 101481

2184 DA 10 403503171

Client / Project

Project No.

Analysis Date

Analysis

Batch No.

305-0

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (MOB) Results %
5	Color <u>tan</u> Homogeneity <u>4</u> # of Layers Color of Layer	Morphology <u>W</u> RI <u>1.5</u> OS Color <u>W</u> Extinction <u>4</u> RI <u>1.5</u> Color/Rel <u>4</u> Sign <u>+</u>	<u>100</u> Chrysotile <u>0</u> Amosite <u>0</u> Other	<u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	<u>50</u> Mineral Fiber <u>0</u> Organic <u>0</u> Vermiculite <u>0</u> Other	Organic Residue Carbonate Other Asbestos
Comments:						
Method: ☒ 100x ☐ 150x ☐ 200x ☐ 250x ☐ 300x ☐ 350x ☐ 400x ☐ 450x ☐ 500x ☐ 550x ☐ 600x ☐ 650x ☐ 700x ☐ 750x ☐ 800x ☐ 850x ☐ 900x ☐ 950x ☐ 1000x						

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
2	Color <u>Tan</u> Homogeneity <u>X</u> # of Layers <u>7</u>	Texture <u>F</u> Asbestos ☒ Detected Yes No ☒ ☐	Nomorphology <u>W-L</u> RII <u>var</u> US Color <u>var</u> Sign <u>P</u>	Chrysotile <u>0.5</u> Amosite _____ Other _____	Minsal Fiber <u>50</u> Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Fibrous _____ Carbonate _____ Other _____ Asbestos _____
Gravimetric # (OB)	Required					
Gravimetric PNEP						
Gravimetric # (OB) PLM						
Gravimetric # (OB) TEM						
Comments:						
Method: ☒ EMP ☒ OMP ☒ OMAS ☐ XRD ☐ IIR ☐ IR ☐ ADRS = 0						
FOUR FOR THE FILE						

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLMA %	Other Fibrous %	Non Fibrous %	Graimetric (HOB) Results %
3	Color <u>Tan</u> Homogeneity <u>X</u> # of Layers Colors of Layer	texture <u>f</u> Asbestos <u>+</u> Detected Yes No	Morphology <u>wf</u> RI I <u>wf</u> DS Color <u>went</u> Birel <u>I</u>	Extinction RI II <u>wf</u> Color, Pleo <u>wf</u> Syn	Chrysotile 0.5 Amosite Other	Mineral Filler Organic Binders Vermiculite Other Asbestos
	Comments:					
	No HOB #100-100' 100' 100' 100'					
	No HOB #100-100' 100' 100' 100'					

Field No.	Stereoscopic Exam	FLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Graumatic (HOB) Results %
8	Color <u>tan</u> Homogeneity <u>X</u> # of Layers Color of layer	Texture <u>P</u> ☒ Asbestos ☐ Delected	Morphology <u>Lvs</u> Extinction <u>II</u> RI <u>1.57</u> DS Color <u>w/r</u> Polar Phase <u>C</u> Biref <u>I</u>	Fiber Chrysotile <u>70</u> Amosite <u>50</u> Others	Mineral Filler <u>30</u> Organic Binders Vermiculite Other	Organic Residue Carbonate Other Asbestos
	Comments:					
	Method: ☐ EMP + IN ☐ XRD ☐ IR ☐ SEM ☐ Scanning Electron Micro (P.C.) ☐ RFA ☐ RFA + EPR Subst. = 0					
	Four counts					

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NYC AP 101101

ELAY 10478

PAICOCOSCOPE DLYP BIL 2

Client / Project

Project No.

Analysis Date

Batch No.

305-0

Batch No 5030

Field No.	Stereoscopic Exam	PLW Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gavinetic (NOB) Results %
1	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
2	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
3	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
4	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
5	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
6	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
7	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
8	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
9	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
10	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
11	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>	Extinction RI II <u>wt</u> Color/Place <u>wt</u> Sign <u>h</u>	Chrysotile <u>0.5</u> Amosite <u>—</u> Other <u>—</u>	Mineral Fiber <u>5</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
12	Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>4</u> Color of 1st layer <u>—</u>	Morphology <u>wt</u> RI I <u>wt</u> DS Color <u>wt</u> Biref <u>—</u>				

Z	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non-Fibrous %	Graohmetric (HNB) Results %
	10	Color <u>tan</u> Homogeneity <u>X</u> <u>8</u> of Layers Color of Layer _____ Detected Yes No	Morphology _____ RI _____ US Color _____ Sign _____	Clinysable _____ Amesite _____ Other _____	Cellulose _____ Fiberglass _____ Other _____	Mineral Filler _____ Organic Binders _____ Vermiculite _____ Others _____	Organic _____ Resins _____ Carbonate _____ Other _____ Asbestins _____
Comments:							
Method: ☐ 110° / 110°' ☒ 90° / 90°' ☐ 170° / 170°'							
Karlens Control: ☒ 110° / 110°' ☐ 90° / 90°' ☐ 170° / 170°' Asbestos = 0							
PAINT EQUIP RESULTS ON THE BACK							

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Oilier Fibrous %	Non Fibrous %	Gravimetric (% NOB)
3	(1) Color <u>Tan</u> Homogeneity <u>X</u> # of Layers Color of Layer	Morphology <u>wf</u> <u>R1</u> US Color <u>Cobalt Blue</u> Birefr <u>Sign</u>	Extinction <u>11</u> <u>N II</u> <u>Cobalt Blue</u> <u>Sign</u>	Cellulose <u>15</u> Fiberglass <u>10</u> Other	Mineral Filler <u>85</u> Organic Binders Vermiculite Other	Results % Organic Residue Carbonate Other / Asbestos
Comments:						
Method: ☐ RPS / RPA ☐ QIR ☐ QUA ☐ Other ☐						
Sealing Certificate: BUREAU OF THE ARMY ☐ PHS & PREP. ASBESTOS = 0						
Pack count						

Field No. (V)	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
4	Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>2</u> Color of Layer <u>—</u>	Morphology <u>—</u> RI <u>—</u> OS Color <u>—</u> Biref <u>—</u>	<u>0.25</u> Chrysotile <u>—</u> Amosite <u>—</u> Other	<u>9.35</u> Cellulose <u>3.0</u> Fiberglass <u>—</u> Other	<u>6.2</u> Mineral Fiber <u>—</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other	<u>—</u> Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos
	Comments: <u>—</u> Method: <u>—</u>	Textured <u>F</u> Asbestos <u>Y</u> Detected <u>—</u>	First prep. asbestos = <u>0</u>			

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NYAP 101187

80AP 00078

Microscope OLYMP 811.2

Client / Project

ALC / LeFrak Bldg 500

Project No.

3050

Analysis Date

10/6/01 Analyst gpa

Batch No.

3050

Field No. 13	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color	Texture	Morphology	Extinction RI II	Chrysotile	Cellulose	Mineral Filler	Organic
Recommended	Homogeneity	Asbestos	RI II	Color/PIII	Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color/PIII	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEM	Comments:							Asbestos
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x	Scanning Electron Microscopy (SEM) ☐ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x							

Field No. 14	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color	Texture	Morphology	Extinction RI II	Chrysotile	Cellulose	Mineral Filler	Organic
Recommended	Homogeneity	Asbestos	RI II	Color/PIII	Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color/PIII	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEM	Comments:							Asbestos
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x	Scanning Electron Microscopy (SEM) ☐ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x							

Field No. 15	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color	Texture	Morphology	Extinction RI II	Chrysotile	Cellulose	Mineral Filler	Organic
Recommended	Homogeneity	Asbestos	RI II	Color/PIII	Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color/PIII	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEM	Comments:							Asbestos
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x	Scanning Electron Microscopy (SEM) ☐ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x							

Field No. 16	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Gravimetric (HOB) Required	Color	Texture	Morphology	Extinction RI II	Chrysotile	Cellulose	Mineral Filler	Organic
Recommended	Homogeneity	Asbestos	RI II	Color/PIII	Amosite	Fiberglass	Organic Binders	Residue
Gravimetric PREP	# of Layers	Detected Yes No	DS Color	Color/PIII	Other	Other	Vermiculite	Carbonate
Gravimetric (HOB) PLM	Color of Layer		Biref	Sign			Other	Other
Gravimetric (HOB) TEM	Comments:							Asbestos
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x	Scanning Electron Microscopy (SEM) ☐ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x							

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NYLAP 191101
SLAP 18018

Microscope OLVP 8117

Client / Project ALC / Lefrak Bldg 500 Project No. 3050
Analysis Date 10/6/01 Analyst gpa / maw Batch No. 3050

1	Field No. <u>17</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % <u>100</u> Chrysotile <u>0</u> Anorthite <u>0</u> Other	Other Fibrous % <u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>50</u> Mineral Filler <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
		Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>See notes</u>	Texture <u>F</u> Asbestos <u>0</u> Detected Yes <u>0</u> No <u>1</u>	Morphology RI <u>1</u> DS Color <u>tan</u> Birefr <u>0</u>	Extinction RI <u>1</u> Color, Pleo <u>0</u> Sign <u>0</u>				
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 250x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 4000x ☐ 5000x ☐ 6000x ☐ 7000x ☐ 8000x ☐ 9000x ☐ 10000x									

2	Field No. <u>18</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % <u>100</u> Chrysotile <u>0</u> Anorthite <u>0</u> Other	Other Fibrous % <u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>50</u> Mineral Filler <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
		Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>See notes</u>	Texture <u>F</u> Asbestos <u>0</u> Detected Yes <u>0</u> No <u>1</u>	Morphology RI <u>1</u> DS Color <u>tan</u> Birefr <u>0</u>	Extinction RI <u>1</u> Color, Pleo <u>0</u> Sign <u>0</u>				
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 250x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 4000x ☐ 5000x ☐ 6000x ☐ 7000x ☐ 8000x ☐ 9000x ☐ 10000x									

3	Field No. <u>19</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % <u>100</u> Chrysotile <u>0</u> Anorthite <u>0</u> Other	Other Fibrous % <u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>50</u> Mineral Filler <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
		Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>See notes</u>	Texture <u>F</u> Asbestos <u>0</u> Detected Yes <u>0</u> No <u>1</u>	Morphology RI <u>1</u> DS Color <u>tan</u> Birefr <u>0</u>	Extinction RI <u>1</u> Color, Pleo <u>0</u> Sign <u>0</u>				
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 250x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 4000x ☐ 5000x ☐ 6000x ☐ 7000x ☐ 8000x ☐ 9000x ☐ 10000x									

4	Field No. <u>20</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM % <u>100</u> Chrysotile <u>0</u> Anorthite <u>0</u> Other	Other Fibrous % <u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>50</u> Mineral Filler <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
		Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>See notes</u>	Texture <u>F</u> Asbestos <u>0</u> Detected Yes <u>0</u> No <u>1</u>	Morphology RI <u>1</u> DS Color <u>tan</u> Birefr <u>0</u>	Extinction RI <u>1</u> Color, Pleo <u>0</u> Sign <u>0</u>				
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x ☐ 120x ☐ 150x ☐ 200x ☐ 250x ☐ 300x ☐ 400x ☐ 500x ☐ 600x ☐ 700x ☐ 800x ☐ 900x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 4000x ☐ 5000x ☐ 6000x ☐ 7000x ☐ 8000x ☐ 9000x ☐ 10000x									

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1001 2001

PLATE 10

Alcoholism 01 YP 814-7

Client / Project

#7C / 60% VCRS Bldg \$50

Project No.

Analysis Date

Analysis

Batch No. 5050

[illegible]

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NYLAP 10/18/01
ELAP 10/18/01

Microscopic OLYMP BUI.2

Client / Project ALC / Lefrak Bldg 500 Project No. 3050
Analysis Date 10/6/01 Analyst gpa / mms Batch No. 3050

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color <u>tan</u> Homogeneity <u>at</u> # of Layers <u>4</u> Color of Layer <u>---</u> Detected <u>Yes</u> ☒ No ☐	Morphology <u>WF</u> RI I <u>---</u> DS Color <u>---</u> RI II <u>---</u> Color, Pico <u>---</u> Sign <u>---</u>	Chrysotile <u>---</u> Amosite <u>---</u> Other <u>---</u>	Cellulose <u>15</u> Fiberglass <u>25</u> Other <u>---</u>	Mineral Filler <u>60</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
Comments: <u>---</u> Method: ☒ NYLAP ☐ ELAP ☐ PLM ☐ OLYMP ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SOP) ☐ PART 4 prep. Asbestos = 0						
2	Color <u>tan</u> Homogeneity <u>at</u> # of Layers <u>4</u> Color of Layer <u>---</u> Detected <u>Yes</u> ☒ No ☐	Morphology <u>WF</u> RI I <u>---</u> DS Color <u>---</u> RI II <u>---</u> Color, Pico <u>---</u> Sign <u>---</u>	Chrysotile <u>---</u> Amosite <u>---</u> Other <u>---</u>	Cellulose <u>20</u> Fiberglass <u>25</u> Other <u>---</u>	Mineral Filler <u>55</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
Comments: <u>---</u> Method: ☒ NYLAP ☐ ELAP ☐ PLM ☐ OLYMP ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SOP) ☐ PART 4 prep. Asbestos = 0						
3	Color <u>tan</u> Homogeneity <u>at</u> # of Layers <u>4</u> Color of Layer <u>---</u> Detected <u>Yes</u> ☒ No ☐	Morphology <u>WF</u> RI I <u>---</u> DS Color <u>---</u> RI II <u>---</u> Color, Pico <u>---</u> Sign <u>---</u>	Chrysotile <u>---</u> Amosite <u>---</u> Other <u>---</u>	Cellulose <u>20</u> Fiberglass <u>25</u> Other <u>---</u>	Mineral Filler <u>45</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
Comments: <u>---</u> Method: ☒ NYLAP ☐ ELAP ☐ PLM ☐ OLYMP ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SOP) ☐ PART 4 prep. Asbestos = 0						
4	Color <u>tan</u> Homogeneity <u>at</u> # of Layers <u>4</u> Color of Layer <u>---</u> Detected <u>Yes</u> ☒ No ☐	Morphology <u>WF</u> RI I <u>---</u> DS Color <u>---</u> RI II <u>---</u> Color, Pico <u>---</u> Sign <u>---</u>	Chrysotile <u>---</u> Amosite <u>---</u> Other <u>---</u>	Cellulose <u>20</u> Fiberglass <u>25</u> Other <u>---</u>	Mineral Filler <u>55</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
Comments: <u>---</u> Method: ☒ NYLAP ☐ ELAP ☐ PLM ☐ OLYMP ☐ OTHER ☐ SCANNING OPTICAL MICROSCOPY (SOP) ☐ PART 4 prep. Asbestos = 0						

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NYCAP 105187
ELAP 10879

Microscope OLYMP BH-2

Client / Project ALC / LeFrak Bldg 500 Project No. 3050
Analysis Date 10/6/01 Analyst gpa / mmw Batch No. 3050

1	Field No. <u>30</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>WZ</u> RI <u>1.5</u> DS Color <u>tan</u> Biref <u>L</u> Sign <u>+</u>	Asbestos Results PLM % <u>0%</u> Chrysotile <u>0%</u> Amosite <u>0%</u> Other	Other Fibrous % <u>14.5</u> Cellulose <u>25</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>60</u> Mineral Fiber <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
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2	Field No. <u>30</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>WZ</u> RI <u>1.5</u> DS Color <u>tan</u> Biref <u>L</u> Sign <u>+</u>	Asbestos Results PLM % <u>0%</u> Chrysotile <u>0%</u> Amosite <u>0%</u> Other	Other Fibrous % <u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>50</u> Mineral Fiber <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
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3	Field No. <u>31</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>WZ</u> RI <u>1.5</u> DS Color <u>tan</u> Biref <u>L</u> Sign <u>+</u>	Asbestos Results PLM % <u>0%</u> Chrysotile <u>0%</u> Amosite <u>0%</u> Other	Other Fibrous % <u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>50</u> Mineral Fiber <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
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4	Field No. <u>32</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>X</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments:	PLM Optical Properties Morphology <u>WZ</u> RI <u>1.5</u> DS Color <u>tan</u> Biref <u>L</u> Sign <u>+</u>	Asbestos Results PLM % <u>0%</u> Chrysotile <u>0%</u> Amosite <u>0%</u> Other	Other Fibrous % <u>20</u> Cellulose <u>30</u> Fiberglass <u>0</u> Other	Non Fibrous % <u>50</u> Mineral Fiber <u>0</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other	Gravimetric (HOB) Results % <u>0</u> Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos
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NYLAP 101192

ELAP 10879

Microscope OLYMP BH-2

Client/Project ALC / Lefrak Bldg 500Project No. 3050Analysis Date 10/6/01 Analyst grBatch No. 3050

1	Field No. <u>33</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>—</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fib</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>—</u>	PLM Optical Properties Morphology <u>fib</u> RI <u>1.51</u> DS Color <u>gray</u> Birefr <u>—</u> Sign <u>—</u>	Asbestos Results PLM % Chrysotile <u>12</u> Amosite <u>78</u> Other <u>—</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>38</u> Other <u>—</u>	Non Fibrous % Mineral Filler <u>32</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Gravimetric (MOB) Results % Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
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2	Field No. <u>34</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>—</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fib</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>—</u>	PLM Optical Properties Morphology <u>fib</u> RI <u>1.51</u> DS Color <u>gray</u> Birefr <u>—</u> Sign <u>—</u>	Asbestos Results PLM % Chrysotile <u>12</u> Amosite <u>78</u> Other <u>—</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>38</u> Other <u>—</u>	Non Fibrous % Mineral Filler <u>32</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Gravimetric (MOB) Results % Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
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3	Field No. <u>35</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>—</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fib</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>—</u>	PLM Optical Properties Morphology <u>fib</u> RI <u>1.51</u> DS Color <u>gray</u> Birefr <u>—</u> Sign <u>—</u>	Asbestos Results PLM % Chrysotile <u>12</u> Amosite <u>78</u> Other <u>—</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>38</u> Other <u>—</u>	Non Fibrous % Mineral Filler <u>32</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Gravimetric (MOB) Results % Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
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4	Field No. <u>36</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>—</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fib</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>—</u>	PLM Optical Properties Morphology <u>fib</u> RI <u>1.51</u> DS Color <u>gray</u> Birefr <u>—</u> Sign <u>—</u>	Asbestos Results PLM % Chrysotile <u>12</u> Amosite <u>78</u> Other <u>—</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>38</u> Other <u>—</u>	Non Fibrous % Mineral Filler <u>32</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Gravimetric (MOB) Results % Organic <u>—</u> Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
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NYLAP 10/15/99

ELAP 10/16/99

Microscope OLYMPUS-B12

Client / Project

ALC / Lefrak Bldg 500

Project No.

3050

Analysis Date

10/6/01

Analyst

gpc/lwb

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color: Tan Homogeneity: X # of Layers: 1 Color of Layer: — Comments: —	Morphology: wavy RI I: — DS Color: — Biref: — Sign: —	Chrysotile: 75 Amosite: — Other: —	Cellulose: 20 Fiberglass: 35 Other: —	Mineral Filler: 45 Organic Binders: — Vermiculite: — Other: —	Organic: — Residue: — Carbonate: — Other: — Asbestos: —
2	Color: Tan Homogeneity: X # of Layers: 1 Color of Layer: — Comments: —	Morphology: wavy RI I: — DS Color: — Biref: — Sign: —	Chrysotile: 75 Amosite: — Other: —	Cellulose: 25 Fiberglass: 30 Other: —	Mineral Filler: 45 Organic Binders: — Vermiculite: — Other: —	Organic: — Residue: — Carbonate: — Other: — Asbestos: —
3	Color: Tan Homogeneity: X # of Layers: 1 Color of Layer: — Comments: —	Morphology: wavy RI I: — DS Color: — Biref: — Sign: —	Chrysotile: 75 Amosite: — Other: —	Cellulose: 25 Fiberglass: 30 Other: —	Mineral Filler: 45 Organic Binders: — Vermiculite: — Other: —	Organic: — Residue: — Carbonate: — Other: — Asbestos: —
4	Color: Tan Homogeneity: X # of Layers: 1 Color of Layer: — Comments: —	Morphology: wavy RI I: — DS Color: — Biref: — Sign: —	Chrysotile: 75 Amosite: — Other: —	Cellulose: 25 Fiberglass: 30 Other: —	Mineral Filler: 45 Organic Binders: — Vermiculite: — Other: —	Organic: — Residue: — Carbonate: — Other: — Asbestos: —

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

NYCAP 10107

ELAP 10317

Microscope OLYMP 10107

Client / Project

ALC / Lefrak Bldg 500

Project No.

3050

Analysis Date

10/6/01

Analyst

gpa/w

Batch No

3050

1	Field No. 41	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color	Texture	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic
		Homogeneity	Asbestos	RI I	RI II	Anatase	Fiberglass	Organic Binders	Residue
		# of Layers	Detected	DS Color	Color/Place	Other	Other	Vermiculite	Carbonate
		Color of Layer	Yes	Biref	Sign			Other	Other
		Comments:							Asbestos
		Method:							

2	Field No. 42	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color	Texture	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic
		Homogeneity	Asbestos	RI I	RI II	Anatase	Fiberglass	Organic Binders	Residue
		# of Layers	Detected	DS Color	Color/Place	Other	Other	Vermiculite	Carbonate
		Color of Layer	Yes	Biref	Sign			Other	Other
		Comments:							Asbestos
		Method:							

3	Field No. 43	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color	Texture	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic
		Homogeneity	Asbestos	RI I	RI II	Anatase	Fiberglass	Organic Binders	Residue
		# of Layers	Detected	DS Color	Color/Place	Other	Other	Vermiculite	Carbonate
		Color of Layer	Yes	Biref	Sign			Other	Other
		Comments:							Asbestos
		Method:							

4	Field No. 44	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
		Color	Texture	Morphology	Extinction	Chrysotile	Cellulose	Mineral Filler	Organic
		Homogeneity	Asbestos	RI I	RI II	Anatase	Fiberglass	Organic Binders	Residue
		# of Layers	Detected	DS Color	Color/Place	Other	Other	Vermiculite	Carbonate
		Color of Layer	Yes	Biref	Sign			Other	Other
		Comments:							Asbestos
		Method:							

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

104 East 25th Street, 10th Floor, New York, NY 10010 Phone (212) 353-8260, FAX (212) 353-3599 or 8306

NYLAP 10/1/87

ELAP 10/1/87

Microscopic OLVP 81/2

Client / Project

ALC / Cefarck Bldg 500

Project No.

3050

Analysis Date

10/6/01

Analyst

grr/m

Batch No.

3050

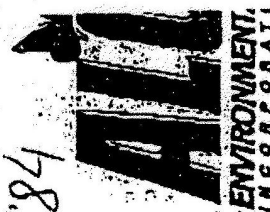
1	Field No. 45	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>---</u> Comments: <u>---</u>	PLM Optical Properties Morphology <u>wt</u> RI <u>---</u> DS Color <u>---</u> Biref <u>---</u> Sign <u>---</u>	Asbestos Results PLM % <u>Chrysotile</u> Amosite <u>---</u> Other <u>---</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>75</u> Other <u>---</u>	Non Fibrous % Mineral Filler <u>45</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Gravimetric (NOB) Results % Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
---	--------------	--	---	---	--	---	--

2	Field No. 46	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>---</u> Comments: <u>---</u>	PLM Optical Properties Morphology <u>wt</u> RI <u>---</u> DS Color <u>---</u> Biref <u>---</u> Sign <u>---</u>	Asbestos Results PLM % <u>Chrysotile</u> Amosite <u>---</u> Other <u>---</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>75</u> Other <u>---</u>	Non Fibrous % Mineral Filler <u>45</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Gravimetric (NOB) Results % Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
---	--------------	--	---	---	--	---	--

3	Field No.	Stereoscopic Exam Color <u>---</u> Homogeneity <u>---</u> # of Layers <u>---</u> Color of Layer <u>---</u> Comments: <u>---</u>	PLM Optical Properties Morphology <u>---</u> RI <u>---</u> DS Color <u>---</u> Biref <u>---</u> Sign <u>---</u>	Asbestos Results PLM % <u>Chrysotile</u> Amosite <u>---</u> Other <u>---</u>	Other Fibrous % Cellulose <u>---</u> Fiberglass <u>---</u> Other <u>---</u>	Non Fibrous % Mineral Filler <u>---</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Gravimetric (NOB) Results % Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
---	-----------	--	--	---	--	--	--

4	Field No.	Stereoscopic Exam Color <u>---</u> Homogeneity <u>---</u> # of Layers <u>---</u> Color of Layer <u>---</u> Comments: <u>---</u>	PLM Optical Properties Morphology <u>---</u> RI <u>---</u> DS Color <u>---</u> Biref <u>---</u> Sign <u>---</u>	Asbestos Results PLM % <u>Chrysotile</u> Amosite <u>---</u> Other <u>---</u>	Other Fibrous % Cellulose <u>---</u> Fiberglass <u>---</u> Other <u>---</u>	Non Fibrous % Mineral Filler <u>---</u> Organic Binders <u>---</u> Vermiculite <u>---</u> Other <u>---</u>	Gravimetric (NOB) Results % Organic <u>---</u> Residue <u>---</u> Carbonate <u>---</u> Other <u>---</u> Asbestos <u>---</u>
---	-----------	--	--	---	--	--	--

7.14 Air Sampling Results



The First Choice for Environmental Testing & Consulting

5684

Client: GAT & WY PLAZA MANAGER CORP

Date: 10-13-01

Sampled By: A. BLAKE
Work Area: BUILDING 500 GAT & WY PLAZA 385 SOUTH 6th (Cassette: 7000)

Rotometer #: 001

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	2040	2340	180	10	10	1800		Finmz <22.3
2	APT PII (7C) BED ROOM	4	2044	2344	180	10	10	1800		<22.3
3	APT PII Living	4	2048	2348	180	10	10	1800		<22.3
4	APT PII BED ROOM	4	2052	2352	180	10	10	1800		<22.3
5	HALLWAY 7th Floor OUTSIDE PII	4	2056	2356	180	10	10	1800		<22.3
6	APT PII Living Room/BED	4	2100	2400	180	10	10	1800		<22.3
7	APT PII BED Room/LIVING	4	2104	2404	180	10	10	1800		<22.3
8	APT PII Living Room/BED	4	2108	2408	180	10	10	1800		<22.3

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. During 7. Aggressive 8. Dormant 9. Inside Work Area 10. Outside Work Area 11. Excursion T. TWA

Analysis: ☐ TEM AHERA ☐ TEM Philadelphia ☐ PGM NIOSH 7400 ☐ ASAP ☐ 2 Dry (48hr) ☒ 2 Dry (12hr) ☐ 2 Dry (24hr)

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

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Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.733.9499 • 888.789.8378 • Fax: 215.732.9559



The First Choice for Environmental Testing & Consulting

5684

Asbestos Air Sampling Data Form

Client: Stateway Plaza Mgmt Corp Date: 10-13-01
 Sampled By: A. Blake Rotometer #: 001
 Work Area: Building 500 - Garthway Plaza 375 South 6th Ave Manhattan, NY 10014

Sample #	Lab #	Sample Location	Code	Time	Total Minutes	Flow Rate	Total Volume	# Fibers / 100 Fields	Ki-Units
				Start	Stop	Start	Stop		
17		APT <u>P1</u> LIVING RM	4	2450 0050	0350	10	10	1800	<22.3
18		APT <u>P1</u> LIVING/Bedroom	4	2454 0054	0354	10	10	1800	<22.3
19		APT <u>P1</u> Bedroom	4	2458 0058	0358	10	10	1800	<22.3
20		HALL-WAY 4th FL OUTSIDE APT <u>P1</u>	4	0402	0402	10	10	1800	<22.3
21		APT <u>P1</u> LIVING ROOM	4	0106 0406	0406	10	10	1800	<22.3
22		APT <u>P1</u> LIVING/Bedroom	4	0110 0410	0410	10	10	1800	<22.3
23		APT <u>P1</u> LIVING Room	4	0114 0414	0414	10	10	1800	<22.3
24		APT <u>P1</u> LIVING/Bed Room	4	0118 0418	0418	10	10	1800	<22.3

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. JAL-14C

Analysis: ☐ TEM AHURA ☐ TEM Philadelphia ☐ PCM NIOSH 7400

Received: 10/14/01 Disposal By/Date: 10/14/01

Relinquished: ATC-TEMP BY RLY Date/Time: 10/14/01
 Analyst: ATC-TEMP BY RLY

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The First Choice for Environmental Testing & Consulting

#5684

Asbestos Air Sampling Data Form

Client: GRATE WAY PLAZA MANAGEMENT CORP Date: 10-13-01

Sampled By: A. BLAKE Rotometer #: 0.01 Project #: MAN/HP Z-EKON CAS

Work Area: BUILDING 500 GRATE WAY PLAZA, 375 SOUTH 6TH AVE MAN/HP Z-EKON CAS

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		T / al Vol time	# Fibers /100 Fields	Results
			Start	Stop		Start	Stop			
25	HALL-WAY 3RD FLR OUTSIDE APT <u>PI</u>	4	0122	0422	180	10	10	1800		<u>Fluor</u>
26	APT <u>PI</u> LIVING/BECK	4	0126	0426	180	10	10	1800		<u><22.3</u>
27	APT <u>PI</u> BED ROOM	4	0132	0432	180	10	10	1800		<u><22.3</u>
28	APT <u>PI</u> BED ROOM 1	4	0136	0436	180	10	10	1800		<u><22.3</u>
29	APT <u>PI</u> LIVING ROOM	4	0140	0440	180	10	10	1800		<u><22.3</u>
30	HALL-WAY 2ND FLR OUTSIDE APT <u>PI</u>	4	0144	0444	180	10	10	1800		<u><22.3</u>
31	APT <u>PI</u> LIVING ROOM	4	0148	0448	180	10	10	1800		<u><22.3</u>
32	BLANK									

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Juckling 7. Inside Work Area 8. Outside Work Area 9. Excavation 10. T. TW

Analysis: ☒ TEM AHIERA ☐ TEM Philadelphia ☐ PCM NIOSH 7400 ☐ ASAP ☐ 2 Day (48hr) ☐ Same Day (1 hr)

Relinquished: ATC-DEM By: PRY 10.14.01 Received: 10.14.01 Date/Time: 10.14.01

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The First Choice for Environmental Testing & Consulting

5684

Asbestos Air Sampling Data Form

Client:

Sampled By:

Work Area:

SEATEWAY PLAZA MANAGEMENT CORP

A. BLAKE

SEATEWAY PLAZA BUILDING 500 - 375 SOUTH END AVE MANHATTAN

Date:

10-13-01

Rotometer #: 001

Project #:

Sample #	Lab #	Sample Location	Code	Time	Total Minutes	Flow Rate	Total Volume	# Fibers /100 Fields	Results
				Start	Stop	Start	Stop		
33		APT 1 LIVING	4	0455	0755	10	10	1800	<22.3
34		APT 1 LIVING	4	0459	0759	10	10	1800	<22.3
35		APT 1 LIVING	4	0504	0804	10	10	1800	<22.3
36		HALLWAY 1st FLR OUTSIDE APT 1	4	0508	0808	10	10	1800	<22.3
37		APT 1 LIVING	4	0512	0812	10	10	1800	<22.3
38		BLANK	1						

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Sub-14C

Analysis: ☐ TEM AHTRA ☐ TEM PHLODOPHIA ☐ PCM NIOSH 7400

Turnaround: ☐ ASAP ☐ 2 Day (48hr) ☐ Same Day (1hr)

Relinquished: ☐ Inside Work Area ☐ Outside Work Area

Received: _____ Date/Time: _____

Disposal By/Date: _____

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 Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9409 • 888.789.8378 • Fax: 215.732.9458

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: CO-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

PII	CERTIFICATE NUMBER	
	AP 01-03526	
	EXPIRES	
	SOCIAL SECURITY NUMBER	
	PII	
EYES	HAIR	
BRO	GRY	
WEIGHT	HEIGHT	
		PII

ADDRESS CORRESPONDENCE TO:
 (include certificate number)
 NYS Department of Labor
 OOSH - License and Certificate Unit
 PO Box 687, New York, NY 10014-0687

176814C



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

DOSH-442 (01/91)



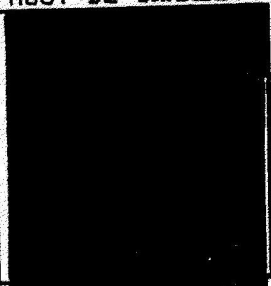
STATE OF NEW YORK
DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH

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

PII

RICHARD CUCOLO, Director - For the Commissioner of Labor

MUST BE CARRIED ON ASBESTOS PROJECTS



CERTIFICATE NUMBER	
AH 89-07160	
EXPIRES	
SOCIAL SECURITY NUMBER	
PII	
EYES	HAIR
BRO	BRO
WEIGHT	HEIGHT
PII	

ADDRESS CORRESPONDENCE TO:
(include certificate number)
NYS Department of Labor
DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

180069C

DOSH-992 (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

MUST BE CARRIED ON ASBESTOS PROJECTS

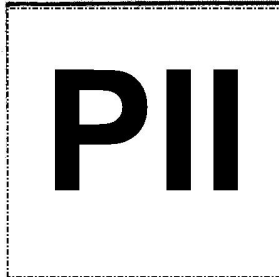
PII

CERTIFICATE NUMBER	
AH 00-08397	
EXPIRES	
SOCIAL SECURITY NUMBER	
PII	
EYES	HAIR
BRO	BLK
WEIGHT	HEIGHT
PII	

1515650

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NYS Department of Labor
DOSH - License and Certificate Unit
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NYS Department of Labor
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PO Box 687, New York, NY 10014-0687

CERTIFICATE NUMBER	
AH 95-21191	
EXPIRES	
SOCIAL SECURITY NUMBER	
PII	
EYES	HAIR
BRO	BRO
WEIGHT	HEIGHT
PII	

162517C



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)



RICHARD CUCOLO, Director - For the Commissioner of Labor

DOSH-442 (01/01)

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 Wipes
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-3317 (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:

Stewater Metals I :
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. 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	686.3	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 RANGE # LOWER 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	129.1348	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	569	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	0.7645	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

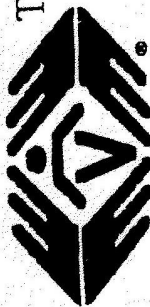
SAMPLE TYPE	SAMPLE NO.	REPORTED RESULTS	REFERENCE VALUES *	ACCEPTABLE LOWER	RANGE # UPPER	LAB @ PERFORMANCE	Z & SCORE
Paint Chips (%)	1	1.0833	1.0578	0.864	1.2516	A	0.39
	2	0.0459	0.0452	0.0328	0.0575	A	0.17
	3	7.756	6.6414	4.5218	8.7609	A	1.58
	4	0.4999	0.5141	0.395	0.6332	A	-0.36
Soil (mg/kg)	1	459.6	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

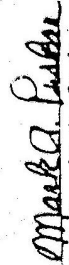
04/13/1998 - 04/13/2001

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, CIH, 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 #500**

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 500. Eight (8) were analyzed via phase contrast microscopy (PCM) and four (4) were analyzed via transmission electron microscopy (TEM). **After analysis via TEM, all were below the permissible limits.**

Based on EPA Guidelines, we collected forty-six (46) 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.

Thirty-five (35) 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

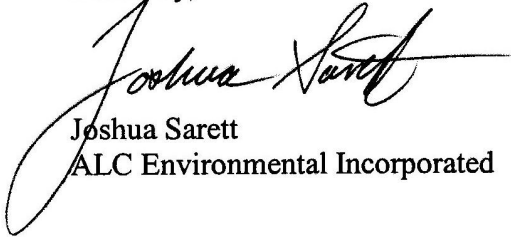
www.ALCEnvironmental.com

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