

Date: October 17, 2001

Visual Assessment, Bulk Sampling & Air Monitoring Report:

**Gateway Plaza Project: 375 South End Avenue
Building #400**

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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1.0 Introduction

October 17, 2001

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

Subject: Gateway Plaza Building #400

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 26, October 1-4, & October 7-11, 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 Inspector/Project Monitor: Americo Rodriguez Jr. (License #AH 89-07160)

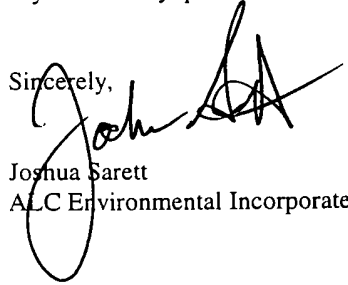
Inspector: Alvin R. Blake (License #AH 00-08397)

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. If any areas were found to be positive after analysis, they were sent to another laboratory for further analysis and quality control. **All confirmatory samples analyzed were found to be below the permissible limits for asbestos.**

However, certified asbestos abatement contractors hired independently by the owner, were used to clean the specific apartment found to be in question. Upon satisfactory cleaning and following a visual inspection by ALC samples were collected and analyzed via Transmission Electron Microscopy (TEM) sampling. **All air samples were found to be below the permissible limits.**

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 Alvin B. Blake, a licensed sampling technician (AH#01-03528) under the supervision of 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.

Upon completion of the initial assessment and bulk sample collection, ALC determined that there were elevated asbestos levels in *one apartment*. With the guidance of the above referenced document and NYCDEP we went back to each floor and assessed each apartment on each floor for visible dust and debris.

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

Twelve (12) initial background air samples were collected and analyzed at building 400. Twelve (12) samples were analyzed via phase contrast microscopy (PCM) and two (2) were analyzed via Transmission Electron Microscopy (TEM). All were below the permissible limits.

Based on EPA Guidelines, we collected one hundred fifty-eight (158) bulk samples and analyzed them via Polarized Light Microscopy (PLM) Methodology. One (1) sample collected from one apartment was found to be slightly above the regulatory limits of 1%. Zero (0) were found to be above the regulatory limits upon further analysis at a second laboratory for quality control purposes. However, certified asbestos abatement contractors hired independently by the owner, were used to clean the specific apartment and the areas were cleared by ALC via TEM air sampling. All air samples were found to be well below the permissible limits and the tenants where this cleaning took place have been notified of the clearance.

One hundred seventy (170) 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



Pa. Feb
#6374

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Asbestos Air Sampling Data Form

Client: Mid State Date: 9-26-01 Project #: CSC-020191
 Sampled By: A. George Rotometer #: 400 1000000
 Work Area: 375 Southern Ave. Bldg. 400 - 1000000

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (U/cc)
			Start	Stop		Start	Stop			
1	Apt # 355 - Living Rm.	4	1030	1130	60	10.0	10.0	600	6/100	<0.008
2	Apt # 35A - Living Rm.	4	1031	1131	60	10.0	10.0	600	10/100	0.008
3	Apt # 35H - Living Rm.	4	1032	1132	60	10.0	10.0	600	7/100	<0.008
4	Apt # 20N - Living Rm.	4	1045	1145	60	10.0	10.0	600	9/100	<0.008
5	Apt # 20A - Living Rm.	4	1046	1146	60	10.0	10.0	600	7/100	<0.008
6	Apt # 20H - Living Rm.	4	1047	1147	60	10.0	10.0	600	11/100	0.009
7	Apt # 10H - Living Rm.	4	1300	1400	60	10.0	10.0	600	7/100	<0.008
8	Apt # 10F - Living Rm.	4	1301	1401	60	10.0	10.0	600	4/100	<0.008

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Duplicate
 Analysis: ☐ TEM/ASHERA ☐ TEM/Filterable
 Relinquished: W. George Date/Time: 9/26/01 2030
 Analyst: W. George Date/Time: 9/26/01 2030

Received: W. George Date/Time: 9/26/01 1700
 Disposal By/Date: W. George Date/Time: 9/27/01 1800
 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 • 888-789-8370 • Fax: 215-732-9559
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104 East 25th Street
New York, New York 10010
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212.353.8280
Fax 212.353.8306

September 27, 2001

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

Re: Report of TEM Analysis

Dear Mr.

Following are the results of transmission electron microscopy (TEM) analysis of two PCM air samples from our Group No. 5569:

Client: Mid-State
Project Name: 375 Southend Avenue
Location: Apartments PII Building 400
Samples received in TEM Lab: 09/27/01

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. Non-asbestos structures were detected in the samples in the following proportions:

sample number	gypsum	cellulose	F/CC as Asbestos
11	0.0%	100.0%	0.0
12	55.7%	44.3%	0.0

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.



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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.

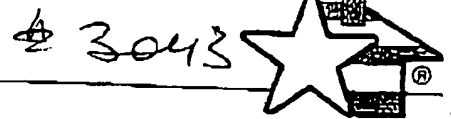
Very truly yours,

A handwritten signature in black ink, appearing to read 'Michael A. Gorycki', written in a cursive style.

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

7.13 Bulk Sampling Results

ALC Environmental Inc.



ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10 / 4 / 01

PROJECT NAME:

Mid-State

PROJECT ADDRESS:

375 South End Avenue - Bldg 400

TURN AROUND TIME

2hr

6hr

12hr

☒ 24hr

72hr

Other

Home Area	Sample #	Material	Sample Location... Description	Quantity	% Asbestos
1	# 1	Misc	16H - livingrm - window		
	# 2		14D - livingrm - window		
	# 3		14E - livingrm - window		
	4		12S - livingrm - window		
	5		12S - Bedrm - window		
	6		11A - livingrm - window		
	7		11A - livingrm - floor		
	8		11E/11D - livingrm - window		
	9		10A - livingrm - window		
	10		10A - livingrm - floor		
	11		10S - livingrm - window		
	12		9A - livingrm - window		
	13		9B - livingrm - window		
	14		7D - livingrm - window		
	15		9C - livingrm - window		
	16		9C - livingrm - floor		
	17		8A - livingrm - window		
	18		8A - livingrm - floor		
	19		8A - livingrm - A/c unit		
	20		7P - livingrm - window		

Field Comments:

Relinquished by:

[Signature]

Date:

10-4-01

Received by:

[Signature]

Date:

10/05/01

Laboratory Name:

Melona Research

46 Plus (24)

ALC Environmental Inc.

3043



ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10 / 4 / 01

PROJECT NAME: Mid-State

PROJECT ADDRESS: 375 Southend ave. NYC Bldg 400

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

Homo Area	Sample #	Material	Sample Location/Description	Quantity	% Asbestos
1	21	Misc	Bedrm, WS	.	
	22		Bedrm, WS		
	23		livingrm, WS		
	24		livingrm, WS		
	25		Bedrm, WS		
	26		livingrm, WS		
	27		livingrm, Flr.		
	28		livingrm, WS		
	29		livingrm, Flr.		
	30		livingrm, WS		
	31		livingrm, WS		
	32		livingrm, WS		
	33		livingrm, WS		
	34		livingrm, Flr.		
	35		livingrm, Flr.		
	36		livingrm, WS		
	37		livingrm, Flr.		
	38		livingrm, WS		
	39		livingrm, WS		
	40		livingrm, Flr.		

P11

Field Comments:

Relinquished by: [Signature] Date: 10-4-01

Received by: [Signature] Date: 10/5/01

Laboratory Name: Celena Regan

NYC-WTC_000095224

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 83306

NYLAP 101167
ELAP 100176
Microscopic Analysis

Client / Project: ALC/375 South End Ave/610g 400 Project No. 3043
Analysis Date: 10/05/01 Analyst: YRygo Batch No. 3043

Field No.	Gravimetric (HOB) Required	Gravimetric (HOB) Recommended	Gravimetric (HOB) PHEP	Gravimetric (HOB) PHEP	Gravimetric (HOB) PHEP	Gravimetric (HOB) PHEP	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	☒	☒	☒	☒	☒	☒	Color: <u>Grey</u> Homogeneity: <u>Y</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Comments: <u>Asbestos detected</u>	Extinction: <u>1.1</u> RI: <u>1.55</u> DS Color: <u>Grey</u> Color Pico: <u>Grey</u> Sign: <u>+</u>	Chrysotile: <u>74</u> Amosite: <u>0</u> Other: <u>0</u>	Cellulose: <u>26</u> Fiberglass: <u>34</u> Other: <u>0</u>	Mineral Fiber: <u>40</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>
2	☒	☒	☒	☒	☒	☒	Color: <u>Grey</u> Homogeneity: <u>Y</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Comments: <u>Asbestos detected</u>	Extinction: <u>1.1</u> RI: <u>1.55</u> DS Color: <u>Grey</u> Color Pico: <u>Grey</u> Sign: <u>+</u>	Chrysotile: <u>0.5</u> Amosite: <u>0</u> Other: <u>0</u>	Cellulose: <u>30.5</u> Fiberglass: <u>31</u> Other: <u>0</u>	Mineral Fiber: <u>38</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>
3	☒	☒	☒	☒	☒	☒	Color: <u>Grey</u> Homogeneity: <u>Y</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Comments: <u>Asbestos detected</u>	Extinction: <u>1.1</u> RI: <u>1.55</u> DS Color: <u>Grey</u> Color Pico: <u>Grey</u> Sign: <u>+</u>	Chrysotile: <u>74</u> Amosite: <u>0</u> Other: <u>0</u>	Cellulose: <u>27</u> Fiberglass: <u>36</u> Other: <u>0</u>	Mineral Fiber: <u>37</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>
4	☒	☒	☒	☒	☒	☒	Color: <u>Grey</u> Homogeneity: <u>Y</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Comments: <u>Asbestos detected</u>	Extinction: <u>1.1</u> RI: <u>1.55</u> DS Color: <u>Grey</u> Color Pico: <u>Grey</u> Sign: <u>+</u>	Chrysotile: <u>0.5</u> Amosite: <u>0</u> Other: <u>0</u>	Cellulose: <u>27</u> Fiberglass: <u>32.5</u> Other: <u>0</u>	Mineral Fiber: <u>40</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>

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) 353-3590 or 8306

INLAP 101187
ELAP 10078

Microscopic JULY 2001

Client / Project ALC/375 South End Ave / 6106 400 Project No.
Analysis Date 10/05/01 Analyst Preyo Hatch No. 3043

Field No.	Gravimetric (HOB) Required	Gravimetric (HOB) Recommended	Gravimetric (HOB) PREP	Gravimetric (HOB) PLE	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments: <u>Asbestos detected</u> Method: <u>PLM</u> ☒ <u>TEM</u> ☒ <u>Other</u> ☐	Morphology <u>PL</u> RI <u>1.517</u> DS Color <u>Grey</u> Biref <u>Y</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>32.5</u> Fiberglass <u>32.5</u> Other <u>0</u>	Mineral Filler <u>34</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
2	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments: <u>Asbestos detected</u> Method: <u>PLM</u> ☒ <u>TEM</u> ☒ <u>Other</u> ☐	Morphology <u>PL</u> RI <u>1.517</u> DS Color <u>Grey</u> Biref <u>Y</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>32.5</u> Fiberglass <u>32.5</u> Other <u>0</u>	Mineral Filler <u>34</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
3	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments: <u>Asbestos detected</u> Method: <u>PLM</u> ☒ <u>TEM</u> ☒ <u>Other</u> ☐	Morphology <u>PL</u> RI <u>1.517</u> DS Color <u>Grey</u> Biref <u>Y</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>32.5</u> Fiberglass <u>32.5</u> Other <u>0</u>	Mineral Filler <u>34</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
4	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments: <u>Asbestos detected</u> Method: <u>PLM</u> ☒ <u>TEM</u> ☒ <u>Other</u> ☐	Morphology <u>PL</u> RI <u>1.517</u> DS Color <u>Grey</u> Biref <u>Y</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>32.5</u> Fiberglass <u>32.5</u> Other <u>0</u>	Mineral Filler <u>34</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>

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INCLAP 10/18/7

ELAP 10/8/9

Microscope (L) P/B 112

Client / Project ALC/375 South End Ave/610g.400 Project No. 3043
 Analysis Date 10/05/01 Analyst Y. Pleya Batch No. 3043

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Field No. 13 Color <u>Gray</u> Homogeneity <u>sf</u> # of Layers <u>2</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fw</u> RI <u>1.556</u> DS Color <u>—</u> Biref <u>—</u> Extinction <u>11</u> RI II <u>1.556</u> Color, Pico <u>ce</u> Sign <u>—</u>	Chrysotile <u>70</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>20</u> Fiberglass <u>40</u> Other <u>—</u>	Mineral Filler <u>39</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
2	Field No. 14 Color <u>Gray</u> Homogeneity <u>sf</u> # of Layers <u>2</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fw</u> RI <u>1.556</u> DS Color <u>—</u> Biref <u>—</u> Extinction <u>11</u> RI II <u>1.556</u> Color, Pico <u>ce</u> Sign <u>—</u>	Chrysotile <u>70</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>20</u> Fiberglass <u>40</u> Other <u>—</u>	Mineral Filler <u>39</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
3	Field No. 15 Color <u>Gray</u> Homogeneity <u>sf</u> # of Layers <u>2</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fw</u> RI <u>1.556</u> DS Color <u>—</u> Biref <u>—</u> Extinction <u>11</u> RI II <u>1.556</u> Color, Pico <u>ce</u> Sign <u>—</u>	Chrysotile <u>70</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>20</u> Fiberglass <u>40</u> Other <u>—</u>	Mineral Filler <u>39</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
4	Field No. 16 Color <u>Gray</u> Homogeneity <u>sf</u> # of Layers <u>2</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>fw</u> RI <u>1.556</u> DS Color <u>—</u> Biref <u>—</u> Extinction <u>11</u> RI II <u>1.556</u> Color, Pico <u>ce</u> Sign <u>—</u>	Chrysotile <u>70</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>20</u> Fiberglass <u>40</u> Other <u>—</u>	Mineral Filler <u>39</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>

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UNLAP 101107
 ELAP 10078

ALC/SC/01/17/011.2

Client / Project ALC/375 South End Ave/Bldg. 40 Project No 3043
 Analysis Date 10/05/01 Analyst Upreya Hairs No 3043

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1 Field No. <u>17</u>	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>2</u> Color of Layer <u>Asbestos</u> Comments: <u>Detected Yes No</u>	Morphology <u>FL</u> RI <u>1.52</u> DS Color <u>Asbestos</u> Birefr <u>Yes</u>	Chrysotile <u>94</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>27</u> Fiberglass <u>39</u> Other <u>0</u>	Mineral Filler <u>34</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
2 Field No. <u>18</u>	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>2</u> Color of Layer <u>Asbestos</u> Comments: <u>Detected Yes No</u>	Morphology <u>FL</u> RI <u>1.52</u> DS Color <u>Asbestos</u> Birefr <u>Yes</u>	Chrysotile <u>94</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>27</u> Fiberglass <u>39</u> Other <u>0</u>	Mineral Filler <u>35</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
3 Field No. <u>19</u>	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>2</u> Color of Layer <u>Asbestos</u> Comments: <u>Detected Yes No</u>	Morphology <u>FL</u> RI <u>1.52</u> DS Color <u>Asbestos</u> Birefr <u>Yes</u>	Chrysotile <u>94</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>27</u> Fiberglass <u>40</u> Other <u>0</u>	Mineral Filler <u>33</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
4 Field No. <u>20</u>	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>2</u> Color of Layer <u>Asbestos</u> Comments: <u>Detected Yes No</u>	Morphology <u>FL</u> RI <u>1.52</u> DS Color <u>Asbestos</u> Birefr <u>Yes</u>	Chrysotile <u>94</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>27</u> Fiberglass <u>40</u> Other <u>0</u>	Mineral Filler <u>33</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>

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NYLAP 101127
 ELAP 10279

Microscopic OLYMP B11-2

Client / Project Alc/315 South End Ave/Blkg 400 Project No. 3043
 Analysis Date 10/05/01 Analyst gpleye Batch No. 3043

Field No.	Gravimetric (NOB) Required	Gravimetric (NOB) Recommended	Gravimetric (NOB) PHEP	Gravimetric (NOB) PLM	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1 Field No. <u>25</u>	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>PR</u> RI <u>1.52</u> DS Color <u>—</u> Biref <u>—</u> Asbestos <u>Y</u> Detected Yes <u>—</u> No <u>—</u> Sign <u>—</u>	Chrysotile <u>—</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>20</u> Fiberglass <u>40</u> Other <u>—</u>	Mineral Filler <u>40</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 1800x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 3500x ☐ 4000x ☐ 4500x ☐ 5000x ☐ 5500x ☐ 6000x ☐ 6500x ☐ 7000x ☐ 7500x ☐ 8000x ☐ 8500x ☐ 9000x ☐ 9500x ☐ 10000x										
2 Field No. <u>26</u>	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>PR</u> RI <u>1.52</u> DS Color <u>—</u> Biref <u>—</u> Asbestos <u>Y</u> Detected Yes <u>—</u> No <u>—</u> Sign <u>—</u>	Chrysotile <u>—</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>20</u> Fiberglass <u>40</u> Other <u>—</u>	Mineral Filler <u>40</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 1800x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 3500x ☐ 4000x ☐ 4500x ☐ 5000x ☐ 5500x ☐ 6000x ☐ 6500x ☐ 7000x ☐ 7500x ☐ 8000x ☐ 8500x ☐ 9000x ☐ 9500x ☐ 10000x										
3 Field No. <u>27</u>	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>PR</u> RI <u>1.52</u> DS Color <u>—</u> Biref <u>—</u> Asbestos <u>Y</u> Detected Yes <u>—</u> No <u>—</u> Sign <u>—</u>	Chrysotile <u>—</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>30</u> Fiberglass <u>36</u> Other <u>—</u>	Mineral Filler <u>39</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 1800x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 3500x ☐ 4000x ☐ 4500x ☐ 5000x ☐ 5500x ☐ 6000x ☐ 6500x ☐ 7000x ☐ 7500x ☐ 8000x ☐ 8500x ☐ 9000x ☐ 9500x ☐ 10000x										
4 Field No. <u>28</u>	☒	☒	☒	☒	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>—</u> Comments: <u>—</u>	Texture <u>PR</u> RI <u>1.52</u> DS Color <u>—</u> Biref <u>—</u> Asbestos <u>Y</u> Detected Yes <u>—</u> No <u>—</u> Sign <u>—</u>	Chrysotile <u>—</u> Amosite <u>—</u> Other <u>—</u>	Cellulose <u>20</u> Fiberglass <u>35</u> Other <u>—</u>	Mineral Filler <u>36</u> Organic Binders <u>—</u> Vermiculite <u>—</u> Other <u>—</u>	Organic Residue <u>—</u> Carbonate <u>—</u> Other <u>—</u> Asbestos <u>—</u>
Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 1800x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 3500x ☐ 4000x ☐ 4500x ☐ 5000x ☐ 5500x ☐ 6000x ☐ 6500x ☐ 7000x ☐ 7500x ☐ 8000x ☐ 8500x ☐ 9000x ☐ 9500x ☐ 10000x										

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EVALAP 101147
ELAP 10070

MICROSCOPE OLYMPUS BH-2

Client / Project ALC/375 South End Ave/Bldg 40 Project No. 40Analysis Date 10/05/01 Analyst UPR Batch No. 3043

Field No. <u>29</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Grey</u>	Texture <u>FR</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>78</u>	Cellulose <u>20</u>	Mineral Filler <u>40</u>		
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.54</u>	RI II <u>1.532</u>	Anisole <u>0</u>	Fiberglass <u>40</u>	Organic Binders <u>0</u>		
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>FR</u>	Color Pico <u>0</u>	Other <u>0</u>	Other <u>0</u>	Vermiculite <u>0</u>		
Color of Layer <u>Grey</u>	Yes <u>Y</u>	Blief <u>Y</u>	Sign <u>Y</u>			Other <u>0</u>		
Comments:								
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x	Form 1 page, Asbestos = 0							

Field No. <u>30</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Grey</u>	Texture <u>FR</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>0.25</u>	Cellulose <u>16.5</u>	Mineral Filler <u>42</u>		
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.54</u>	RI II <u>1.532</u>	Anisole <u>0</u>	Fiberglass <u>41</u>	Organic Binders <u>0</u>		
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>FR</u>	Color Pico <u>0</u>	Other <u>0</u>	Other <u>0</u>	Vermiculite <u>0</u>		
Color of Layer <u>Grey</u>	Yes <u>Y</u>	Blief <u>Y</u>	Sign <u>Y</u>			Other <u>0</u>		
Comments:								
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x	Form 1 page, Asbestos = 0							

Field No. <u>31</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Grey</u>	Texture <u>FR</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>0.5</u>	Cellulose <u>28.5</u>	Mineral Filler <u>40</u>		
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.54</u>	RI II <u>1.532</u>	Anisole <u>0</u>	Fiberglass <u>34</u>	Organic Binders <u>0</u>		
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>FR</u>	Color Pico <u>0</u>	Other <u>0</u>	Other <u>0</u>	Vermiculite <u>0</u>		
Color of Layer <u>Grey</u>	Yes <u>Y</u>	Blief <u>Y</u>	Sign <u>Y</u>			Other <u>0</u>		
Comments:								
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x	Form 1 page, Asbestos = 0							

Field No. <u>32</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Grey</u>	Texture <u>FR</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>78</u>	Cellulose <u>36</u>	Mineral Filler <u>34</u>		
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.54</u>	RI II <u>1.532</u>	Anisole <u>0</u>	Fiberglass <u>30</u>	Organic Binders <u>0</u>		
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>FR</u>	Color Pico <u>0</u>	Other <u>0</u>	Other <u>0</u>	Vermiculite <u>0</u>		
Color of Layer <u>Grey</u>	Yes <u>Y</u>	Blief <u>Y</u>	Sign <u>Y</u>			Other <u>0</u>		
Comments:								
Method: ☒ 10x ☐ 20x ☐ 40x ☐ 60x ☐ 80x ☐ 100x	Form 1 page, Asbestos = 0							

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NYLAP 101187

ELAP 10079

Microscopy OLVP Bill 2

Client / Project ALC/375 South End Ave/6106g 407 Project No.Analysis Date 10/05/01 Analyst YReno Batch No. 3043

Field No. <u>37</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Gray</u>	Texture <u>PA</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>11</u>	38	38	39	Organic Residue
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.548</u>	RI II <u>1.556</u>	Anosite <u>0</u>	23	23	Organic Binders	Residue
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>PA</u>	Color Pico <u>0</u>	Other <u>0</u>			Vermiculite	Calcium
Color of Layer <u>—</u>	Deleted <u>Y</u>	Biref <u>0</u>	Sign <u>0</u>				Other	Asbestos
Comments:								
Method: <u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>

Field No. <u>38</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Gray</u>	Texture <u>PA</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>11</u>	38	38	39	Organic Residue
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.548</u>	RI II <u>1.556</u>	Anosite <u>0</u>	23	23	Organic Binders	Residue
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>PA</u>	Color Pico <u>0</u>	Other <u>0</u>			Vermiculite	Calcium
Color of Layer <u>—</u>	Deleted <u>Y</u>	Biref <u>0</u>	Sign <u>0</u>				Other	Asbestos
Comments:								
Method: <u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>

Field No. <u>39</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Gray</u>	Texture <u>PA</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>11</u>	38	38	39	Organic Residue
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.548</u>	RI II <u>1.556</u>	Anosite <u>0</u>	23	23	Organic Binders	Residue
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>PA</u>	Color Pico <u>0</u>	Other <u>0</u>			Vermiculite	Calcium
Color of Layer <u>—</u>	Deleted <u>Y</u>	Biref <u>0</u>	Sign <u>0</u>				Other	Asbestos
Comments:								
Method: <u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>

Field No. <u>40</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>Gray</u>	Texture <u>PA</u>	Morphology <u>W</u>	Extinction <u>11</u>	Chrysotile <u>11</u>	38	38	39	Organic Residue
Homogeneity <u>Y</u>	Asbestos <u>Y</u>	RI <u>1.548</u>	RI II <u>1.556</u>	Anosite <u>0</u>	23	23	Organic Binders	Residue
# of Layers <u>1</u>	Detected <u>Y</u>	DS Color <u>PA</u>	Color Pico <u>0</u>	Other <u>0</u>			Vermiculite	Calcium
Color of Layer <u>—</u>	Deleted <u>Y</u>	Biref <u>0</u>	Sign <u>0</u>				Other	Asbestos
Comments:								
Method: <u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>	<u>PA</u>

ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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

NYLAP 101127
ELAP 10070

Microscopic OLYMP 881-2

Client / Project Alc/375 South End Ave / Stage 40 Project No.
Analysis Date 10/05/01 Analyst YKaye Hatch No. 3043

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments: <u>Asbestos detected</u>	Morphology <u>W</u> RI <u>1.549</u> DS Color <u>Color, Pleo</u> Biref <u>Sign</u>	Chrysotile <u>70</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>32</u> Fiberglass <u>30</u> Other <u>0</u>	Mineral Filler <u>39</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
Method: ☒ 10x, 100x, 400x, 1000x ☐ 100x, 400x, 1000x ☐ 100x, 400x, 1000x, 10000x ☐ Scanning Electron Microscope - 0						
2	Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments: <u>Asbestos detected</u>	Morphology <u>W</u> RI <u>1.549</u> DS Color <u>Color, Pleo</u> Biref <u>Sign</u>	Chrysotile <u>70</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>34</u> Fiberglass <u>30</u> Other <u>0</u>	Mineral Filler <u>36</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
Method: ☒ 10x, 100x, 400x, 1000x ☐ 100x, 400x, 1000x ☐ 100x, 400x, 1000x, 10000x ☐ Scanning Electron Microscope - 0						
3	Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments: <u>Asbestos detected</u>	Morphology <u>W</u> RI <u>1.549</u> DS Color <u>Color, Pleo</u> Biref <u>Sign</u>	Chrysotile <u>0.5</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>30.5</u> Fiberglass <u>30</u> Other <u>0</u>	Mineral Filler <u>37</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
Method: ☒ 10x, 100x, 400x, 1000x ☐ 100x, 400x, 1000x ☐ 100x, 400x, 1000x, 10000x ☐ Scanning Electron Microscope - 0						
4	Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments: <u>Asbestos detected</u>	Morphology <u>W</u> RI <u>1.549</u> DS Color <u>Color, Pleo</u> Biref <u>Sign</u>	Chrysotile <u>0.75</u> Amosite <u>0</u> Other <u>0</u>	Cellulose <u>31.5</u> Fiberglass <u>30</u> Other <u>0</u>	Mineral Filler <u>38</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
Method: ☒ 10x, 100x, 400x, 1000x ☐ 100x, 400x, 1000x ☐ 100x, 400x, 1000x, 10000x ☐ Scanning Electron Microscope - 0						

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NWAP 10/187
 ELAP 10079

ANALYST: J. J. OLYMPIC

Client / Project: Alc/375 South End Ave / 610g 400 Project No.
 Analysis Date: 10/05/01 Analyst: Y. Pleye
 Batch No.: 3043

Field No.	Field No.	Field No.	Field No.
1	2	3	4
Field No. 1 Gravimetric (NOB) Required ☐ Recommeneded ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEI ☐ Comments:	Field No. 2 Gravimetric (NOB) Required ☐ Recommeneded ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEI ☐ Comments:	Field No. 3 Gravimetric (NOB) Required ☐ Recommeneded ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEI ☐ Comments:	Field No. 4 Gravimetric (NOB) Required ☐ Recommeneded ☐ Gravimetric PREP ☐ Gravimetric (NOB) PLM ☐ Gravimetric (NOB) TEI ☐ Comments:
Stereoscopic Exam Color: <u>Grey</u> Texture: <u>Asbestos</u> Homogeneity: <u>Yes</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Detected: <u>Yes</u> Method: <u>100x</u>	Stereoscopic Exam Color: <u>Grey</u> Texture: <u>Asbestos</u> Homogeneity: <u>Yes</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Detected: <u>Yes</u> Method: <u>100x</u>	Stereoscopic Exam Color: <u>Grey</u> Texture: <u>Asbestos</u> Homogeneity: <u>Yes</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Detected: <u>Yes</u> Method: <u>100x</u>	Stereoscopic Exam Color: <u>Grey</u> Texture: <u>Asbestos</u> Homogeneity: <u>Yes</u> # of Layers: <u>1</u> Color of Layer: <u>Grey</u> Detected: <u>Yes</u> Method: <u>100x</u>
PLM Optical Properties Morphology: <u>RII</u> Extinction: <u>RII</u> DS Color: <u>DS</u> Color, Pico: <u>DS</u> Sign: <u>DS</u>	PLM Optical Properties Morphology: <u>RII</u> Extinction: <u>RII</u> DS Color: <u>DS</u> Color, Pico: <u>DS</u> Sign: <u>DS</u>	PLM Optical Properties Morphology: <u>RII</u> Extinction: <u>RII</u> DS Color: <u>DS</u> Color, Pico: <u>DS</u> Sign: <u>DS</u>	PLM Optical Properties Morphology: <u>RII</u> Extinction: <u>RII</u> DS Color: <u>DS</u> Color, Pico: <u>DS</u> Sign: <u>DS</u>
Asbestos Results PLM % Chrysotile: <u>0.5</u> Amosite: <u>0.5</u> Other: <u>0.5</u>	Asbestos Results PLM % Chrysotile: <u>0.5</u> Amosite: <u>0.5</u> Other: <u>0.5</u>	Asbestos Results PLM % Chrysotile: <u>0.5</u> Amosite: <u>0.5</u> Other: <u>0.5</u>	Asbestos Results PLM % Chrysotile: <u>0.5</u> Amosite: <u>0.5</u> Other: <u>0.5</u>
Other Fibrous % Cellulose: <u>40</u> Fiberglass: <u>18.5</u> Other: <u>0</u>	Other Fibrous % Cellulose: <u>40</u> Fiberglass: <u>18</u> Other: <u>0</u>	Other Fibrous % Cellulose: <u>40</u> Fiberglass: <u>18</u> Other: <u>0</u>	Other Fibrous % Cellulose: <u>40</u> Fiberglass: <u>18</u> Other: <u>0</u>
Non Fibrous % Mineral Filler: <u>40</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Non Fibrous % Mineral Filler: <u>40</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Non Fibrous % Mineral Filler: <u>40</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Non Fibrous % Mineral Filler: <u>40</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>
Gravimetric (NOB) Results % Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>	Gravimetric (NOB) Results % Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>	Gravimetric (NOB) Results % Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>	Gravimetric (NOB) Results % Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>

ALC Environmental Inc. BATCH # 3037



ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10, 03, 01

PROJECT NAME: LeFrak Organization
PROJECT ADDRESS: Building 400 375 South End Avenue

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

Homo Area	Sample #	Material	Sample Location/Description	Quantity	% Asbestos
1	1	Misc	3D/E - Bedrm 1 - window		
	2		E - Bedrm 1 - window		
	3		E - Livingrm - window		
	4		1 - Bedrm - window		
	5		- livingrm - window		
	6		- Bedrm - window		
	7		- livingrm - window		
	8		No sample		
	9		- livingrm - window		
	10		Bedrm - window		
	11		Bedrm - floor		
	12		1 window		
	13		livingrm - window		
	14		Bedrm - window		
	15		livingrm - window		
	16		livingrm - window		
	17		Bedrm - window		
	18		livingrm - window		
	19		Bedrm - floor		
	20				

Field Comments:

Relinquished by: A.R. Blake Date: 10-03-01
Received by: E.A. Carter Date: 10/03/01 2030
Laboratory Name: Yelena Perezhikova

20 PLM

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INCAP 10111
ELAP 10870

Microscope OLYMP BH7

Client/Project ALC Env./Verano Cco, Bldg 400 375 South 602 Ave Project No

Analysis Date 10/04/01 Analyst 4 Reyes

Batch No 3037

Field No. <u>09</u>	Gravimetric (HOB) Required ☒	Gravimetric (HOB) Recommended ☒	Gravimetric (HOB) PREP ☒	Gravimetric (HOB) PLM ☒	Gravimetric (HOB) TEM ☒	Stereoscopic Exam Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.549</u> DS Color <u>182</u> Birefr <u>1</u> Extinction <u>11</u> RII <u>1.555</u> Color/Plen <u>2</u> Sign <u>2</u>	Asbestos Results PLM % Chrysotile <u>13</u> Amosite <u>46</u> Other <u>41</u>	Other Fibrous % Cellulose <u>13</u> Fiberglass <u>46</u> Other <u>41</u>	Non Fibrous % Mineral Filler <u>46</u> Organic Binders <u>46</u> Vermiculite <u>46</u> Other <u>46</u>	Gravimetric (HOB) Results % Organic <u>46</u> Residue <u>46</u> Carbonate <u>46</u> Other <u>46</u> Asbestos <u>46</u>
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Field No. <u>10</u>	Gravimetric (HOB) Required ☒	Gravimetric (HOB) Recommended ☒	Gravimetric (HOB) PREP ☒	Gravimetric (HOB) PLM ☒	Gravimetric (HOB) TEM ☒	Stereoscopic Exam Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.549</u> DS Color <u>182</u> Birefr <u>1</u> Extinction <u>11</u> RII <u>1.555</u> Color/Plen <u>2</u> Sign <u>2</u>	Asbestos Results PLM % Chrysotile <u>13</u> Amosite <u>46</u> Other <u>41</u>	Other Fibrous % Cellulose <u>13</u> Fiberglass <u>46</u> Other <u>41</u>	Non Fibrous % Mineral Filler <u>46</u> Organic Binders <u>46</u> Vermiculite <u>46</u> Other <u>46</u>	Gravimetric (HOB) Results % Organic <u>46</u> Residue <u>46</u> Carbonate <u>46</u> Other <u>46</u> Asbestos <u>46</u>
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Field No. <u>11</u>	Gravimetric (HOB) Required ☒	Gravimetric (HOB) Recommended ☒	Gravimetric (HOB) PREP ☒	Gravimetric (HOB) PLM ☒	Gravimetric (HOB) TEM ☒	Stereoscopic Exam Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.549</u> DS Color <u>182</u> Birefr <u>1</u> Extinction <u>11</u> RII <u>1.555</u> Color/Plen <u>2</u> Sign <u>2</u>	Asbestos Results PLM % Chrysotile <u>13</u> Amosite <u>46</u> Other <u>41</u>	Other Fibrous % Cellulose <u>13</u> Fiberglass <u>46</u> Other <u>41</u>	Non Fibrous % Mineral Filler <u>46</u> Organic Binders <u>46</u> Vermiculite <u>46</u> Other <u>46</u>	Gravimetric (HOB) Results % Organic <u>46</u> Residue <u>46</u> Carbonate <u>46</u> Other <u>46</u> Asbestos <u>46</u>
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Field No. <u>12</u>	Gravimetric (HOB) Required ☒	Gravimetric (HOB) Recommended ☒	Gravimetric (HOB) PREP ☒	Gravimetric (HOB) PLM ☒	Gravimetric (HOB) TEM ☒	Stereoscopic Exam Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	PLM Optical Properties Morphology <u>W</u> RI <u>1.549</u> DS Color <u>182</u> Birefr <u>1</u> Extinction <u>11</u> RII <u>1.555</u> Color/Plen <u>2</u> Sign <u>2</u>	Asbestos Results PLM % Chrysotile <u>13</u> Amosite <u>46</u> Other <u>41</u>	Other Fibrous % Cellulose <u>13</u> Fiberglass <u>46</u> Other <u>41</u>	Non Fibrous % Mineral Filler <u>46</u> Organic Binders <u>46</u> Vermiculite <u>46</u> Other <u>46</u>	Gravimetric (HOB) Results % Organic <u>46</u> Residue <u>46</u> Carbonate <u>46</u> Other <u>46</u> Asbestos <u>46</u>
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ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

INVEST. INITIAL
ELAP 10/2/9

104 East 25th Street, 10th Floor, New York, NY 10010 Phone (212) 353-8200, FAX (212) 353-3599 or 8006

Microscopic OLYMPUS RI17

Client/Project ALC Env./Kew-Fox Cgo, Bldg 400, 375 Southern Blvd, Project Mo

Analysis Date 10/04/01 Analyst UPR Batch No 3037

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
13	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	Morphology <u>W</u> RI <u>1.519</u> DS Color <u>Blue</u> Biref <u>+</u> Extinction <u>1-500</u> Color Plot <u>See</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amphibole <u>0</u> Other <u>0</u>	Cellulose <u>12.25</u> Fiberglass <u>3.6</u> Other <u>0</u>	Mineral Filler <u>57</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
14	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	Morphology <u>W</u> RI <u>1.519</u> DS Color <u>Blue</u> Biref <u>+</u> Extinction <u>1-500</u> Color Plot <u>See</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amphibole <u>0</u> Other <u>0</u>	Cellulose <u>12.25</u> Fiberglass <u>3.6</u> Other <u>0</u>	Mineral Filler <u>57</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
15	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	Morphology <u>W</u> RI <u>1.519</u> DS Color <u>Blue</u> Biref <u>+</u> Extinction <u>1-500</u> Color Plot <u>See</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amphibole <u>0</u> Other <u>0</u>	Cellulose <u>12.25</u> Fiberglass <u>3.6</u> Other <u>0</u>	Mineral Filler <u>57</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
16	Color <u>Grey</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Grey</u> Comments:	Morphology <u>W</u> RI <u>1.519</u> DS Color <u>Blue</u> Biref <u>+</u> Extinction <u>1-500</u> Color Plot <u>See</u> Sign <u>+</u>	Chrysotile <u>0.25</u> Amphibole <u>0</u> Other <u>0</u>	Cellulose <u>12.25</u> Fiberglass <u>3.6</u> Other <u>0</u>	Mineral Filler <u>57</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>

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42801 10073
10073 10073

2015-05-05 10:00:00

Client / Project: A/C ENV. / LEERAK CNG Bldg. 400 375 Severn End Ave. Project No. 108

Analysis Date	10/04/01	Analyst
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3037

Ukwe.

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Fibrous %	Non-Fibrous %	Graumatic (HOB) Results %
17	Color: Grey Homogeneity: Y # of Layers: 1 Color of Layer: — Comments:	Morphology: W RI: 1.586 DS Color: 00 Biref: L Sign: f	Chrysotile: 0.25 Amosite: — Other: —	17.5% Fibrous 3.8% Non-Fibrous OC	44% Mineral Fiber Organic Bundles Vermiculite Other: — Asbestos: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —
Method:	☒ Stereoscopic	☐ PLM	☐ SEM	☐ TEM	☐ EDX	☐ EELS
Field No. 18	Color: Grey Homogeneity: Y # of Layers: 1 Color of Layer: — Comments:	Morphology: W RI: 1.587 DS Color: 00 Biref: L Sign: f	Chrysotile: 0.25 Amosite: — Other: —	13.2% Fibrous 4.0% Non-Fibrous OC	96% Mineral Fiber Organic Bundles Vermiculite Other: — Asbestos: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —
Method:	☒ Stereoscopic	☐ PLM	☐ SEM	☐ TEM	☐ EDX	☐ EELS
Field No. 19	Color: Grey Homogeneity: Y # of Layers: 1 Color of Layer: — Comments:	Morphology: W RI: 1.587 DS Color: 00 Biref: L Sign: f	Chrysotile: 0.25 Amosite: — Other: —	15% Fibrous 3.6% Non-Fibrous OC	46% Mineral Fiber Organic Bundles Vermiculite Other: — Asbestos: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —
Method:	☒ Stereoscopic	☐ PLM	☐ SEM	☐ TEM	☐ EDX	☐ EELS
Field No. 20	Color: Grey Homogeneity: Y # of Layers: 1 Color of Layer: — Comments:	Morphology: W RI: 1.587 DS Color: 00 Biref: L Sign: f	Chrysotile: 0.25 Amosite: — Other: —	15% Fibrous 3.6% Non-Fibrous OC	46% Mineral Fiber Organic Bundles Vermiculite Other: — Asbestos: —	Gravimetric (HOB) Results % Organic: — Residue: — Carbonate: — Other: — Asbestos: —
Method:	☒ Stereoscopic	☐ PLM	☐ SEM	☐ TEM	☐ EDX	☐ EELS

**SCIENTIFIC LABORATORIES, INC.**117 EAST 30TH STREET
NEW YORK, NY 10018

TEL: (212) 679-8800 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

American Lead Consultants
Attn: Josh Sarrett
115 West 30th Street
Suite 1108
New York, NY 10001

Date Received 10/05/2001 SciLab Job No. 201101479
Date Examined 10/05/2001 P.O. # Lefrak Organization
ELAP Number 11480 Page 1 of 1
RE: Lefrak Organization; Bldg. 400, 375 South End Avenue

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
#19	201101479-01	Yes	<1. %
Location: Apt. 10U Bedroom Floor			
Description: Grey, Heterogeneous, Debris			
Asbestos Types: Chrysotile <1. %			
Other Material: Animal hair Trace. Cellulose 5. %, Fibrous glass 30. %.			
Non-fibrous >64. %			

Reporting Notes:

- (1) Composite analysis results for heterogeneous debris samples may be highly variable due to inhomogeneities in materials present

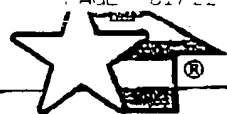
Analyzed by: Bella Chernis

Bella Chernis
*NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop. PLM Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National Institute of Standards and Technology Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested. AIHA# 102843; VT Cert# AL016055

Reviewed By: _____

ALC Environmental Inc.

3034



ALC ENVIRONMENTAL ASBESTOS ONLY SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10 / 02 / 01

PROJECT NAME: Lefrak Organization
PROJECT ADDRESS: Building 400 / 375 South End Avenue

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

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

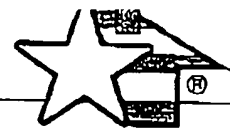
PII

Field Comments:

Relinquished by: A.L. Blake Date: 10-02-01
Received by: Ureys Date: 10/3/01
Laboratory Name: Yelena Pappas

ALC Environmental Inc.

3034



ALC ENVIRONMENTAL ASBESTOS BULK SAMPLE CHAIN OF CUSTODY

DATE OF SAMPLING: 10.02.01

PROJECT NAME:

Lefrak - Organization

PROJECT ADDRESS:

Building 400 - 375 South End Avenue

TURN AROUND TIME

2hr

6hr

12hr

24hr

72hr

Other

12 hrs

Sample #	Material	Sample Location/Description	Quantity	% Asbestos
21	Misc	Bedrm 2 - window		
22		Livingrm - window		
23		Bedroom - floor		
24		Livingrm - window		
25		Livingrm - window		
26		Bedrm - floor		
27		Bedrm 1 - window		
28		Livingrm - window		
29				
30				
31		Bedrm - window		
32				
33		Livingrm - window		
34		Bedrm -		
35		Livingrm -		
36		Bedroom -		
37		Livingrm -		
38		Bedrm 1 -		
39		Bedrm 2 floor		
40		Livingrm floor		

PII

Field Comments:

Relinquished by:

A.R. Blake

Date:

10-02-01

Received by:

U. Reye

Date:

10/3/01

Laboratory Name:

U. Reye Research

ALC Environmental Inc.

to 3034



**ALC ENVIRONMENTAL
ASBESTOS BULK SAMPLE CHAIN OF CUSTODY**

DATE OF SAMPLING: 10/02/01

PROJECT NAME:

Lefrak Organization

PROJECT ADDRESS:

Building 400 / 375 South End Avenue

TURN AROUND TIME

2hr

6hr

12hr24hr

72hr

Other

12 hrs

Homo Area	Sample #	Material	Sample Location/Description	Quantity	% Asbestos
	#41	Misc	R - bedroom window		
	42		T - livingrm. floor		
	43		- window		
	44		- bedroom 1 - window		
	45		- livingrm. window		
	46		- bedroom - floor		
	47		- bedroom - window		
	48		livingrm. window		
	49		bedrm 1 - window		
	50		livingrm. window		
	51		bedrm - window		
	52		livingrm. window		
	53		livingrm. window		
	54		bedrm - window		
	55		bedrm 1 - floor		
	56		livingrm. floor		
	57		bedrm - window		
	58		bedrm - floor		
	59		livingrm. window		
	60		201 - livingrm. window		

PII

Field Comments:

Relinquished by:

A.R. Blake

Date:

10-02-01

Received by:

Y. Reza

Date:

10/3/01

Laboratory Name:

Yelena Reygarha

NYC-WTC_000095247

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NYLAP 10/1/10

ELAP 10/1/10

Microscopic OI YP Bit 2

Client / Project ALC/LeFrax Organization / Build 400 Project No. 3034

Analysis Date 10/3/01 Analyst UReye Batch No. 3034

1	Field No. <u>01</u>	Stereoscopic Exam Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments:	Texture <u>FW</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>N</u> Brief <u>C</u>	PLM Optical Properties Morphology <u>FW</u> RI <u>1.545</u> DS Color <u>man</u> Sign <u>C</u>	Extinction RI II <u>1.545</u> Color, Plo <u>02</u> Sign <u>Y</u>	Asbestos Results PLM % Chrysotile <u>7A</u> Amosite <u>02</u> Other <u>02</u>	Other Fibrous % Cellulose <u>23</u> Fiberglass <u>42</u> Other <u>02</u>	Non Fibrous % Mineral Filler <u>35</u> Organic Binders <u>02</u> Vermiculite <u>02</u> Other <u>02</u>	Gravimetric (HOB) Results % Organic <u>02</u> Residue <u>02</u> Carbonate <u>02</u> Other <u>02</u> Asbestos <u>02</u>
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2	Field No. <u>02</u>	Stereoscopic Exam Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments:	Texture <u>FW</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>N</u> Brief <u>C</u>	PLM Optical Properties Morphology <u>FW</u> RI <u>1.545</u> DS Color <u>man</u> Sign <u>C</u>	Extinction RI II <u>1.545</u> Color, Plo <u>02</u> Sign <u>Y</u>	Asbestos Results PLM % Chrysotile <u>0.5</u> Amosite <u>02</u> Other <u>02</u>	Other Fibrous % Cellulose <u>26.5</u> Fiberglass <u>44</u> Other <u>02</u>	Non Fibrous % Mineral Filler <u>32</u> Organic Binders <u>02</u> Vermiculite <u>02</u> Other <u>02</u>	Gravimetric (HOB) Results % Organic <u>02</u> Residue <u>02</u> Carbonate <u>02</u> Other <u>02</u> Asbestos <u>02</u>
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3	Field No. <u>03</u>	Stereoscopic Exam Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments:	Texture <u>FW</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>N</u> Brief <u>C</u>	PLM Optical Properties Morphology <u>FW</u> RI <u>1.545</u> DS Color <u>man</u> Sign <u>C</u>	Extinction RI II <u>1.545</u> Color, Plo <u>02</u> Sign <u>Y</u>	Asbestos Results PLM % Chrysotile <u>7A</u> Amosite <u>02</u> Other <u>02</u>	Other Fibrous % Cellulose <u>22</u> Fiberglass <u>40</u> Other <u>02</u>	Non Fibrous % Mineral Filler <u>38</u> Organic Binders <u>02</u> Vermiculite <u>02</u> Other <u>02</u>	Gravimetric (HOB) Results % Organic <u>02</u> Residue <u>02</u> Carbonate <u>02</u> Other <u>02</u> Asbestos <u>02</u>
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4	Field No. <u>04</u>	Stereoscopic Exam Color <u>Gray</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u>Gray</u> Comments:	Texture <u>FW</u> Asbestos <u>Y</u> Detected Yes <u>Y</u> No <u>N</u> Brief <u>C</u>	PLM Optical Properties Morphology <u>FW</u> RI <u>1.545</u> DS Color <u>man</u> Sign <u>C</u>	Extinction RI II <u>1.545</u> Color, Plo <u>02</u> Sign <u>Y</u>	Asbestos Results PLM % Chrysotile <u>7A</u> Amosite <u>02</u> Other <u>02</u>	Other Fibrous % Cellulose <u>22</u> Fiberglass <u>43</u> Other <u>02</u>	Non Fibrous % Mineral Filler <u>37</u> Organic Binders <u>02</u> Vermiculite <u>02</u> Other <u>02</u>	Gravimetric (HOB) Results % Organic <u>02</u> Residue <u>02</u> Carbonate <u>02</u> Other <u>02</u> Asbestos <u>02</u>
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NYLAP 101187

F1AP 10870

FILED

Client / Project ALC / Leifox Organization / Build 400

Q

Project No.

Analysis Date	Analyst
10/23/01	

Reise

Batch No 30321

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Fibrous %	Non-Fibrous %	Gravimetric (HOB) Results %
1	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>2</u> Color of Layer: <u>---</u>	Morphology: <u>W</u> RI I: <u>1.548</u> RI II: <u>1.556</u> DS Color: <u>102</u> Color Pico: <u>ce</u> Sign: <u>p</u>	Chrysotile: <u>0.75</u> Amosite: <u>---</u> Other: <u>---</u>	Cellulose: <u>34.25</u> Fiberglass: <u>31</u> Other: <u>---</u>	Mineral Filler: <u>34</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: <u>---</u>						
2	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>2</u> Color of Layer: <u>---</u>	Morphology: <u>W</u> RI I: <u>1.547</u> RI II: <u>1.555</u> DS Color: <u>102</u> Color Pico: <u>ce</u> Sign: <u>p</u>	Chrysotile: <u>0.5</u> Amosite: <u>---</u> Other: <u>---</u>	Cellulose: <u>30.5</u> Fiberglass: <u>32</u> Other: <u>---</u>	Mineral Filler: <u>32</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: <u>---</u>						
3	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>2</u> Color of Layer: <u>---</u>	Morphology: <u>W</u> RI I: <u>1.548</u> RI II: <u>1.556</u> DS Color: <u>102</u> Color Pico: <u>ce</u> Sign: <u>p</u>	Chrysotile: <u>0.5</u> Amosite: <u>---</u> Other: <u>---</u>	Cellulose: <u>30</u> Fiberglass: <u>33.5</u> Other: <u>---</u>	Mineral Filler: <u>36</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: <u>---</u>						
4	Color: <u>Gray</u> Homogeneity: <u>Y</u> # of Layers: <u>2</u> Color of Layer: <u>---</u>	Morphology: <u>W</u> RI I: <u>1.548</u> RI II: <u>1.556</u> DS Color: <u>102</u> Color Pico: <u>ce</u> Sign: <u>p</u>	Chrysotile: <u>0.75</u> Amosite: <u>---</u> Other: <u>---</u>	Cellulose: <u>17</u> Fiberglass: <u>35</u> Other: <u>---</u>	Mineral Filler: <u>48</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: <u>---</u>						

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NY/LAP 109107

ELAP 10279

МІСЦЕВОЇ ОЛІМПІАДИ

Client / Project: ALC/Leppak Organization / Build. 400

Project No.

Balch No 50324

Analysis!

1221

Field No.	Gravimetric (HOB) Required	Recommenda	Gravimetric (HOB) PLE	Gravimetric (HOB) TET	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	25	☒	☒	☒	Color: <u>tan</u> Homogeneity: <u>4</u> # of Layers: <u>1</u> Color of Layer: <u>—</u> Comments: <u>Detected Yes No</u>	Morphology: <u>W</u> RI: <u>1.149</u> DS Color: <u>6/10</u> Bluel: <u>1</u>	Chrysotile: <u>72</u> Amosite: <u>—</u> Other: <u>—</u>	Celulose: <u>33</u> Fiberglass: <u>32</u> Other: <u>—</u>	Mineral Filler: <u>35</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	26	☒	☒	☒	Color: <u>tan</u> Homogeneity: <u>4</u> # of Layers: <u>1</u> Color of Layer: <u>—</u> Comments: <u>Detected Yes No</u>	Morphology: <u>W</u> RI: <u>1.149</u> DS Color: <u>6/10</u> Bluel: <u>1</u>	Chrysotile: <u>72</u> Amosite: <u>—</u> Other: <u>—</u>	Celulose: <u>30</u> Fiberglass: <u>28</u> Other: <u>—</u>	Mineral Filler: <u>42</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	27	☒	☒	☒	Color: <u>tan</u> Homogeneity: <u>4</u> # of Layers: <u>1</u> Color of Layer: <u>—</u> Comments: <u>Detected Yes No</u>	Morphology: <u>W</u> RI: <u>1.149</u> DS Color: <u>6/10</u> Bluel: <u>1</u>	Chrysotile: <u>72</u> Amosite: <u>—</u> Other: <u>—</u>	Celulose: <u>28</u> Fiberglass: <u>40</u> Other: <u>—</u>	Mineral Filler: <u>32</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	28	☒	☒	☒	Color: <u>tan</u> Homogeneity: <u>4</u> # of Layers: <u>1</u> Color of Layer: <u>—</u> Comments: <u>Detected Yes No</u>	Morphology: <u>W</u> RI: <u>1.149</u> DS Color: <u>6/10</u> Bluel: <u>1</u>	Chrysotile: <u>72</u> Amosite: <u>—</u> Other: <u>—</u>	Celulose: <u>30</u> Fiberglass: <u>42</u> Other: <u>—</u>	Mineral Filler: <u>38</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>

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NYLAP 101147

ELAP 10079

Microscope OLYMP BH-2

Client / Project AIC / Lefrak Organization / Build. 400 Project No. 30381

Analysis Date 10/3/01 Analyst UPeyoff Batch No. 30381

Field No. <u>29</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>Asbestos</u>	PLM Optical Properties Morphology <u>PL</u> RI <u>1.57</u> DS Color <u>tan</u> Biref <u>+</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>0-25</u> Amosite <u>0</u> Other <u>0</u>	Other Fibrous % Cellulose <u>24-25</u> Fiberglass <u>35</u> Other <u>0</u>	Non Fibrous % Mineral Filler <u>40</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Gravimetric (NOB) Results % Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
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Field No. <u>30</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>Asbestos</u>	PLM Optical Properties Morphology <u>PL</u> RI <u>1.57</u> DS Color <u>tan</u> Biref <u>+</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>0-25</u> Amosite <u>0</u> Other <u>0</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>40</u> Other <u>0</u>	Non Fibrous % Mineral Filler <u>28</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Gravimetric (NOB) Results % Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
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Field No. <u>31</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>Asbestos</u>	PLM Optical Properties Morphology <u>PL</u> RI <u>1.57</u> DS Color <u>tan</u> Biref <u>+</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>0-25</u> Amosite <u>0</u> Other <u>0</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>38</u> Other <u>0</u>	Non Fibrous % Mineral Filler <u>30</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Gravimetric (NOB) Results % Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
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Field No. <u>32</u>	Stereoscopic Exam Color <u>tan</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>tan</u> Comments: <u>Asbestos</u>	PLM Optical Properties Morphology <u>PL</u> RI <u>1.57</u> DS Color <u>tan</u> Biref <u>+</u> Sign <u>+</u>	Asbestos Results PLM % Chrysotile <u>0-25</u> Amosite <u>0</u> Other <u>0</u>	Other Fibrous % Cellulose <u>30</u> Fiberglass <u>38</u> Other <u>0</u>	Non Fibrous % Mineral Filler <u>30</u> Organic Binders <u>0</u> Vermiculite <u>0</u> Other <u>0</u>	Gravimetric (NOB) Results % Organic <u>0</u> Residue <u>0</u> Carbonate <u>0</u> Other <u>0</u> Asbestos <u>0</u>
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ATC ASSOCIATES INC - NEW YORK BULK ASBESTOS ANALYSIS SHEET

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NVLAP 108189
ELAP 10876

Microscope OLYMP B11.2

Client / Project ALC / Lefrak Organization / Build. 400 Project No. 30389

Analysis Date 10/3/01 Analyst UPR/efg Batch No. 30389

Field No. <u>41</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %		Non Fibrous %		Gravimetric (NOB) Results %	
Color <u>tan</u>	Texture <u>fib</u>	Asbestos <u>0</u>	Morphology <u>1.2</u>	Extinction RI <u>1.5</u>	Chrysotile <u>12</u>	Amosite <u>0</u>	Cellulose <u>40</u>	Mineral Filler <u>15</u>	Organic binders <u>0</u>	Vermiculite <u>0</u>	Organic <u>0</u>	
Homogeneity <u>h</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	RI <u>1.5</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Fiberglass <u>35</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
# of Layers <u>1</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	DS Color <u>0</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Color of Layer <u>tan</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	Biref <u>0</u>	Sign <u>+</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Comments:												
Method: <u>0</u>	Form 1 (Rev. 1/97) ASBESTOS - 0											

Field No. <u>42</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %		Non Fibrous %		Gravimetric (NOB) Results %	
Color <u>tan</u>	Texture <u>fib</u>	Asbestos <u>0</u>	Morphology <u>1.2</u>	Extinction RI <u>1.5</u>	Chrysotile <u>12</u>	Amosite <u>0</u>	Cellulose <u>33</u>	Mineral Filler <u>30</u>	Organic binders <u>0</u>	Vermiculite <u>0</u>	Organic <u>0</u>	
Homogeneity <u>h</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	RI <u>1.5</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Fiberglass <u>37</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
# of Layers <u>1</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	DS Color <u>0</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Color of Layer <u>tan</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	Biref <u>0</u>	Sign <u>+</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Comments:												
Method: <u>0</u>	Form 1 (Rev. 1/97) ASBESTOS - 0											

Field No. <u>43</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %		Non Fibrous %		Gravimetric (NOB) Results %	
Color <u>tan</u>	Texture <u>fib</u>	Asbestos <u>0</u>	Morphology <u>1.2</u>	Extinction RI <u>1.5</u>	Chrysotile <u>12</u>	Amosite <u>0</u>	Cellulose <u>35</u>	Mineral Filler <u>25</u>	Organic binders <u>0</u>	Vermiculite <u>0</u>	Organic <u>0</u>	
Homogeneity <u>h</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	RI <u>1.5</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Fiberglass <u>40</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
# of Layers <u>1</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	DS Color <u>0</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Color of Layer <u>tan</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	Biref <u>0</u>	Sign <u>+</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Comments:												
Method: <u>0</u>	Form 1 (Rev. 1/97) ASBESTOS - 0											

Field No. <u>44</u>	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %		Non Fibrous %		Gravimetric (NOB) Results %	
Color <u>tan</u>	Texture <u>fib</u>	Asbestos <u>0</u>	Morphology <u>1.2</u>	Extinction RI <u>1.5</u>	Chrysotile <u>0.50</u>	Amosite <u>0</u>	Cellulose <u>33.50</u>	Mineral Filler <u>29</u>	Organic binders <u>0</u>	Vermiculite <u>0</u>	Organic <u>0</u>	
Homogeneity <u>h</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	RI <u>1.5</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Fiberglass <u>37</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
# of Layers <u>1</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	DS Color <u>0</u>	Color/Plao <u>1</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Color of Layer <u>tan</u>	Asbestos <u>0</u>	Detected <u>Yes</u>	Biref <u>0</u>	Sign <u>+</u>	Amosite <u>0</u>	Other <u>0</u>	Other <u>0</u>	Organic binders <u>0</u>	Residue <u>0</u>	Carbonate <u>0</u>	Residue <u>0</u>	
Comments:												
Method: <u>0</u>	Form 1 (Rev. 1/97) ASBESTOS - 0											

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NVLAP 101187

ELAP 18070

Microscope OLYP BH-2

Client / Project	A/C/Lefox Organization / Build 400	Project No.
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Batch No 30329

Revised

Analysis Date 10/2/01

Analysis Date

[illegible]

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non-Fibrous %	Gravimetric (%) Results NOB)
2 Field No. 16	Color: <u>brown</u> Homogeneity: <u>Y</u> # of Layers: <u>4</u> Color of Layer: _____ Comments:	Morphology: <u>w</u> RI: <u>1.57</u> DS Color: <u>blue</u> Biref: <u>T</u>	Extinction: <u>(+)</u> RI U: <u>(+)</u> Color Ploso: <u>(+)</u> Syn: <u>(+)</u>	Chrysotile: <u>50</u> Amosite: _____ Other: _____	Mineral Fiber: <u>25</u> Organic Binders: _____ Vermiculite: _____ Other: _____	Organic: _____ Residue: _____ Carbonate: _____ Others: _____ Asbestos: _____
	Method: <u>X-ray</u> , <u>IR</u> , <u>EDS</u> , <u>TEM</u> , <u>SEM</u> , <u>AAS</u> , <u>ICP-MS</u> , <u>FTIR</u>	☐ outside ☐ inside	Full & prep. Asbestos - 0			

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
3	Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>1</u> Color of Layer <u> </u> Comments: <u> </u>	Texture <u>fib</u> Asbestos ☒ Detected Yes ☐ No ☐	Morphology <u>W</u> RI <u>1.07</u> DS Color <u>W/W</u> Biref <u>L</u> Extinction <u>11</u> RI <u>1.17</u> Color, Plo <u>✓</u> Sign <u>+</u>	Cellulose <u>36</u> Fiberglass <u>36</u> Other <u> </u>	Mineral Filler <u>28</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>

J	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (%OB) Results %
	68	Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>A</u> Color of Layer _____ Comments:	Morphology <u>w</u> RII <u>m</u> DS Color <u>bwn</u> Biref <u>L</u> Tactile <u>sp</u> Aesthetic <u>X</u> Defected Yes No ☒ ☐	Claytonite <u>9</u> Amosite _____ Oltter _____	Celadonite <u>30</u> Fiberglass <u>40</u> Other _____	Mineral Fiber _____ Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
							Q.C. ☐
Method: <u>GR-102</u> ☐ <u>GR-103</u> ☐ <u>GR-104</u> ☐ <u>GR-105</u> ☐ <u>GR-106</u> ☐ <u>GR-107</u> ☐ <u>GR-108</u> ☐ <u>GR-109</u> ☐ <u>GR-110</u> ☐ <u>GR-111</u> ☐ <u>GR-112</u> ☐ <u>GR-113</u> ☐ <u>GR-114</u> ☐ <u>GR-115</u> ☐ <u>GR-116</u> ☐ <u>GR-117</u> ☐ <u>GR-118</u> ☐ <u>GR-119</u> ☐ <u>GR-120</u> ☐ <u>GR-121</u> ☐ <u>GR-122</u> ☐ <u>GR-123</u> ☐ <u>GR-124</u> ☐ <u>GR-125</u> ☐ <u>GR-126</u> ☐ <u>GR-127</u> ☐ <u>GR-128</u> ☐ <u>GR-129</u> ☐ <u>GR-130</u> ☐ <u>GR-131</u> ☐ <u>GR-132</u> ☐ <u>GR-133</u> ☐ <u>GR-134</u> ☐ <u>GR-135</u> ☐ <u>GR-136</u> ☐ <u>GR-137</u> ☐ <u>GR-138</u> ☐ <u>GR-139</u> ☐ <u>GR-140</u> ☐ <u>GR-141</u> ☐ <u>GR-142</u> ☐ <u>GR-143</u> ☐ <u>GR-144</u> ☐ <u>GR-145</u> ☐ <u>GR-146</u> ☐ <u>GR-147</u> ☐ <u>GR-148</u> ☐ <u>GR-149</u> ☐ <u>GR-150</u> ☐ <u>GR-151</u> ☐ <u>GR-152</u> ☐ <u>GR-153</u> ☐ <u>GR-154</u> ☐ <u>GR-155</u> ☐ <u>GR-156</u> ☐ <u>GR-157</u> ☐ <u>GR-158</u> ☐ <u>GR-159</u> ☐ <u>GR-160</u> ☐ <u>GR-161</u> ☐ <u>GR-162</u> ☐ <u>GR-163</u> ☐ <u>GR-164</u> ☐ <u>GR-165</u> ☐ <u>GR-166</u> ☐ <u>GR-167</u> ☐ <u>GR-168</u> ☐ <u>GR-169</u> ☐ <u>GR-170</u> ☐ <u>GR-171</u> ☐ <u>GR-172</u> ☐ <u>GR-173</u> ☐ <u>GR-174</u> ☐ <u>GR-175</u> ☐ <u>GR-176</u> ☐ <u>GR-177</u> ☐ <u>GR-178</u> ☐ <u>GR-179</u> ☐ <u>GR-180</u> ☐ <u>GR-181</u> ☐ <u>GR-182</u> ☐ <u>GR-183</u> ☐ <u>GR-184</u> ☐ <u>GR-185</u> ☐ <u>GR-186</u> ☐ <u>GR-187</u> ☐ <u>GR-188</u> ☐ <u>GR-189</u> ☐ <u>GR-190</u> ☐ <u>GR-191</u> ☐ <u>GR-192</u> ☐ <u>GR-193</u> ☐ <u>GR-194</u> ☐ <u>GR-195</u> ☐ <u>GR-196</u> ☐ <u>GR-197</u> ☐ <u>GR-198</u> ☐ <u>GR-199</u> ☐ <u>GR-200</u> ☐ <u>GR-201</u> ☐ <u>GR-202</u> ☐ <u>GR-203</u> ☐ <u>GR-204</u> ☐ <u>GR-205</u> ☐ <u>GR-206</u> ☐ <u>GR-207</u> ☐ <u>GR-208</u> ☐ <u>GR-209</u> ☐ <u>GR-210</u> ☐ <u>GR-211</u> ☐ <u>GR-212</u> ☐ <u>GR-213</u> ☐ <u>GR-214</u> ☐ <u>GR-215</u> ☐ <u>GR-216</u> ☐ <u>GR-217</u> ☐ <u>GR-218</u> ☐ <u>GR-219</u> ☐ <u>GR-220</u> ☐ <u>GR-221</u> ☐ <u>GR-222</u> ☐ <u>GR-223</u> ☐ <u>GR-224</u> ☐ <u>GR-225</u> ☐ <u>GR-226</u> ☐ <u>GR-227</u> ☐ <u>GR-228</u> ☐ <u>GR-229</u> ☐ <u>GR-230</u> ☐ <u>GR-231</u> ☐ <u>GR-232</u> ☐ <u>GR-233</u> ☐ <u>GR-234</u> ☐ <u>GR-235</u> ☐ <u>GR-236</u> ☐ <u>GR-237</u> ☐ <u>GR-238</u> ☐ <u>GR-239</u> ☐ <u>GR-240</u> ☐ <u>GR-241</u> ☐ <u>GR-242</u> ☐ <u>GR-243</u> ☐ <u>GR-244</u> ☐ <u>GR-245</u> ☐ <u>GR-246</u> ☐ <u>GR-247</u> ☐ <u>GR-248</u> ☐ <u>GR-249</u> ☐ <u>GR-250</u> ☐ <u>GR-251</u> ☐ <u>GR-252</u> ☐ <u>GR-253</u> ☐ <u>GR-254</u> ☐ <u>GR-255</u> ☐ <u>GR-256</u> ☐ <u>GR-257</u> ☐ <u>GR-258</u> ☐ <u>GR-259</u> ☐ <u>GR-260</u> ☐ <u>GR-261</u> ☐ <u>GR-262</u> ☐ <u>GR-263</u> ☐ <u>GR-264</u> ☐ <u>GR-265</u> ☐ <u>GR-266</u> ☐ <u>GR-267</u> ☐ <u>GR-268</u> ☐ <u>GR-269</u> ☐ <u>GR-270</u> ☐ <u>GR-271</u> ☐ <u>GR-272</u> ☐ <u>GR-273</u> ☐ <u>GR-274</u> ☐ <u>GR-275</u> ☐ <u>GR-276</u> ☐ <u>GR-277</u> ☐ <u>GR-278</u> ☐ <u>GR-279</u> ☐ <u>GR-280</u> ☐ <u>GR-281</u> ☐ <u>GR-282</u> ☐ <u>GR-283</u> ☐ <u>GR-284</u> ☐ <u>GR-285</u> ☐ <u>GR-286</u> ☐ <u>GR-287</u> ☐ <u>GR-288</u> ☐ <u>GR-289</u> ☐ <u>GR-290</u> ☐ <u>GR-291</u> ☐ <u>GR-292</u> ☐ <u>GR-293</u> ☐ <u>GR-294</u> ☐ <u>GR-295</u> ☐ <u>GR-296</u> ☐ <u>GR-297</u> ☐ <u>GR-298</u> ☐ <u>GR-299</u> ☐ <u>GR-300</u> ☐ <u>GR-301</u> ☐ <u>GR-302</u> ☐ <u>GR-303</u> ☐ <u>GR-304</u> ☐ <u>GR-305</u> ☐ <u>GR-306</u> ☐ <u>GR-307</u> ☐ <u>GR-308</u> ☐ <u>GR-309</u> ☐ <u>GR-310</u> ☐ <u>GR-311</u> ☐ <u>GR-312</u> ☐ <u>GR-313</u> ☐ <u>GR-314</u> ☐ <u>GR-315</u> ☐ <u>GR-316</u> ☐ <u>GR-317</u> ☐ <u>GR-318</u> ☐ <u></u>							

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NYLAP 101187

ELAP 10079

Microscope OLYMP BH-2

Client / Project ALC/LeFrak Organization / Build 400 Project No. 30301Analysis Date 10/3/01 Analyst CPerry/gpx Batch No. 30301

1	Field No. <u>99</u>	Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
			Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>42</u>	Extinction RI <u>1.05</u>	Chrysotile <u>0.25</u>	36.8 Cellulose	33 Mineral Filler	Organic Residue	Organic Binders
Homogeneity <u>4</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:			Asbestos ☒ Detected Yes No Delisted Yes No		RI <u>1.05</u> Color, Pico <u>1</u> Sign <u>+</u>		Amosite <u>0</u> Other <u>0</u>		30 Fiberglass	Vermiculite	Carbonate
Method: ☒ 10x ☐ 100x ☐ 1000x ☐ 10000x			Scanning Electron Microscopy (SEM) ☐		FTIR ☐		XRF ☐		D.C. ☐		

2	Field No. <u>50</u>	Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
			Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>42</u>	Extinction RI <u>1.05</u>	Chrysotile <u>0.25</u>	32.4 Cellulose	27 Mineral Filler	Organic Residue	Organic Binders
Homogeneity <u>4</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:			Asbestos ☒ Detected Yes No Delisted Yes No		RI <u>1.05</u> Color, Pico <u>1</u> Sign <u>+</u>		Amosite <u>0</u> Other <u>0</u>		40 Fiberglass	Vermiculite	Carbonate
Method: ☒ 10x ☐ 100x ☐ 1000x ☐ 10000x			Scanning Electron Microscopy (SEM) ☐		FTIR ☐		XRF ☐		D.C. ☐		

3	Field No. <u>51</u>	Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
			Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>42</u>	Extinction RI <u>1.05</u>	Chrysotile <u>0.25</u>	36 Cellulose	34 Mineral Filler	Organic Residue	Organic Binders
Homogeneity <u>4</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:			Asbestos ☒ Detected Yes No Delisted Yes No		RI <u>1.05</u> Color, Pico <u>1</u> Sign <u>+</u>		Amosite <u>0</u> Other <u>0</u>		30 Fiberglass	Vermiculite	Carbonate
Method: ☒ 10x ☐ 100x ☐ 1000x ☐ 10000x			Scanning Electron Microscopy (SEM) ☐		FTIR ☐		XRF ☐		D.C. ☐		

4	Field No. <u>52</u>	Gravimetric (HOB) Required ☐ Recommended ☐ Gravimetric PREP ☐ Gravimetric (HOB) PLM ☐ Gravimetric (HOB) TEM ☐	Stereoscopic Exam		PLM Optical Properties		Asbestos Results PLM %		Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
			Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>42</u>	Extinction RI <u>1.05</u>	Chrysotile <u>0.25</u>	40 Cellulose	26 Mineral Filler	Organic Residue	Organic Binders
Homogeneity <u>4</u> # of Layers <u>4</u> Color of Layer <u>tan</u> Comments:			Asbestos ☒ Detected Yes No Delisted Yes No		RI <u>1.05</u> Color, Pico <u>1</u> Sign <u>+</u>		Amosite <u>0</u> Other <u>0</u>		34 Fiberglass	Vermiculite	Carbonate
Method: ☒ 10x ☐ 100x ☐ 1000x ☐ 10000x			Scanning Electron Microscopy (SEM) ☐		FTIR ☐		XRF ☐		D.C. ☐		

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ELAP 80878

All test copy OLYP B11-2

Client / Project ALC / LeFrax Organization / Build. 400 Project No 30381

Analysis Date 10/3/01 Analyst Urey/gst Batch No 30381

Field No. <u>53</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>62</u>	Chrysotile <u>16</u>	Cellulose <u>33</u>	Mineral Filler <u>30</u>	Organic <u> </u>
Homogeneity <u>7</u>	Asbestos <u>7</u>	RI II <u>1.71</u>	Amosite <u> </u>	Fiberglass <u>37</u>	Organic Binders <u> </u>	Residue <u> </u>
# of Layers <u>7</u>	Detected <u>Yes</u>	DS Color <u>6/10</u>	Other <u> </u>	Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>
Color of Layer <u> </u>	Not Detected <u>No</u>	Sign <u> </u>			Other <u> </u>	Other <u> </u>
Comments: <u> </u>						Asbestos <u> </u>
Method: <u> </u>						

Field No. <u>54</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>62</u>	Chrysotile <u>16</u>	Cellulose <u>40</u>	Mineral Filler <u>28</u>	Organic <u> </u>
Homogeneity <u>7</u>	Asbestos <u>7</u>	RI II <u>1.71</u>	Amosite <u> </u>	Fiberglass <u>32</u>	Organic Binders <u> </u>	Residue <u> </u>
# of Layers <u>7</u>	Detected <u>Yes</u>	DS Color <u>6/10</u>	Other <u> </u>	Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>
Color of Layer <u> </u>	Not Detected <u>No</u>	Sign <u> </u>			Other <u> </u>	Other <u> </u>
Comments: <u> </u>						Asbestos <u> </u>
Method: <u> </u>						

Field No. <u>55</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>62</u>	Chrysotile <u>0.55</u>	Cellulose <u>40</u>	Mineral Filler <u>28</u>	Organic <u> </u>
Homogeneity <u>7</u>	Asbestos <u>7</u>	RI II <u>1.71</u>	Amosite <u> </u>	Fiberglass <u>30</u>	Organic Binders <u> </u>	Residue <u> </u>
# of Layers <u>7</u>	Detected <u>Yes</u>	DS Color <u>6/10</u>	Other <u> </u>	Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>
Color of Layer <u> </u>	Not Detected <u>No</u>	Sign <u> </u>			Other <u> </u>	Other <u> </u>
Comments: <u> </u>						Asbestos <u> </u>
Method: <u> </u>						

Field No. <u>56</u>	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
Color <u>tan</u>	Texture <u>fib</u>	Morphology <u>62</u>	Chrysotile <u>0.55</u>	Cellulose <u>39</u>	Mineral Filler <u>28</u>	Organic <u> </u>
Homogeneity <u>7</u>	Asbestos <u>7</u>	RI II <u>1.71</u>	Amosite <u> </u>	Fiberglass <u>34</u>	Organic Binders <u> </u>	Residue <u> </u>
# of Layers <u>7</u>	Detected <u>Yes</u>	DS Color <u>6/10</u>	Other <u> </u>	Other <u> </u>	Vermiculite <u> </u>	Carbonate <u> </u>
Color of Layer <u> </u>	Not Detected <u>No</u>	Sign <u> </u>			Other <u> </u>	Other <u> </u>
Comments: <u> </u>						Asbestos <u> </u>
Method: <u> </u>						

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NY 101-10187

ELAP 10070

Microscope OLYMP BH-2

Client / Project ALC / eFax Organization Build 400 Project No.

Analysis Date	10/3/01	Analyst	U. Rivera	Datch No	30324
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Batch No

30321

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
61	Color Tan Homogeneity X # of Layers 9 Color of Layer Comments:	Texture F Asbestos X Detected Yes No Method: ☒ Low ☐ High ☐ Other	Extinction RI II 1.556 Color, Pico N Sign F	25 Cellulose 35 Fiberglass Other	40 Mineral Filler Organic Binders Vermiculite Other	Organic Residue Carbonate Other Asbestos
62	Color Tan Homogeneity X # of Layers Color of Layer Comments:	Texture F Asbestos X Detected Yes No Method: ☒ Low ☐ High ☐ Other	Extinction RI II 1.556 Color, Pico N Sign F	27 Cellulose 38 Fiberglass Other	35 Mineral Filler Organic Binders Vermiculite Other	Organic Residue Carbonate Other Asbestos
63	Color Tan Homogeneity X # of Layers Color of Layer Comments:	Texture F Asbestos X Detected Yes No Method: ☒ Low ☐ High ☐ Other	Extinction RI II 1.556 Color, Pico N Sign F	25 Cellulose 37 Fiberglass Other	28 Mineral Filler Organic Binders Vermiculite Other	Organic Residue Carbonate Other Asbestos
64	Color Tan Homogeneity X # of Layers Color of Layer Comments:	Texture F Asbestos X Detected Yes No Method: ☒ Low ☐ High ☐ Other	Extinction RI II 1.556 Color, Pico N Sign F	23 Cellulose 35 Fiberglass Other	42 Mineral Filler Organic Binders Vermiculite Other	Organic Residue Carbonate Other Asbestos

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NVLAP 101101
ECLAP 10070

ВЕРХНЕОБЛАТОНСКИЙ РАЙОН

Client / Project ALC / LeFrax Organization / Build 400 Project No. _____

Analysis Date 10/3/01 Analyst CPK/ya/pr Balch No.

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
65	Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u> </u> Comments: <u> </u>	Texture <u>fib</u> Asbestos <u> </u> Detected Yes <u> </u> No <u> </u>	Morphology <u>W</u> RI <u>1.14</u> DS Color <u> </u> Biref <u> </u> Sign <u> </u>	Chrysotile <u>0.50</u> Amosite <u> </u> Other <u> </u>	Mineral Filler <u>24</u> Organic Binders <u> </u> Vermiculite <u> </u> Other <u> </u>	Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Oxide <u> </u> Asbestos <u> </u>
66	Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u> </u> Comments: <u> </u>	Texture <u>fib</u> Asbestos <u> </u> Detected Yes <u> </u> No <u> </u>	Morphology <u>W</u> RI <u>1.14</u> DS Color <u> </u> Biref <u> </u> Sign <u> </u>	Chrysotile <u>72</u> Amosite <u> </u> Other <u> </u>	Mineral Filler <u>20</u> Organic Binders <u> </u> Vermiculite <u> </u> Other <u> </u>	Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Oxide <u> </u> Asbestos <u> </u>
67	Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u> </u> Comments: <u> </u>	Texture <u>F</u> Asbestos <u> </u> Detected Yes <u> </u> No <u> </u>	Morphology <u>W</u> RI <u>1.14</u> DS Color <u> </u> Biref <u> </u> Sign <u> </u>	Chrysotile <u>35</u> Amosite <u>40</u> Other <u> </u>	Mineral Filler <u>25</u> Organic Binders <u> </u> Vermiculite <u> </u> Other <u> </u>	Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Oxide <u> </u> Asbestos <u> </u>
68	Color <u>tan</u> Homogeneity <u>Y</u> # of Layers <u>4</u> Color of Layer <u> </u> Comments: <u> </u>	Texture <u>F</u> Asbestos <u> </u> Detected Yes <u> </u> No <u> </u>	Morphology <u>W</u> RI <u>1.14</u> DS Color <u> </u> Biref <u> </u> Sign <u> </u>	Chrysotile <u>37</u> Amosite <u>42</u> Other <u> </u>	Mineral Filler <u>21</u> Organic Binders <u> </u> Vermiculite <u> </u> Other <u> </u>	Organic <u> </u> Residue <u> </u> Carbonate <u> </u> Oxide <u> </u> Asbestos <u> </u>

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WAP 109107

ELAP 10870

Microscope OLYMP BH12

Client / Project ALC/Leifox Organization/Build. 400 Project No. _____

Project No.

Batch No. 30329

11/27/90

Analysis

Analysis Date

[illegible]

2	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (%OB)
		Color _____ Homogeneity _____ # of Layers _____ Color of Layer _____	Morphology _____ Ril _____ DS Color _____ Biref _____ Sign _____	Chrysotile _____ Amosite _____ Other _____	Celulose _____ Fiberglass _____ Other _____	Mineral Filler _____ Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
		Comments:					
		Method: ☐ Dark - 70% ☐ 90% ☐ 100% ☐ 100% ☐ 100% ☐ 100%					
		Bottom Count Number of the Plate					

J	Field No.	Stereoscopic Exam:	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (% HOB)	
	Gravimetric (%HOB) Required ☐	Color _____ Homogeneity _____ # of Layers _____ Color of Layer _____	Morphology _____ RIU _____ DS Color _____ Biref _____	Chrysotile _____ Amosite _____ Other _____	Cellose _____ Fiberglass _____ Other _____	Mineral Filler _____ Organic Binders _____ Vermiculite _____ Other _____	_____ Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos	
	Remains on filter ☐ Gravimetric (%HOB) ☐ Gravimetric (%HOB) PLM ☐ Gravimetric (%HOB) TEAL ☐	Comments: _____						
	Paper cutting results on filter bag	Method: ☐ HOP / ☐ JPP / ☐ HA / ☐ OMS	Sealing location: ☐ Top / ☐ Side / ☐ Bottom = 0					

4	Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
		Color _____ Homogeneity _____ # cell layers _____ Color of Layer _____	Isotropy _____ RI I _____ DS Color _____ Biref _____	Chrysotile _____ Amosite _____ Other _____	Cellulose _____ Fiberglass _____ Other _____	Mineral Filler _____ Organic Binders _____ Vermiculite _____ Other _____	Organic _____ Residue _____ Carbontate _____ Other _____ Asbestos _____
		Comments: _____					
		Method: ☐ 100% ☐ 50% ☐ 25% ☐ 10% ☐ Other _____					
		Sounding/Condition: ☐ Excellent ☐ Fair ☐ Poor ☐ Bad ☐ Other _____					



The First Choice for Environmental Testing & Consulting

3026

Asbestos Bulk CHAIN OF CUSTODY

DATE OF SAMPLING: 10 / 01 / 01

PROJECT NAME:

Lefrak Organization - Gateway Plaza
375 South End Ave (Building 400)

PROJECT ADDRESS:

TURN AROUND TIME (circle one):

4hr

24hr

24hr

48hr

72hr

Sample #	Material	Area Being Sampled	Home Area	Result of Lab Analysis
1	Miscellaneous	Liv Rm / Win	1	ug/ft ²
2		" FLR		ug/ft ²
3		BEDR WIN		ug/ft ²
4		" "		ug/ft ²
5		" FLR		ug/ft ²
6		LIVING RM FLR		ug/ft ²
7		" - WIN		ug/ft ²
8		" - FLR		ug/ft ²
9		" - FLR		ug/ft ²
10		BDRM WIN		ug/ft ²
11		BDRM WIN		ug/ft ²
12		LIVING RM FLR		ug/ft ²
13		" WIN		ug/ft ²
14		LIV RM WIN		ug/ft ²
15		BEDRM WIN		ug/ft ²
16		LIV RM WIN		ug/ft ²
17		LIV RM WIN		ug/ft ²
18		BEDRM WIN		ug/ft ²
19		P LIVRM WIN		ug/ft ²
20		P BEDRM WIN		ug/ft ²

P11

20 = Total Number of Samples on this Page

Sampled by (Inspector's Name):

Received at Lab by:

Laboratory Name:

[Signature]
[Signature] at ALC

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3026

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CHAIN OF CUSTODY

DATE OF SAMPLING: 1/1/11
 PROJECT NAME: LeFrak Organization - Gateway Plaza
 PROJECT ADDRESS: _____

TURN AROUND TIME (circle one):

4hr 12hr 24hr 48hr 72hr

Sample #	Material	Area Being Sampled	Home Area	Result of Lab Analysis
21	Miscellaneous	PII	1 LIVING WIN	ug/m ²
22			3/0 BEDRM WIN	ug/m ²
23			1/0 BEDRM WIN	ug/m ²
24			3/0 KIDS LOUNGRM	ug/m ²
25				ug/m ²
26				ug/m ²
27				ug/m ²
28				ug/m ²
29				ug/m ²
30				ug/m ²
31				ug/m ²
32				ug/m ²
33				ug/m ²
34				ug/m ²
35				ug/m ²
36				ug/m ²
37				ug/m ²
38				ug/m ²
39				ug/m ²
40				ug/m ²

4 = Total Number of Samples on this Page

Sampled by (Inspector's Name): [Signature]

Received at Lab by: [Signature]

Laboratory Name: _____

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NYLAP 101107

ELAP 10078

Microscope OI VP BII-2

Client / Project

ALC / 375 South End Ave

Project No.

3026

Analysis Date

10/26/01

Analyst

jward

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (NOB) Results %
1	Color: <u>tan</u> Homogeneity: <u>Y</u> # of Layers: <u>4</u> Color of Layer: <u>tan</u> Delicacy: <u>Yes</u> Comments:	Morphology: <u>RI II</u> Extinction: <u>RI II</u> DS Color: <u>Color Pico</u> Biref: <u>Sign</u>	Chrysotile: <u>25</u> Amosite: <u>30</u> Other: <u>QC</u>	Cellulose: <u>45</u> Fiberglass: <u>45</u> Other: <u>QC</u>	Mineral Filler: <u>45</u> Organic Binders: <u>45</u> Vermiculite: <u>45</u> Other: <u>QC</u>	Organic: <u>45</u> Residue: <u>45</u> Carbonate: <u>45</u> Other: <u>QC</u> Asbestos: <u>45</u>
Method: ☒ PLM ☐ IR ☐ XRD ☐ SEM ☐ EDX ☐ ICP ☐ AAS ☐ GC ☐ MS ☐ Other: <u>QC</u>						
2	Color: <u>tan</u> Homogeneity: <u>Y</u> # of Layers: <u>4</u> Color of Layer: <u>tan</u> Delicacy: <u>Yes</u> Comments:	Morphology: <u>RI II</u> Extinction: <u>RI II</u> DS Color: <u>Color Pico</u> Biref: <u>Sign</u>	Chrysotile: <u>25</u> Amosite: <u>30</u> Other: <u>QC</u>	Cellulose: <u>45</u> Fiberglass: <u>45</u> Other: <u>QC</u>	Mineral Filler: <u>45</u> Organic Binders: <u>45</u> Vermiculite: <u>45</u> Other: <u>QC</u>	Organic: <u>45</u> Residue: <u>45</u> Carbonate: <u>45</u> Other: <u>QC</u> Asbestos: <u>45</u>
Method: ☒ PLM ☐ IR ☐ XRD ☐ SEM ☐ EDX ☐ ICP ☐ AAS ☐ GC ☐ MS ☐ Other: <u>QC</u>						
3	Color: <u>tan</u> Homogeneity: <u>Y</u> # of Layers: <u>4</u> Color of Layer: <u>tan</u> Delicacy: <u>Yes</u> Comments:	Morphology: <u>RI II</u> Extinction: <u>RI II</u> DS Color: <u>Color Pico</u> Biref: <u>Sign</u>	Chrysotile: <u>25</u> Amosite: <u>30</u> Other: <u>QC</u>	Cellulose: <u>45</u> Fiberglass: <u>45</u> Other: <u>QC</u>	Mineral Filler: <u>45</u> Organic Binders: <u>45</u> Vermiculite: <u>45</u> Other: <u>QC</u>	Organic: <u>45</u> Residue: <u>45</u> Carbonate: <u>45</u> Other: <u>QC</u> Asbestos: <u>45</u>
Method: ☒ PLM ☐ IR ☐ XRD ☐ SEM ☐ EDX ☐ ICP ☐ AAS ☐ GC ☐ MS ☐ Other: <u>QC</u>						
4	Color: <u>tan</u> Homogeneity: <u>Y</u> # of Layers: <u>4</u> Color of Layer: <u>tan</u> Delicacy: <u>Yes</u> Comments:	Morphology: <u>RI II</u> Extinction: <u>RI II</u> DS Color: <u>Color Pico</u> Biref: <u>Sign</u>	Chrysotile: <u>25</u> Amosite: <u>30</u> Other: <u>QC</u>	Cellulose: <u>45</u> Fiberglass: <u>45</u> Other: <u>QC</u>	Mineral Filler: <u>45</u> Organic Binders: <u>45</u> Vermiculite: <u>45</u> Other: <u>QC</u>	Organic: <u>45</u> Residue: <u>45</u> Carbonate: <u>45</u> Other: <u>QC</u> Asbestos: <u>45</u>
Method: ☒ PLM ☐ IR ☐ XRD ☐ SEM ☐ EDX ☐ ICP ☐ AAS ☐ GC ☐ MS ☐ Other: <u>QC</u>						

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REF ID: A6 101167

ELAP 10879

ULY'S BAIT 7

Client / Project

Project No.

Analysis Date

Batch No

Analysis!

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Fibrous %	Non Fibrous %	Graumatic (HOB) Results %
1	Color <u>Tan</u> Homogeneity <u>X</u> # of Layers Color all Layer — Comments:	Morphology <u>w/</u> RII <u>(-)</u> DS Color <u>white</u> Biref. <u>C</u> Texture <u>F</u> Asbestos <u>0</u> Defected Yes <u>No</u>	Extinction II Anisole <u>(+)</u> Color Pico <u>L</u> Sign <u>+</u>	Cellulose <u>20</u> Fiberglass <u>30</u> Other	Mineral Filler <u>10</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
Method: ☐ 10x ☒ 100x ☐ 1000x ☐ other						
2	Color <u>Tan</u> Homogeneity <u>X</u> # of Layers Color all Layer — Comments:	Morphology <u>w/</u> RII <u>(-)</u> DS Color <u>white</u> Biref. <u>C</u> Texture <u>F</u> Asbestos <u>0</u> Defected Yes <u>No</u>	Extinction II Anisole <u>(+)</u> Color Pico <u>L</u> Sign <u>+</u>	Cellulose <u>20</u> Fiberglass <u>30</u> Other	Mineral Filler <u>10</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
Method: ☐ 10x ☒ 100x ☐ 1000x ☐ other						
3	Color <u>Tan</u> Homogeneity <u>X</u> # of Layers Color all Layer — Comments:	Morphology <u>w/</u> RII <u>(-)</u> DS Color <u>white</u> Biref. <u>C</u> Texture <u>F</u> Asbestos <u>0</u> Defected Yes <u>No</u>	Extinction II Anisole <u>(+)</u> Color Pico <u>L</u> Sign <u>+</u>	Cellulose <u>20</u> Fiberglass <u>30</u> Other	Mineral Filler <u>10</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
Method: ☐ 10x ☒ 100x ☐ 1000x ☐ other						
4	Color <u>Tan</u> Homogeneity <u>X</u> # of Layers Color all Layer — Comments:	Morphology <u>w/</u> RII <u>(-)</u> DS Color <u>white</u> Biref. <u>C</u> Texture <u>F</u> Asbestos <u>0</u> Defected Yes <u>No</u>	Extinction II Anisole <u>(+)</u> Color Pico <u>L</u> Sign <u>+</u>	Cellulose <u>20</u> Fiberglass <u>30</u> Other	Mineral Filler <u>10</u> Organic Binders Vermiculite Other	Gravimetric (HOB) Results % Organic Residue Carbonate Other Asbestos
Method: ☐ 10x ☒ 100x ☐ 1000x ☐ other						

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HVLA# 101147

FLAG 10270

BYC101C000 OLYP N11-2

ALC / 375 South End Ave

Client / Project

Project No.

12/20/11

Batch No. 9203

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Fibrous %	Gravimetric (HOB) Results %
1	Color: Tan Homogeneity: Y # of Layers: 2 Color of 1st layer: Color of 2nd layer: Color of 3rd layer: Color of 4th layer: Comments: Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x ☐ 1200x ☐ 1500x ☐ 2000x ☐ 2500x ☐ 3000x ☐ 3500x ☐ 4000x ☐ 4500x ☐ 5000x ☐ 5500x ☐ 6000x ☐ 6500x ☐ 7000x ☐ 7500x ☐ 8000x ☐ 8500x ☐ 9000x ☐ 9500x ☐ 10000x ☐ 10500x ☐ 11000x ☐ 11500x ☐ 12000x ☐ 12500x ☐ 13000x ☐ 13500x ☐ 14000x ☐ 14500x ☐ 15000x ☐ 15500x ☐ 16000x ☐ 16500x ☐ 17000x ☐ 17500x ☐ 18000x ☐ 18500x ☐ 19000x ☐ 19500x ☐ 20000x ☐ 20500x ☐ 21000x ☐ 21500x ☐ 22000x ☐ 22500x ☐ 23000x ☐ 23500x ☐ 24000x ☐ 24500x ☐ 25000x ☐ 25500x ☐ 26000x ☐ 26500x ☐ 27000x ☐ 27500x ☐ 28000x ☐ 28500x ☐ 29000x ☐ 29500x ☐ 30000x ☐ 30500x ☐ 31000x ☐ 31500x ☐ 32000x ☐ 32500x ☐ 33000x ☐ 33500x ☐ 34000x ☐ 34500x ☐ 35000x ☐ 35500x ☐ 36000x ☐ 36500x ☐ 37000x ☐ 37500x ☐ 38000x ☐ 38500x ☐ 39000x ☐ 39500x ☐ 40000x ☐ 40500x ☐ 41000x ☐ 41500x ☐ 42000x ☐ 42500x ☐ 43000x ☐ 43500x ☐ 44000x ☐ 44500x ☐ 45000x ☐ 45500x ☐ 46000x ☐ 46500x ☐ 47000x ☐ 47500x ☐ 48000x ☐ 48500x ☐ 49000x ☐ 49500x ☐ 50000x ☐ 50500x ☐ 51000x ☐ 51500x ☐ 52000x ☐ 52500x ☐ 53000x ☐ 53500x ☐ 54000x ☐ 54500x ☐ 55000x ☐ 55500x ☐ 56000x ☐ 56500x ☐ 57000x ☐ 57500x ☐ 58000x ☐ 58500x ☐ 59000x ☐ 59500x ☐ 60000x ☐ 60500x ☐ 61000x ☐ 61500x ☐ 62000x ☐ 62500x ☐ 63000x ☐ 63500x ☐ 64000x ☐ 64500x ☐ 65000x ☐ 65500x ☐ 66000x ☐ 66500x ☐ 67000x ☐ 67500x ☐ 68000x ☐ 68500x ☐ 69000x ☐ 69500x ☐ 70000x ☐ 70500x ☐ 71000x ☐ 71500x ☐ 72000x ☐ 72500x ☐ 73000x ☐ 73500x ☐ 74000x ☐ 74500x ☐ 75000x ☐ 75500x ☐ 76000x ☐ 76500x ☐ 77000x ☐ 77500x ☐ 78000x ☐ 78500x ☐ 79000x ☐ 79500x ☐ 80000x ☐ 80500x ☐ 81000x ☐ 81500x ☐ 82000x ☐ 82500x ☐ 83000x ☐ 83500x ☐ 84000x ☐ 84500x ☐ 85000x ☐ 85500x ☐ 86000x ☐ 86500x ☐ 87000x ☐ 87500x ☐ 88000x ☐ 88500x ☐ 89000x ☐ 89500x ☐ 90000x ☐ 90500x ☐ 91000x ☐ 91500x ☐ 92000x ☐ 92500x ☐ 93000x ☐ 93500x ☐ 94000x ☐ 94500x ☐ 95000x ☐ 95500x ☐ 96000x ☐ 96500x ☐ 97000x ☐ 97500x ☐ 98000x ☐ 98500x ☐ 99000x ☐ 99500x ☐ 100000x ☐ 100500x ☐ 101000x ☐ 101500x ☐ 102000x ☐ 102500x ☐ 103000x ☐ 103500x ☐ 104000x ☐ 104500x ☐ 105000x ☐ 105500x ☐ 106000x ☐ 106500x ☐ 107000x ☐ 107500x ☐ 108000x ☐ 108500x ☐ 109000x ☐ 109500x ☐ 110000x ☐ 110500x ☐ 111000x ☐ 111500x ☐ 112000x ☐ 112500x ☐ 113000x ☐ 113500x ☐ 114000x ☐ 114500x ☐ 115000x ☐ 115500x ☐ 116000x ☐ 116500x ☐ 117000x ☐ 117500x ☐ 118000x ☐ 118500x ☐ 119000x ☐ 119500x ☐ 120000x ☐ 120500x ☐ 121000x ☐ 121500x ☐ 122000x ☐ 122500x ☐ 123000x ☐ 123500x ☐ 124000x ☐ 124500x ☐ 125000x ☐ 125500x ☐ 126000x ☐ 126500x ☐ 127000x ☐ 127500x ☐ 128000x ☐ 128500x ☐ 129000x ☐ 129500x ☐ 130000x ☐ 130500x ☐ 131000x ☐ 131500x ☐ 132000x ☐ 132500x ☐ 133000x ☐ 133500x ☐ 134000x ☐ 134500x ☐ 135000x ☐ 135500x ☐ 136000x ☐ 136500x ☐ 137000x ☐ 137500x ☐ 138000x ☐ 138500x ☐ 139000x ☐ 139500x ☐ 140000x ☐ 140500x ☐ 141000x ☐ 141500x ☐ 142000x ☐ 142500x ☐ 143000x ☐ 143500x ☐ 144000x ☐ 144500x ☐ 145000x ☐ 145500x				

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

NYLAP 101187

ELAP 10879

Microscope Of VP B11.2

Client / Project ALC / 375 South End Ave

Project No. _____

Analysis Date 10/20/01Analyst JamesBatch No. 3026

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color <u>Th</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>Yes</u> No <u>No</u> Detected <u>Yes</u> No <u>No</u> Comments: _____ Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x	Morphology <u>RI II</u> DS Color <u>Color, Pico</u> Blue <u>Sign</u>	Chrysotile _____ Amphibole _____ Other _____	Cellulose <u>25</u> Fiberglass <u>30</u> Other _____ Q.C. ☐	Mineral Filler <u>45</u> Organic Binders _____ Vermiculite _____ Other _____ Q.C. ☐	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
2	Color <u>Th</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>Yes</u> No <u>No</u> Detected <u>Yes</u> No <u>No</u> Comments: _____ Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x	Morphology <u>RI II</u> DS Color <u>Color, Pico</u> Blue <u>Sign</u>	Chrysotile _____ Amphibole _____ Other _____	Cellulose <u>35</u> Fiberglass <u>30</u> Other _____ Q.C. ☐	Mineral Filler <u>45</u> Organic Binders _____ Vermiculite _____ Other _____ Q.C. ☐	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
3	Color <u>Th</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>Yes</u> No <u>No</u> Detected <u>Yes</u> No <u>No</u> Comments: _____ Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x	Morphology <u>RI II</u> DS Color <u>Color, Pico</u> Blue <u>Sign</u>	Chrysotile _____ Amphibole _____ Other _____	Cellulose <u>35</u> Fiberglass <u>30</u> Other _____ Q.C. ☐	Mineral Filler <u>45</u> Organic Binders _____ Vermiculite _____ Other _____ Q.C. ☐	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____
4	Color <u>Th</u> Homogeneity <u>h</u> # of Layers <u>1</u> Color of Layer <u>Yes</u> No <u>No</u> Detected <u>Yes</u> No <u>No</u> Comments: _____ Method: ☒ 100x ☐ 200x ☐ 400x ☐ 600x ☐ 800x ☐ 1000x	Morphology <u>RI II</u> DS Color <u>Color, Pico</u> Blue <u>Sign</u>	Chrysotile _____ Amphibole _____ Other _____	Cellulose <u>35</u> Fiberglass <u>30</u> Other _____ Q.C. ☐	Mineral Filler <u>45</u> Organic Binders _____ Vermiculite _____ Other _____ Q.C. ☐	Organic _____ Residue _____ Carbonate _____ Other _____ Asbestos _____

REVAMP 101127
EELAP 10070
MICROSCOPE OL

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7.91c103 corp OLYP B11-2

ALC/375 Sample End. Are

Project No.

Batch No 5020

Analysis

Analysis Data

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color: <u>tan</u> Homogeneity: <u>h</u> # of Layers: <u>2</u> Color of Layer: <u>—</u> Comments: <u>—</u>	Morphology: <u>wt</u> RI: <u>—</u> DS Color: <u>Color, Pico</u> Biref: <u>—</u> Texture: <u>—</u> Asbestos: <u>h</u> Detected: <u>Yes</u> No: <u>—</u>	Extinction: <u>RI</u> Amosite: <u>—</u> Other: <u>—</u>	Cellulose: <u>20</u> Fiberglass: <u>25</u> Other: <u>—</u>	Mineral Filler: <u>h</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>2</u> Color of Layer: <u>—</u> Comments: <u>—</u>	Morphology: <u>wt</u> RI: <u>—</u> DS Color: <u>Color, Pico</u> Biref: <u>—</u> Texture: <u>—</u> Asbestos: <u>h</u> Detected: <u>Yes</u> No: <u>—</u>	Extinction: <u>RI</u> Amosite: <u>—</u> Other: <u>—</u>	Cellulose: <u>20</u> Fiberglass: <u>25</u> Other: <u>—</u>	Mineral Filler: <u>h</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>2</u> Color of Layer: <u>—</u> Comments: <u>—</u>	Morphology: <u>wt</u> RI: <u>—</u> DS Color: <u>Color, Pico</u> Biref: <u>—</u> Texture: <u>—</u> Asbestos: <u>h</u> Detected: <u>Yes</u> No: <u>—</u>	Extinction: <u>RI</u> Amosite: <u>—</u> Other: <u>—</u>	Cellulose: <u>20</u> Fiberglass: <u>25</u> Other: <u>—</u>	Mineral Filler: <u>h</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>2</u> Color of Layer: <u>—</u> Comments: <u>—</u>	Morphology: <u>wt</u> RI: <u>—</u> DS Color: <u>Color, Pico</u> Biref: <u>—</u> Texture: <u>—</u> Asbestos: <u>h</u> Detected: <u>Yes</u> No: <u>—</u>	Extinction: <u>RI</u> Amosite: <u>—</u> Other: <u>—</u>	Cellulose: <u>20</u> Fiberglass: <u>25</u> Other: <u>—</u>	Mineral Filler: <u>h</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>

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NYLAP 00187

ELAP 10478

Microscope OLYMPUS BH-2

Client / Project

ALC / 375 South End Ave

Project No

Batch No 3026

Analysis Date

10/26/01

Analyst

pww

Field No.	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous %	Non Fibrous %	Gravimetric (HOB) Results %
1	Color: <u>tan</u> Homogeneity: <u>X</u> # of Layers: <u>1</u> Color of Layer: <u>tan</u> Comments:	Morphology: <u>extinction</u> RI I: <u>1.5</u> RI II: <u>1.5</u> DS Color: <u>color phase</u> Biref: <u>sign</u>	Chrysotile: <u>100</u> Amphibole: <u>0</u> Other: <u>0</u>	Cellulose: <u>20</u> Fiberglass: <u>70</u> Other: <u>0</u>	Mineral Filler: <u>50</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>
2	Color: <u>tan</u> Homogeneity: <u>X</u> # of Layers: <u>1</u> Color of Layer: <u>tan</u> Comments:	Morphology: <u>extinction</u> RI I: <u>1.5</u> RI II: <u>1.5</u> DS Color: <u>color phase</u> Biref: <u>sign</u>	Chrysotile: <u>100</u> Amphibole: <u>0</u> Other: <u>0</u>	Cellulose: <u>20</u> Fiberglass: <u>70</u> Other: <u>0</u>	Mineral Filler: <u>50</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>
3	Color: <u>tan</u> Homogeneity: <u>X</u> # of Layers: <u>1</u> Color of Layer: <u>tan</u> Comments:	Morphology: <u>extinction</u> RI I: <u>1.5</u> RI II: <u>1.5</u> DS Color: <u>color phase</u> Biref: <u>sign</u>	Chrysotile: <u>100</u> Amphibole: <u>0</u> Other: <u>0</u>	Cellulose: <u>20</u> Fiberglass: <u>70</u> Other: <u>0</u>	Mineral Filler: <u>50</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>
4	Color: <u>tan</u> Homogeneity: <u>X</u> # of Layers: <u>1</u> Color of Layer: <u>tan</u> Comments:	Morphology: <u>extinction</u> RI I: <u>1.5</u> RI II: <u>1.5</u> DS Color: <u>color phase</u> Biref: <u>sign</u>	Chrysotile: <u>100</u> Amphibole: <u>0</u> Other: <u>0</u>	Cellulose: <u>20</u> Fiberglass: <u>70</u> Other: <u>0</u>	Mineral Filler: <u>50</u> Organic Binders: <u>0</u> Vermiculite: <u>0</u> Other: <u>0</u>	Organic: <u>0</u> Residue: <u>0</u> Carbonate: <u>0</u> Other: <u>0</u> Asbestos: <u>0</u>

7.14 Air Sampling Results



104 East 25th Street
New York, New York 10010
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212.353.8280
Fax 212.353.8306

October 12, 2001

ATC 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. 5671.

Client: Gateway Plaza Mngt. Corp.
Project Name: Building 400 at Gateway Plaza - 375 South End Ave.
Location: Various Sites
Samples received: 10/12/01

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, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, less than 70 asbestos structures per mm² was detected in all of the thirty 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. Gorycki, 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. Gorycki, Ph.D.
Director of Electron Microscopy

1) Value of T - Statistics : N/A

Average-

N/A

N/A

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 NVTAP or any agency of the U.S. Government.

MP

Analyzed by:
Marek Peysakhov

Michael A. Gorycki

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

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

APPROVED NY STATE DOH ELAP # 10679
ACCREDITED NYSIDAP Lab Code # 1107

Summary of TEM Results

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

DATE 10/13/01

Project/Site Identification: Gateway Plaza Mgmt. Corp., 375 South End Ave., NY
Bldg. 400, Various Sites

CONCLUSION:

STATISTICAL SUMMARY

1) Inside Samples

Asbestos Concentration					
TEM#	Project #	Volume (L)	S/m ²	S/cc	ngm/m ³
Average-			N/A	N/A	N/A

2) Outside Samples

TEM#	Project #	Volume (L)	Asbestos Concentration		
			S/m ²	S/cc	ngm/m ³
5671- 60957	1	1000	0.0	0.0048 *	
5671- 60958	2	1000	0.0	0.0048 *	
5671- 60959	3	1000	0.0	0.0048 *	
5671- 60960	4	1000	0.0	0.0048 *	
5671- 60961	5	1000	0.0	0.0048 *	
5671- 60962	6	1000	0.0	0.0048 *	
5671- 60963	7	1000	0.0	0.0048 *	
5671- 60964	8	1000	0.0	0.0048 *	
5671- 60965	9	1000	0.0	0.0048 *	
5671- 60966	10	1000	0.0	0.0048 *	
5671- 60967	11	1000	0.0	0.0048 *	
5671- 60968	12	1000	0.0	0.0048 *	
5671- 60969	13	1000	44.5	0.0095	
5671- 60970	14	1000	0.0	0.0048 *	
5671- 60971	15	1000	0.0	0.0048 *	
5671- 60972	16	1000	0.0	0.0048 *	
5671- 60973	17	1000	0.0	0.0048 *	
5671- 60974	18	1000	0.0	0.0048 *	
5671- 60975	19	1000	24.2	0.0048	
5671- 60976	20	1000	0.0	0.0048 *	
5671- 60977	21	1000	0.0	0.0048 *	
5671- 60978	22	1000	0.0	0.0048 *	
5671- 60979	23	1000	0.0	0.0048 *	
5671- 60980	24	1000	0.0	0.0048 *	
5671- 60981	25	1000	0.0	0.0048 *	
5671- 60982	26	1000	0.0	0.0048 *	
5671- 60983	27	1000	22.2	0.0048	
5671- 60984	28	1000	0.0	0.0048 *	
5671- 60985	29	1000	22.2	0.0048	
5671- 60986	30	1000	22.2	0.0048	
Average-			6.7	0.0053	47

3) Blanks

TEM#	Project #	Asbestos Concentration		
		S/m ²	S/cc	ngm/m ³
5671- 60987	31	-	Not Analyzed	-
5671- 60988	32	-	Not Analyzed	-
5671- 60989	33	-	Not Analyzed	-
5671- 60990	34	-	Not Analyzed	-

2074

2611

Client: Gateway Plaza Mgmt. Corp.

Sampled By: A. Rodriguez

Work Area: 375 Sothen Ave NLC - Bldg. 400 - 6th - 15th Fls.

Date: 10-11-01

Rotometer #: 400

Project #: 10-11-01

Sample #	Lab #	Sample Location	Code	Time	Total Minutes	Flow Rate	Total Volume	# Fibers / 100 Flds	Rate F/m ³
9		Living Rm.	4	1039 1339	180	10.0 10.0	1800		<22.3
10		Living Rm.	4	1040 1340	180	10.0 10.0	1800		<22.3
11		Living Rm.	4	1045 1345	180	10.0 10.0	1800		<22.3
12		4th floor Hallway East	4	1046 1346	180	10.0 10.0	1800		<22.3
13		4th floor Hallway West	4	1047 1347	180	10.0 10.0	1800		<22.3
14		Living Rm.	4	1048 1348	180	10.0 10.0	1800		44.6
15		Living Rm.	4	1049 1349	180	10.0 10.0	1800		<22.3
16		Living Rm.	4	1055 1355	180	10.0 10.0	1800		<22.3

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

Analysis: ☒ TEM/AMRA ☐ TEM/Philadelphia ☐ FCM NIOSH 7400

Received: 10/12/01 Disposal By/Date: 10/12/01

Relinquished: 10/12/01 By: PRY

Analyst: ARC-TEPM

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3011
3 0 4

Client: Gateways Plaza Air Sampling Data Form
 Sampled By: H. Rodriguez Jr.
 Work Area: 275 South End Ave. NYC - Bldg. 400 - 6th - 1st Fls.

Date: 10-11-01
 Project #: ASSETTE 2001-1743
 Recorder #: #2

Sample #	Lab #	Sample Location	Code	Time Start	Time Stop	Total Minutes	Flow Rate Start	Flow Rate Stop	Tr. Volume	# Fibers /100 Fields	Results (ppcf)
17		3rd floor, Hallway - West	4	1416	1416	180	10.0	10.0	1800		<22.3
18		3rd floor, Hallway - East	4	1417	1417	180	10.0	10.0	1800		<22.3
19		Living Rm.	4	1418	1418	180	10.0	10.0	1800		<22.3
20		Living Rm.	4	1419	1419	180	10.0	10.0	1800		22.3
21		Living Rm.	4	1421	1421	180	10.0	10.0	1800		<22.3
22		Living Rm.	4	1422	1422	180	10.0	10.0	1800		<22.3
23		2nd floor, Hallway - East	4	1423	1423	180	10.0	10.0	1800		<22.3
24		2nd floor, Hallway - West	4	1424	1424	180	10.0	10.0	1800		<22.3

Analysis: ☒ TEM AIR/ERA ☐ TEM PPM/SLIP/SLIP
 Relinquished Analyst: [Signature] Date/Time: 10/12/01
 Received: ATC Date/Time: 10/12/01
 Disposal By/Date: _____

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5611
4034

Asbestos Air Sampling Data Form

Client: Gateway Plaza Mgmt. Corp.

Sampled By: H. Hernandez

Work Area: 375 South Street Ave. NYC - Bldg 400 - 6th - 1st Fls.

Date: 10-11-01

Rotometer #: 47

Project #: CASSETTE 2001/1763

Sample #	Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/100ft ²)
				Start	Stop		Start	Stop			
25		P II	4	1425	1435	10	10.0	10.0	100		<22.3
26		P II	4	1437	1447	10	10.0	10.0	100		<22.3
27		P II	4	1438	1448	10	10.0	10.0	100		22.3
28		P II	4	1439	1449	10	10.0	10.0	100		<22.3
29		1st floor, Hallway East	4	1430	1440	10	10.0	10.0	100		22.3
30		1st floor, Hallway West	4	1431	1441	10	10.0	10.0	100		22.3
31		Field Blank									
32		Seated Blank									
33											
34											

Codes: 1. Pre-Test
2. Project

3. Final

4. Investigative

5. Personal

6. Duplicate

A. Aggressive
D. DominantI. Inside V. Area
O. Outside V. AreaB. Excursion
T. TWA

Analysis

☒ TEM AHURA☐ TEM Full-Depth☐ PCM NIOSH 7460

Temperatures

☐ ASAP☐ 2 Day (48hr)☒ Same Day (12hr)

Relinquished

Date/Time

By: R. Kelly

Received

Date/Time

Disposal By/Date

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October 11, 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. 5661.

Client: Gateway Plaza Mngt. Corp.
Project Name: Building 400 at Gateway Plaza - 375 South End Ave.
Location: Various Sites
Samples received: 10/10/01

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, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, less than 70 asbestos structures per mm² was detected in all of the twenty-five 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. Gorycki, 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,

A handwritten signature in cursive script that reads 'Michael A. Gorycki'.

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

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

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

Summary of TEM Results

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

DATE: 10/11/01

Project/Site Identification: Gateway Plaza Maint. Corp., 375 South End Ave.
Building 400, 11th to 7th Floors

CONCLUSION:

STATISTICAL SUMMARY

1) Inside Samples

TEM#	Project #	Volume(l)	<u>Asbestos Concentration</u>		
			S/mm^2	S/cc	ngm/m^3
			Average=	N/A	N/A

2) Outside Samples

TEM#	Project #	Volume(l)	S/mm ²	S/cc	ngm/m ³
5661- 60868	1	1800	22.2	0.0048	
5661- 60869	2	1800	22.2	0.0048	
5661- 60870	3	1800	22.2	0.0048	
5661- 60871	4	1800	0.0	0.0048 *	
5661- 60872	5	1800	0.0	0.0048 *	
5661- 60873	6	1800	0.0	0.0048 *	
5661- 60874	7	1800	0.0	0.0048 *	
5661- 60875	8	1800	0.0	0.0048 *	
5661- 60876	9	1800	0.0	0.0048 *	
5661- 60877	10	1800	44.5	0.0095	
5661- 60878	11	1800	0.0	0.0048 *	
5661- 60879	12	1800	22.2	0.0048	
5661- 60880	13	1800	44.5	0.0095	
5661- 60881	14	1800	22.2	0.0048	
5661- 60882	15	1800	0.0	0.0048 *	
5661- 60883	16	1800	22.2	0.0048	
5661- 60884	17	1800	22.2	0.0048	
5661- 60885	18	1800	0.0	0.0048 *	
5661- 60886	19	1800	0.0	0.0048 *	
5661- 60887	20	1800	22.2	0.0048	
5661- 60888	21	1800	0.0	0.0048 *	
5661- 60889	22	1800	44.5	0.0095	
5661- 60890	23	1800	22.2	0.0048	
5661- 60891	24	1800	0.0	0.0048 *	
5661- 60892	25	1800	0.0	0.0048 *	
Average=			13.2	0.0051	94

3) Blanks

TEM#	Project #	S/mm ²	S/cc	ngm/m ³
5661- 60893	26	- - - - -	Not Analyzed	- - - - -
5661- 60894	27	- - - - -	Not Analyzed	- - - - -
5661- 60895	28	- - - - -	Not Analyzed	- - - - -
5661- 60896	29	- - - - -	Not Analyzed	- - - - -
Average=		N/A	N/A	N/A

4) Value of T - Statistic: 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.

Analyzed by:
Marek Peysakhov


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

1 of 4

Asbestos Air Sampling Data Form

Client: 5005 Gateway Plaza Mgmt. Corp. 25/29
 Sampled By: A. Kooki 6088
 Work Area: 375 Southern Ave NYC - Bldg. 400 - 11th - 14th Fls. 10-10-01
 Rotometer #: #2 Project #: Settle 2001-743



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Sample #	Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	Fibers /100 Ft ³	Remarks
				Start	Stop		Start	Stop			
1		Living Rm.	4	1030	1030	180	10.0	10.0	1800		
2		11th floor, Hallway East.	4	1031	1031	180	10.0	10.0	1800		
3		11th floor, Hallway West.	4	1032	1032	180	10.0	10.0	1800		
4		P11 - Living Rm.	4	1033	1033	180	10.0	10.0	1800		
5		P11 - Living Rm.	4	1034	1034	180	10.0	10.0	1800		
6		P11 - Living Rm.	4	1036	1036	180	10.0	10.0	1800		
7		10th floor, Hallway East.	4	1037	1037	180	10.0	10.0	1800		
8		10th floor, Hallway West.	4	1038	1038	180	10.0	10.0	1800		

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

Analysis: ☒ TEM ALPHA ☐ TEM PHOTOMIC ☐ PCM NIOSH 7400

Turnaround: ☐ ASA ☐ 2 Day ☐ 1 Day

Reinforced: ☐ Same Day (12 hr)

Relinquished: [Signature] Date/Time: 10/10/01
 Analyst: [Signature] Disposal By/Date: [Signature]

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2 of 4



The First Choice for Environmental Testing & Consulting

Client: Gateway Plaza Mgmt. Corp.
 Sampled By: A. Rodriguez Jr.
 Work Area: 375 Southend Ave. NYC - Bldg. 400 - 14th - 7th fls. Cassette: 724

Date: 10-10-01

Project #:

#2

Rotometer #:

400

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (U/cc)
			Start	Stop		Start	Stop			
9	P II Living Rm.	4	1039	1239	180	10.0	10.0	1800		
10	P II Living Rm.	4	1040	1240	180	10.0	10.0	1800		
11	P II Living Rm.	4	1430	1630	180	10.0	10.0	1800		
12	P II Living Rm.	4	1431	1631	180	10.0	10.0	1800		
13	9th floor, Hallway East.	4	1432	1632	180	10.0	10.0	1800		
14	9th floor, Hallway West.	4	1433	1633	180	10.0	10.0	1800		
15	P II Living Rm.	4	1434	1634	180	10.0	10.0	1800		
16	P II Living Rm.	4	1436	1636	180	10.0	10.0	1800		

Analysis: ☒ TEM/AFM ☐ TEM/EDS ☐ PCM NIOSH 7400

Relinquished: A. Rodriguez Jr. Date/Time: 10/10/01

Analysis: ☐ Pre-Test ☐ Final ☐ Investigative ☐ 6. During

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

Aggregates: ☐ A. Aggregates ☐ D. Dormant

Excursion: ☐ L. Inside Work Area ☐ O. Outside Work Area ☐ T. TWA

Transferred: ☐ ASAP ☐ 2 Day (48hr) ☒ Same Day (12hr)

Received: 10/10/01 Date/Time: 10/10/01

Disposal By/Date: 10/10/01

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Asbestos Air Sampling Data Form

Client: Gateway Plaza Mgmt. Corp. Date: 10-10-01
 Sampled By: H. Koochikoff Rotometer #: #2 Project #: C95842-2001-74
 Work Area: 375 South Street Ave. NYC - Bldg. 400 - 14th - 7th Fls.

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 M ³	Results (f/cc)
			Start	Stop		Start	Stop			
17	Living Rm.	4	1437	1737	180	10.0	10.0	1800		
18	Living Rm.	4	1438	1738	180	10.0	10.0	1800		
19	8th floor, Hallway East.	4	1439	1739	180	10.0	10.0	1800		
20	8th floor, Hallway West.	4	1440	1740	180	10.0	10.0	1800		
21	Living Rm.	4	1500	1800	180	10.0	10.0	1800		
22	Living Rm.	4	1501	1801	180	10.0	10.0	1800		
23	7th floor, Hallway East.	4	1502	1802	180	10.0	10.0	1800		
24	7th floor, Hallway West.	4	1503	1803	180	10.0	10.0	1800		

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Duplicate 7. Inside Work Area 8. Outside Work Area 9. Airway

Analysis: ☒ TEM AHRA ☐ TEM Philadelphia ☐ PCM NIOSH 7400

Received: [Signature] Date/Time: 10/10/01

Disposal By/Date: ATC/EM/10/10/01

Relinquished: [Signature] Date/Time: 10/10/01

Analyst: ATC/EM/10/10/01

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October 9, 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. 5648.

Client: Midstate
Project Name: Building 400 at Gateway Plaza - 375 South End Ave.
Location: Various Sites
Samples received: 10/09/01

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, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, no asbestos structures were detected in any of the thirty 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 post-abatement inside samples pass, the response action may be considered to have been completed. The analyses were supervised by Dr. Michael A. Gorycki, 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,

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

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

294

Asbestos Air Sampling Data Form

Client: Mid-State

Sampled By: H. Rodriguez Jr.

Work Area: 375 Sothen end due N.C. - Bldg. 400

Date: 10-9-01

Rotometer #: 400 - 18th Flrs.

Project #: Cassette 30701 #1742

Sample #	Lab #	Sample Location	Code	Time	Total Minutes	Flow Rate	Start	Stop	Vol. (L)	# Fibers /100 Fields	Results (Use)
9		Living Rm.	4	1206	180	10.0	10.0	10.0	1800		< 22.3
10		Living Rm.	4	1208	180	10.0	10.0	10.0	1800		< 22.3
11		Living Rm.	4	1215	180	10.0	10.0	10.0	1800		< 22.3
12		16th floor, Hallway East.	4	1216	180	10.0	10.0	10.0	1800		< 22.3
13		16th floor, Hallway West.	4	1218	180	10.0	10.0	10.0	1800		< 22.3
14		Living Rm.	4	1220	180	10.0	10.0	10.0	1800		< 22.3
15		Living Rm.	4	1221	180	10.0	10.0	10.0	1800		< 22.3
16		Living Rm.	4	1245	180	10.0	10.0	10.0	1800		< 22.3

Codes: 1. Pre-Test 2. Project 3. Field 4. Investigative 5. Personal 6. Duplicate 7. Inside Work Area 8. Outside Work Area 9. Same Day (12h) 10. ASAP 11. 2 Day (48h)

Analysis

TEM AHERA
TEM Philadelphia

PCM NIOSH 7400

Relinquished

Date/Time

Received

Date/Time

Analyst

Disposal By/Date

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3 of 4

Asbestos Air Sampling Data Form

Client: Mid-State

Date: 10-9-01

Sampled By: H. Gonzalez

Rotometer #: 184-400-184

Project #: 10-9-01

Work Area: 375 South Street and NLC - Bldg. 400 - 18th - 12th Flrs. Casette 384-17-1243

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/100)
			Start	Stop		Start	Stop			
17	15th floor hallway East	4	1516	1846	180	10.0	10.0	1800		< 22.3
18	15th floor hallway West	4	1548	1848	180	10.0	10.0	1800		< 22.3
19	P= Living Rm.	4	1550	1850	180	10.0	10.0	1800		< 22.3
20	P= Living Rm.	4	1557	1857	180	10.0	10.0	1800		< 22.3
21	P= Living Rm.	4	1554	1854	180	10.0	10.0	1800		< 22.3
22	P= Living Rm.	4	1556	1856	180	10.0	10.0	1800		< 22.3
23	14th floor hallway East	4	1557	1857	180	10.0	10.0	1800		< 22.3
24	14th floor hallway West	4	1558	1858	180	10.0	10.0	1800		< 22.3

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. JWL/C 7. Inside Work Area 8. Outside Work Area 9. Excursion T. TWA

Analysis: TEM/AM/RA ☒ TEM/Philadelphia ☐ PCM NIOSH 7400 ☐ ASAP ☐ 2 Day (48hr) ☒ Same Day (1 day)

Relinquished Analyst: Michael J. [Signature] Date/Time: 10/10/01 8:50 Received: [Signature] Date/Time: 10/10/01 8:50

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Date: 10-9-01

10

Project #:

Project #:

Assette Zelen #1713

# Fibers	Results
1	100%
2	100%
3	100%
4	100%
5	100%
6	100%
7	100%
8	100%
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11	100%
12	100%
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11

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Area
Mark Area

☒ Same Day (1st)

☒ Same Day (1-2 hr)

1

Date/Time _____

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October 9, 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. 5642.

Client: Midstate/Lefrak, Gateway Plaza
Project Name: Bldg. 400, 375 South End Avenue, NY, NY
Location: Various Sites
Samples received: 10/09/01

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, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, no asbestos structures were detected in any of the thirty 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. Gorycki, 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,

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

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

The First Choice for Environmental Testing & Consulting

Asbestos Air Sampling Data Form

Client:

Sampled By:

Work Area:

Rotometer #:

Project #:

Sample #	Lab #	Sample Location	Code	Time	Total Minutes	Flow Rate	Total Volume	# 100 FLO's	Results
1		LIVING RM	4	9:45 AM - 12:45 PM	180	10	1800		<22.3
2		BED	4	9:45 PM - 12:45 AM	180	10	1800		<22.3
3		LIVING RM	4	9:50 PM - 12:50 AM	180	10	1800		<22.3
4		HALLWAY 24th outside Apt 24A	4	9:55 PM - 12:55 AM	180	10	1800		<22.3
5		LIVING RM	4	10:00 PM - 1:00 AM	180	10	1800		<22.3
6		LIV	4	10:05 PM - 1:05 AM	180	10	1800		<22.3
7		BED RM	4	10:10 PM - 1:10 AM	180	10	1800		<22.3
8		HALLWAY 23rd outside Apt 23A	4	10:15 PM - 1:15 AM	180	10	1800		<22.3

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Qual. 7. A. Aggressive D. Dormant L. Inside V. k Area O. Outside V. k Area H. Exhaustive T. T/A

Analysis: TEM AHRA TEM Filterable TEM NIOSH 7400 Turnaround: ASAP 2 Day (48hr) 3 Day (72hr)

Relinquished: A. BLANK Date/Time: 10/09/01 Received: ATC AD Date/Time: 10/09/01

Analyst: ATC-TEM BY RCH Date/Time: 11:30 AM Disposal By/Date: 11:30 AM

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The First Choice for Environmental Testing & Consulting

BUILDING # 400

5642

Asbestos Air Sampling Data Form

Client: MID STATE / L&PRAK Date: 10-9-01
 Sampled By: A. BLAKE Rotometer #: 201 Project #: MANHATTAN
 Work Area: GATEWAY PLAZA 647 LIVING 400, 375 SOUTH ST AVE

Sample #	Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results
				Start	Stop		Start	Stop			
17		P= LIVING RM	4	1:55 AM	4:55 AM	180	10	10	1800		<22.3
18		P= BEDROOM	4	2:00 AM	5:00 AM	180	10	10	1800		<22.3
19		P= LIVING ROOM	4	2:05 AM	5:05 AM	180	10	10	1800		<22.3
20		P= BED ROOM	4	2:10 AM	5:10 AM	180	10	10	1800		<22.3
21		HALLWAY 21 FLR OUTSIDE AT 21 F	4	2:15 AM	5:15 AM	180	10	10	1800		<22.3
22		P= LIVING RM / BED RM	4	2:20 AM	5:20 AM	180	10	10	1800		<22.3
23		P= BED ROOM	4	2:25 AM	5:25 AM	180	10	10	1800		<22.3
24		P= LIVING ROOM	4	2:28 AM	5:28 AM	180	10	10	1800		<22.3

Analysis: ☒ TEM AHURA ☐ TEM Philadelphia ☐ PCM NIOSH 1400
 Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative
 Turnaround: ☐ ASAP ☐ 2 Day (48hr) ☐ 5 Days (12hr)
 Received: ATC Date/Time: 10/9/01 7:00 PM

Relinquished: A. BLAKE Date/Time: 10/9/01 11:40 AM
 Analyst: ATC-TEM By: RLY Disposal By/Date: 10/9/01 11:40 AM

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5642 BUILDING 400

Asbestos Air Sampling Data Form

Client:

MID STATES / CERRA

Sampled By:

A. Blake

Work Area:

GATEWAY PLAZA BUILDING 400

Date:

10-9-01

Rotometer #:

001

Project #:

MANHATTAN

Sample #	Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Result
				Start	Stop		Start	Stop			
25		HALL-WAY 20 FL	4	2:32 PM	5:30 PM	180	10	10	1800		<22.3
26		OUTSIDE AT 24	4	2:30 PM	5:30 PM	180	10	10	1800		<22.3
27		BED ROOM	4	2:40 PM	5:30 PM	180	10	10	1800		<22.3
28		P11	4	2:49 PM	5:44 PM	180	10	10	1800		<22.3
29		LIVING / BED ROOM	4	2:48 PM	5:48 PM	180	10	10	1800		<22.3
30		BED ROOM	4	2:52 PM	5:52 PM	180	10	10	1800		<22.3
31		HALL-WAY 19 FL	4	2:56 PM	5:56 PM	180	10	10	1800		<22.3
32		OUTSIDE AT 19A	4								<22.3
		BLANK	4								

Codes: 1. Pre-Test
2. Project3. Final
4. Investigative5. Personal
6. Qual. / QC7. Inside Work Area
8. Outside Work Area9. E-Test
10. T-Test

Analysis

☒ TEM/ASAP
☐ TEM/Philadelphia

☐ TEM/NIOSH 7400

☐ ASAP
☐ 2 Day (48hr)

☐ 30 Day (90)

Roll In/Out

A. Blake

Date/Time

10.09.01

Received

ATC

Date/Time 10/9/01

Analyst

ATC-TEM

By

RBY

Disposal By/Date

11:40 AM

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212.353.8280
Fax 212.353.8306

October 9, 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. 5641.

Client: Lefrak Organization
Project Name: Bldg. 400
Location: Various Sites
Samples received: 10/09/01

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, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, less than 70 asbestos structures per mm³ was detected in all of the twenty-nine 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. Gorycki, 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. Gorycki, Ph.D.
Director of Electron Microscopy

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

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

Summary of TEM Results

DATE: 10/09/01

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

Project/Site Identification: Lefrak Org., Bldg. 400
Various Sites

CONCLUSION:

STATISTICAL SUMMARY

1) Inside Samples

TEM#	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)	Asbestos Concentration		
			S/mm ²	S/cc	ngm/m ³
5641- 60593	D-1	1800	0.0	0.0048 *	
5641- 60594	D-2	1800	0.0	0.0048 *	
5641- 60595	D-3	1800	0.0	0.0048 *	
5641- 60596	D-4	1800	0.0	0.0048 *	
5641- 60597	D-5	1800	0.0	0.0048 *	
5641- 60598	D-6	1800	0.0	0.0048 *	
5641- 60599	D-7	1800	0.0	0.0048 *	
5641- 60600	D-8	1800	0.0	0.0048 *	
5641- 60601	D-9	1800	0.0	0.0048 *	
5641- 60602	D-10	1800	0.0	0.0048 *	
5641- 60603	D-11	1800	0.0	0.0048 *	
5641- 60604	D-12	1800	0.0	0.0048 *	
5641- 60605	D-13	1800	0.0	0.0048 *	
5641- 60606	D-14	1800	0.0	0.0048 *	
5641- 60607	D-15	1800	0.0	0.0048 *	
5641- 60608	D-16	1800	22.2	0.0048 *	
5641- 60609	D-17	1800	0.0	0.0048 *	
5641- 60610	D-18	1800	0.0	0.0048 *	
5641- 60611	D-19	1800	0.0	0.0048 *	
5641- 60612	D-20	1800	0.0	0.0048 *	
5641- 60613	D-21	1800	0.0	0.0048 *	
5641- 60614	D-22	1800	0.0	0.0048 *	
5641- 60615	D-23	1800	0.0	0.0048 *	
5641- 60616	D-24	1800	0.0	0.0048 *	
5641- 60617	D-25	1800	0.0	0.0048 *	
5641- 60618	D-26	1800	0.0	0.0048 *	
5641- 60619	D-27	1800	0.0	0.0048 *	
5641- 60620	D-28	1800	0.0	0.0048 *	
5641- 60621	D-29	1800	0.0	0.0048 *	
		Average=	0.8	0.0048	5

3) Blanks

TEM#	Project #	Asbestos Concentration		
		S/mm ²	S/cc	ngm/m ³
5641- 60622	D-30	- - - - -	Not Analyzed	- - - - -
5641- 60623	D-31	- - - - -	Not Analyzed	- - - - -
5641- 60624	D-32	- - - - -	Not Analyzed	- - - - -
5641- 60625	D-33	- - - - -	Not Analyzed	- - - - -
	Average=	N/A	N/A	N/A

4) Value of T - Statistic : 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

100



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PLANNING
ANALYSIS
PROJECT
ASSESS
POSTED

Asbestos Air Sampling Data Form

Client: ALC Environmental Date: 10/8/01

Sampled By: Benjamin Rotometer # 6093-60625 Project #:

Work Area: Lefty Organization Bed 400

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/m ³)
			Start	Stop		Start	Stop			
D-1	Living Room	4	10 ⁰⁰	13 ⁰⁰	180	10	10	1800		<22.3
D-2	30 floor Hallway outside apt 30U	4	10 ⁰²	13 ⁰²	180	10	10	1800		<22.3
D-3	Bed Room	4	10 ⁰⁴	13 ⁰⁴	180	10	10	1800		<22.3
D-4	Living Room	4	10 ⁰⁶	13 ⁰⁶	180	10	10	1800		<22.3
D-5	30 floor Hallway outside apt 30F	4	10 ⁰⁸	13 ⁰⁸	180	10	10	1800		<22.3
D-6	29 floor Hallway outside apt 29N	4	10 ¹⁵	13 ¹⁵	180	10	10	1800		<22.3
D-7	Bed Room	4	10 ¹⁷	13 ¹⁷	180	10	10	1800		<22.3
D-8	Living Room	4	10 ¹⁹	13 ¹⁹	180	10	10	1800		<22.3

Codes 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 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 (12hr) ☐ EUS4

Relinquished Date/Time 10/09/01 Received Date/Time 10/09/01

Analyst ATC-TEM Bx Ruy Disposal By/Date 10/09/01

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5641

6437

2 of 4

Asbestos Air Sampling Data Form

Client:

Sampled By:

Work Area:

Rotometer #:

Date:

Project #:

Bevinger
1st floor of garage 2nd floor Bed 400

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/100)
			Start	Stop		Start	Stop			
D-9	Bedroom	4	10 ²¹	13 ²¹	180	10	10	1800		FMNR <22.3
D-10	Living Room	4	10 ²³	13 ²³	180	10	10	1800		<22.3
D-11	Bed Room	4	10 ³⁰	13 ³⁰	180	10	10	1800		<22.3
D-12	28 floor Hallway outside apt 28C	4	10 ³²	13 ³²	180	10	10	1800		<22.3
D-13	28 floor Hallway outside apt 28T	4	10 ³⁴	13 ³⁴	180	10	10	1800		<22.3
D-14	Living Room	4	10 ³⁶	13 ³⁶	180	10	10	1800		<22.3
D-15	Bed Room	4	10 ³⁸	13 ³⁸	180	10	10	1800		<22.3
D-16	27 floor Hallway outside apt 27U	4	14 ²⁰	17 ²⁰	180	10	10	1800		22.3

Codes 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal

Analysis ☐ TEM AHERA ☐ TEM Philadelphia ☐ PCM NIOSH 7400

Aggressive A. Aggressive D. Dormant L. Inside Work Area O. Outside Work Area E. Excursion T. TWA

Turnaround ☐ ASAP ☐ 2 Day (48hr) ☐ Same Day (12hr) ☐ Fast

Relinquished Analyst ATC-TEM By Ryle 10/8/01 Date/Time 10/8/01 19:00

Received 10/8/01 Date/Time 10/8/01 19:00

Disposal By/Date 10/8/01

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Asbestos Air Sampling Data Form

Client:

5641 ALC Environmental

Sampled By:

Benjamin

Work Area:

10th & Broadway, 8th Fl

Date:

10/8/01

Project #:

Rotometer #:

800 400

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/100f)
			Start	Stop		Start	Stop			
D-17	Living Room	4	1422	1722	180	10	10	1800		<22.3
D-18	Bedroom	4	1424	1724	180	10	10	1800		<22.3
D-19	27th Floor Hallway outside apt 27J	4	1426	1726	180	10	10	1800		<22.3
D-20	Living Room	4	1428	1728	180	10	10	1800		<22.3
D-21	Bedroom	4	1435	1735	180	10	10	1800		<22.3
D-22	Living Room	4	1437	1737	180	10	10	1800		<22.3
D-23	26th Floor Hallway outside apt 26N	4	1439	1739	180	10	10	1800		<22.3
D-24	26th Floor Hallway outside apt 26R	4	1441	1741	180	10	10	1800		<22.3

Codes 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Aggravate 7. Inside Work Area 8. Excursion 9. Outside Work Area 10. TWA

Analysis

☐ TEM AHERA
☐ TEM Philadelphia

☐ PCM NIOSH 7400

Turnaround

☐ ASAP
☐ 2 Day (48hr)

☐ Same Day (12hr)
☐ Delay

Relinquished

Date/Time

Received

Date/Time

10.8.4 1900

Analyst

ATC-TEM By: [Signature]

Disposal By/Date

10.8.4 1900

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www.ALCEnvironmental.com

6437

4 of 4

Asbestos Air Sampling Data Form



The First Choice for Environmental Testing & Consulting

Client:

Sampled By:

Work Area:

Date:

Rotometer #:

Project #:

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (Best Estimate)
			Start	Stop		Start	Stop			
D-25	Bedroom	4	14:43	14:43	180	10	10	1800		Fluor <22.4
D-26	Living Room	4	14:50	14:50	180	10	10	1800		<22.4
D-27	25 floor hallway outside apt 25-H	4	14:52	14:52	180	10	10	1800		<22.4
D-28	Bedroom	4	14:54	14:54	180	10	10	1800		<22.4
D-29	25 floor hallway outside apt 25-J	4	14:56	14:56	180	10	10	1800		<22.4
D-30	Fixed Blank	4	15:00	15:00	180	10	10	1800		
D-31	Fixed Blank									
D-32	Fixed Blank									
D-33	Sealed Blank									

Codes 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Aggravative 7. Inside Work Area 8. Escursion 9. Outside Work Area 10. T. TWA

Analysis ☐ TEM AHBR ☐ TEM Philadelphia ☐ PCM NIOSH 7400 ☐ ASAP ☐ 2 Day (4hr) ☐ 2 Day (12hr) ☐ 2 Day (24hr)

Relinquished Analylist _____ Date/Time _____ Received _____ Date/Time 10.8.01 1900



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 air samples from our Group No. 5632.

Client: Midstate/Lefrak, Gateway Plaza
Project Name: Bldg. 400
Location: Various Sites
Samples received: 10/08/01

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, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, no asbestos structures were detected in any of the twenty-five 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. Gorycki, 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. Gorycki, Ph.D.
Director of Electron Microscopy

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

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

Summary of TEM Results

ALC Environmental
115 W. 20th Street, 11th Fl.
New York, NY 10001
Mr. Joshua Sarett

DATE: 10/08/01

Project/Site Identification: Midstate/Lefrak, Gateway Plaza, Bldg. 400
Various Sites

CONCLUSION:

STATISTICAL SUMMARY

1) Inside Samples

TEM#	Project #	Volume(l)	<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
5632- 60539	1	1800	0.0	0.0048 *	
5632- 60540	2	1800	0.0	0.0048 *	
5632- 60541	3	1800	0.0	0.0048 *	
5632- 60542	4	1800	0.0	0.0048 *	
5632- 60543	5	1800	0.0	0.0048 *	
5632- 60544	6	1800	0.0	0.0048 *	
5632- 60545	7	1800	0.0	0.0048 *	
5632- 60546	8	1800	0.0	0.0048 *	
5632- 60547	9	1800	0.0	0.0048 *	
5632- 60548	10	1800	0.0	0.0048 *	
5632- 60549	11	1800	0.0	0.0048 *	
5632- 60550	12	1800	0.0	0.0048 *	
5632- 60551	13	1800	0.0	0.0048 *	
5632- 60552	14	1800	0.0	0.0048 *	
5632- 60553	15	1800	0.0	0.0048 *	
5632- 60555	17	1800	0.0	0.0048 *	
5632- 60556	18	1800	0.0	0.0048 *	
5632- 60557	19	1800	0.0	0.0048 *	
5632- 60558	20	1800	0.0	0.0048 *	
5632- 60559	21	1800	0.0	0.0048 *	
5632- 60560	22	1800	0.0	0.0048 *	
5632- 60561	23	1800	0.0	0.0048 *	
5632- 60562	24	1800	0.0	0.0048 *	
5632- 60563	25	1800	0.0	0.0048 *	
5632- 60564	26	1800	0.0	0.0048 *	
Average=			0.0	0.0048	0

2) Outside Samples

TEM#	Project #	Volume (l)	<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
		Average=	N/A	N/A	N/A

3) Blanks

TEM#	Project #		<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
5632- 60554	16		- - - - -	Not Analyzed	- - - - -
5632- 60565	27		- - - - -	Not Analyzed	- - - - -
Average=			N/A	N/A	N/A

4) Value of T - Statistic : 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 NVEAP or any agency of the U.S. Government.

MP

Analyzed by:
Marek Peysakhov

Michael A. Gorycki

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

The First Choice for Environmental Testing & Consulting

Asbestos Air Sampling Data Form

Client:

Client:
Sampled By:

U.S. STATE DEPT

Date:

10-8-01

Sampled By:

A. Clark

Rotometer #: 00.1

Project #:

3.

Work Area:

GRATE WAY: PLATE

363 - 275 5

1/16/16

1

[illegible]

Codes	1. Pre-Test	3. Final	5. Personal	A. Aggressivity	L. Inside Work Area	O. Outside Work Area	R. Excitement

Analysis

□ TOMMY: YEAH.

Principles

100

□ **ASAP**
□ **2 Day (40hr)**

AS 112

galinimised

Date: 6/1/25

Received

Received

250.

1078/21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854

Analytist

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115 West 30th Street • 11th Floor • New York, New York 10011 • 212.279.1001 • 800.400.5020

Phone Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9499 • 888.789.8378 • Fax: 215.732.0533



The First Choice for Environmental Testing & Consulting

Client: 5632
MIA SAKS/LEFAR
 Asbestos Air Sampling Data Form
 Date: 10-7-01
 Project #: 10-7-01
 Sampled By: A. BLAKE
 Rotometer #: 001
 Work Area: GATEWAY PLAZA - BUILDING 400

Sample #	Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (f/cc)
				Start	Stop		Start	Stop			
17		LIVING ROOM	14	1240	340	180	10	10	1800		<22.3
18		LIVING ROOM	4	1244	344	180	10	10	1800		<22.3
19		LIVING ROOM	4	1248	348	180	10	10	1800		<22.3
20		BED ROOM	4	1252	352	180	10	10	1800		<22.3
21		HALL-WAY 32 Floor OUTSIDE APP 32K	14	1256	356	180	10	10	1800		<22.3
22		LIVING ROOM	4	1000	400	180	10	10	1800		<22.3
23		LIVING ROOM	4	1044	404	180	10	10	1800		<22.3
24		LIVING ROOM	4	1008	408	180	10	10	1800		<22.3

Codes: 1. Pre-Test 2. Project 3. Final 4. Investigative 5. Personal 6. Duplicate
 Analyte: ☒ TEM AHRA ☐ TEM Filterable ☐ PCM NIOSH 7400
 Relinquished: A. BLAKE Date/Time: 10/08/01
 Analyst: [Signature] Date/Time: 10/08/01
 Received: AEC Disposal By/Date: [Signature]
 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 • 888.789.38 • Fax: 215.732.9510



The first Choice for Environmental Testing & Consulting

Asbestos Air Sampling Data Form

Client: MID-STATE / LBBHLL Date: 10-8-01

Sampled By: A. BLAKE Rotometer #: POI Project #: _____

Work Area: GARAGE - PLAZA BUILDING G. 400 37 S. SOLEMAN ST. APT 31B MANASSAS VA

Sample # Lab #	Sample Location	Code	Time		Total Minutes	Flow Rate		Total Volume	# Fibers /100 Fields	Results (CFR)
			Start	Stop		Start	Stop			
25	D = BEDROOM	4	11:2 AM	4:12 PM	180	60	10	1800		< 22.3
26	HALLWAY 31st Floor OUTSIDE APT 31B	4	11:2 AM	4:16 PM	180	10	10	1800		< 22.3
27	FIELD BRANK									

Codes: 1. Pre-Test 2. Project

Analysis:
☒ TEM AHRA
☐ TEM Philadelphia

Date/Time: 10/8/01 11:40

Relinquished
Analyst: [Signature]

Disposal By/Date: Received: AFC JD Date/TIME 10/8/01 7:00

Taken from:
☐ ASAP
☐ 2 Day (48hr)
☒ Same Day (6 hr) KUSIT

L. Inside Work Area O. Outside Work Area B. Background TWA

A. Aggravated D. Dormant

S. Personal C. Jumper

Transposed

115 West 30th Street • 11th Floor • New York 10001 • 212.279.1001 • 888.466.3620 • Fax: 212.279.0777
 Home Office: The Bellevue • Suite 600 • 200 S. Broad Street • Philadelphia, PA 19102 • 215.732.9499 • 888.799.8378 • Fax: 215.732.9559

7.15 Air Sample Clearance 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 an air sample from our Group No. 5640.

Client: Lefrak Organization
Project Name: Bldg. 400
Location: Apartment 10U
Sample received: 10/09/01

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, 1987) for clearance of abatement sites. As indicated on the attached Summary Results sheet, no asbestos structures were detected in the single inside sample 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. Gorycki, 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. Gorycki, Ph.D.
Director of Electron Microscopy

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

APPROVED NY STATE DOH SLAB # 10879
ACCREDITED NVLAP Lab Code # 1187

Summary of TEM Results

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

DATE: 10/04/01

Project/Site Identification: Lefrak Organization, Bldg. 400
Apt. 10U

CONCLUSION:

STATISTICAL SUMMARY

1) Inside Samples

TEM#	Project #	Volume (l)	<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
5640- 60674	1	1000	0.0	0.0018	0
Average=			0.0	0.0048	0

2) Outside Samples

TEM#	Project #	Volume (l)	<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
		Average=	N/A	N/A	N/A

3) Blanks

TEM#	Project #		<u>Asbestos Concentration</u>		
			S/mm ²	S/cc	ngm/m ³
5640- 60675	2		Not Analyzed		
5640- 60676	3		Not Analyzed		
5640- 60677	4		Not Analyzed		
Average=			N/A	N/A	N/A

4) Value of T - Statistic 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.

up
Analyzed by:
Marek Peysakhov

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

115 W. 30th Street, 11th Fl.
 CLIENT: New York, New York 10001

212-279-1001

PROJECT NUMBER

PROJECT MANAGER

SITE Lofree Organization

DATE 10/8/01TECHNICIAN: Denny a guy

SIGNATURE

PAGE 1 OF 1

WHITE COPY - FOLDER
 PINK COPY - PROJECT MANAGER
 YELLOW COPY - LABORATORY

5640

Rush 1/4 60674-60672

SAMPLE INFORMATION		TIME (military)	FLOW RATE	VOLUME (l)	FIBERS/FIELD	RESULTS
SAMPLE #	DESCRIPTION / LOCATION	start end	start end	l/min		
10						
SAMPLE #	FIELD #					
10	apt 10 U	15:00	180	10	1800	2223
LAB #	Boel Room	1800	10			
PUMP #						
SAMPLE #	FIELD #					
2	Field Blank					N/A
LAB #						
PUMP #						
SAMPLE #	FIELD #					
3	Field Blank					N/A
LAB #						
PUMP #						
SAMPLE #	FIELD #					
4	Field Blank					N/A
LAB #						
PUMP #						
SAMPLE #	FIELD #					
SAMPLE #	FIELD #					FB
	FIEL BLANK					
SAMPLE #	FIELD #					FB
	FIEL BLANK					
SAMPLE #	FIELD #					

TECHNICIANS LOG				TYPE	RESULTS TO
CASSETTE	ROTMETER	TURNAROUND TIME			
☐ PCM (0.3 MICRON MCE)	ID#	☒ 2 HRS ☐ 24 HRS	☐ PRE-ABATE	☐ OSHA	NAME
☐ TEM (0.45 MICRON MCE)	C.F.	☐ 4 HRS ☐ 48 HRS	☒ DURING	☐ ENVIRON	PH/PG#
LOT #	CALIB. DATE	☐ 8 HRS ☐ OTHER	☐ POST-ABATE	☐ AMBIENT	DATE / / TIME :
CHAIN OF CUSTODY				DATE	TIME
RELINQUISHED BY: (print)				(sign)	
RECEIVED BY: (print) <u>R. Brondina</u>				(sign) <u>R. Brondina</u>	<u>10/8/01 19:00</u>
RELINQUISHED BY: (print)				(sign)	
RECEIVED BY: (print)				(sign)	
ENTERED BY: (print)				(sign)	
CORRECTED BY: (print)				(sign)	

LAB INFORMATION			COMMENTS
LAB NAME: <u>TEM</u>	METHODOLOGY	MICROSCOPE/SERIAL #	
ANALYZED BY: <u>W. C.</u>	☒ PCM - NIOSH 7400.A	☐ OLYMPUS BH2204104	
DATE: <u>10/8/01</u> TIME: <u>21:35</u>	☒ TEM - AHERA	☐ OLYMPUS CHS7C0021	
QC BY: _____	☐ TEM - EPA LEVEL II		

8. Certifications

8.1 Company License



STATE OF NEW YORK : DEPARTMENT OF LABOR
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

DOSH - License and Certificate Unit
PO Box 687, New York, NY 10014-0687

1768140



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

PII

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

215 lbs. 5' 11"

180069C

DOSH-442 (01/91)

 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

CERTIFICATE NUMBER

PII

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

140 lbs. 5' 0"

151565C

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)

TOTAL P. 2

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 LOWER	RANGE # UPPER	LAB @ PERFORMANCE	Z & SCORE
Paint Chips (%)	1	0.0375	0.0366	0.0265	0.0467	A	0.20
	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	0.1008	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

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

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

Mark A. Puster
Mark Puster, Ph.D., Chair,
Analytical Accreditation Board

Appendix A: Letter to Tenants for Re-Occupation



The First Choice for Environmental Testing & Consulting

October 16, 2001

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

Via Facsimile

Subject: **Gateway Plaza Building #400**

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.

Twelve (12) initial background air samples were collected and analyzed at building 400. Twelve (12) samples were analyzed via phase contrast microscopy (PCM) and two (2) were analyzed via Transmission Electron Microscopy (TEM). **All were below the permissible limits.**

Based on EPA Guidelines, we collected one hundred fifty-eight (158) bulk samples and analyzed them via Polarized Light Microscopy (PLM) Methodology. One (1) sample collected from one apartment was found to be slightly above the regulatory limits of 1%. **Zero (0)** were found to be above the regulatory limits upon further analysis at a second laboratory for quality control purposes. However, certified asbestos abatement contractors hired independently by the owner, were used to clean the specific apartment and the areas were cleared by ALC via TEM air sampling. **All air samples were found to be well below the permissible limits and the tenants where this cleaning took place have been notified of the clearance.**

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.

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

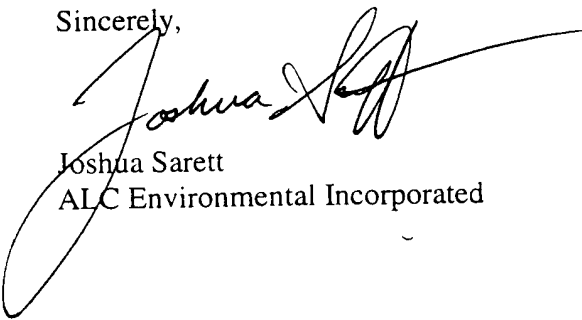
One hundred seventy (170) air samples were collected and analyzed via TEM Methodology. **The results indicated that the living areas achieved the acceptance criteria below <70 structures per mm² set by the above regulations.**

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 technicians.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Joshua Sarett", with a long horizontal flourish extending to the right.

Joshua Sarett
ALC Environmental Incorporated

Appendix B: Letter to Tenants in Apartments where
Final Air Clearance Was Performed



The First Choice for Environmental Testing & Consulting

October 9, 2001

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

Via Facsimile

Subject: Final Air Clearance Sampling: Gateway Plaza 375 South End Avenue Building
400: Apartment-10U

Gentlemen:

ALC Environmental Incorporated (ALC) (License #00-0358) 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.

Based on EPA Guidelines, we collected one (1) bulk sample from this apartment and analyzed it via Polarized Light Microscopy (PLM) Methodology. One sample collected from this apartment was found to be slightly above the regulatory limits of 1% by weight. **The sample was then forwarded to a second laboratory for further analysis and was determined to be below the regulatory limits.** (See Attached Results)

Approved Asbestos Abatement Inc. (License #99-1184), a certified asbestos abatement contractor hired independently by the owner, was used to clean this specific apartment.

Upon completion of the asbestos clean up procedures, a visual inspection was conducted in Apartment 10U of the 400 building at Gateway Plaza. No visible asbestos containing material (acm) or debris was observed, ALC then performed final air clearance sampling.

The areas were cleared by ALC via Transmission Electron Microscopy (TEM) Methodology. **The results indicated that the work areas achieved the acceptance criteria well below <70 structures per mm² set by the above regulations.**

The air sampling and analysis were 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.

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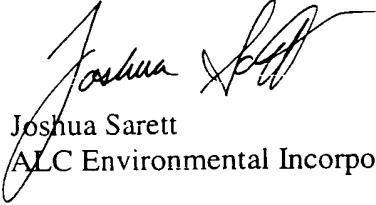
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www.ALCEnvironmental.com

The air samples were collected by Y. Benyaguya a licensed sampling technician (AH#95-21191) under the supervision of Americo Rodriguez Jr., a licensed project monitor (AH#89-07160)

~~ATC~~ Associates, a qualified laboratory (ELAP #10879, NVLAP #101187)) analyzed the bulk samples and air samples using the Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM) Methodology. Additionally, further analysis was performed by Scientific Laboratories Inc., a qualified laboratory (ELAP #11480 NVLAP 101904-1)

Sincerely,

A handwritten signature in black ink, appearing to read "Joshua Sarett", with a stylized flourish at the end.

Joshua Sarett
ALC Environmental Incorporated