

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

ENVIRONMENTAL INSPECTION REPORT

PROJECT LOCATIONS: 153 CHAMBERS STREET
NEW YORK, NY 10006

PREPARED FOR: JUDY MORTLOCK
ARNOLD S. WARWICK & COMPANY, LTD.

PREPARED BY: CLEAN AIR TESTING LABORATORIES
1111 STEELE BLVD
BALDWIN, NEW YORK, 11510
(516) 546-2640

Project #02-91
Controlled Copy on Grey Paper
Page 1 of 9

CITY_21MC100_002885694

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

DATE OF INSPECTION: 03/10/02

PROPERTY

Clean Air Testing Labs was retained to conduct an environmental inspection.

The property inspected was 153 Chambers Street, New York, NY. Sampling conducted consisted of PLM Bulk Sampling & ASTM Dust Sampling.

An on-site assessment of the premises was done on 03/10/02.

This assessment resulted in the following determination for asbestos abatement and the owner's responsibilities for the same.

INSPECTORS QUALIFICATIONS

This inspection was performed by David Berger who is an inspector for Clean Air Testing Labs and is licensed by the NY State Department of Labor (License # AH-95-10166).

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

PROCEDURES

Air filter samples are collected in the field and submitted to Clean Air Testing in the original cassette with appropriate descriptive paperwork, which includes the sample time, and pump flow rate for each cassette. Clean Air Testing Labs, perform a variety of analytical tests on air samples. Listed Below is an air method regularly performed.

(TEM) Transmission Electron Microscopy- AHERA Analysis and Clearance Protocols-(40 CFR Part 763, Appendix A to Subpart E)

The AHERA method uses a $\geq 5:1$ fiber aspect ratio and sets 0.5 μm as the minimum fiber length. Data is reported in ranges for all structures >0.5 microns in length and separately for those structures >5.0 microns in length. Restrictions on sample media, flow rate, sample loading and uniformity (as observed in the TEM) are set in order to assure reliable data. The AHERA method requires that the area of analysis be varied in order to provide an analytical sensitivity of 0.005 structures/cc of air for all sample.

Settled Dust Analysis is utilized at Clean Air Testing Labs, for a number of different applications. Analysis may involve a qualitative evaluation in order to screen for a variety or potential allergens or hazardous materials. Listed below is a Dust Methods regularly performed by Clean Air Testing Labs, Inc.

(TEM) ASTM D5755-95 Standard Test Method for Micro-vacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Concentrations.

This test method covers a procedure to identify asbestos in dust and provide an estimate of the concentration of asbestos in the sampled dust reported as the number of asbestos structured per unit area of samples surface. This test method is generally applicable for an estimate of the concentration of asbestos structures starting from approximately 1000 asbestos structures per square centimeter. If an estimate of the asbestos mass is to be determined, the user is referred to Test Method D5756.

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

Clean Air Testing Labs conducts analysis of bulk samples (e.g. floor tile, plaster, pipe insulation, etc.) for asbestos content by numerous applications under Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM). Listed below is a highlight of those methods

(PLM) EPA 600/M4-82-020: Interim Method of the Determination of Asbestos in Bulk Insulation Samples

PLM is the most commonly used method for the analysis of bulk samples, using 10X to 400X power magnification. PLM bulk sample analyses follow the EPA method of the Determination of Asbestos in Bulk Insulation Sample (EPA 600/M4-82-020). Samples are first examined with a stereo-binocular microscope. Representative portions of the sample are mounted on slides with refractive index oils and analyzed with a Polarized Light Microscope (PLM). If no asbestos is found in a sample, "ND" (None Detected) is reported. If asbestos is found in a sample, two kinds of information are reported in the "asbestos minerals" column of the PLM report: First, identify the types of asbestos found. Second, identify the area percentage of asbestos, as determined by visual estimation by PLM. Additional information about non-asbestos fibers and non-fibrous materials is also recorded. Many samples consist of distinct materials or layers, which are analyzed separately. Asbestos results from each layer or material are reported individually.

(PLM) EPA 600/R-93/116 Method for the Determination of Asbestos: Point counting-NYS DOH ELAP 198.1-"PLM Methods for Identifying and Quantifying Asbestos in Bulk Samples"-Stratified Point Counting.

If Routine PLM analysis finds the sample to be non asbestos-containing material or containing asbestos in low concentration levels, the sample can be analyzed by an alternative method known as point counting (required by NYSDOH for all friable samples). Point counting can be used to more accurately determine the amount of asbestos present by removing some of the interferences (i.e. binder, carbonate mineral, etc.) that may hinder the analyst's ability to determine the amount of asbestos present. Point counting uses larger quantities of sample and systematically analyzes individual particles, whereas visual estimation analyzes fields of view.

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

(TEM) EPA 600/R-93-116-Chatfield Semi-Quantitative EPA 600/R-93-116-Quantitative NYS
DOH ELAP 198.1 (PLM)/198.4 (TEM)

All Non-Friable Organically Bound (NOB) samples are analyzed per NYS DOH ELAP item 198.1 (PLM) and 198.4 (TEM) when negative by PLM. Other samples as requested shall be gravimetrically reduced prior to slide preparation. This method is particularly useful to reduce the possibility of false negatives for levels of asbestos. Asbestos fibers may be present in some non-friable materials, but may not be detectable by PLM, due to their small size or interference from binding materials. If routine PLM analysis finds the sample to be non-asbestos containing material or containing asbestos in low concentration levels, the tile confirming problematic samples (floor tiles, roofing, etc.) that actually contain many small or organically bound asbestos fibers which cannot be detected by PLM. It can also be used to quantify very low levels of asbestos (0.1% by weight or less) on some types of bulk samples.

In New York State, non-friable organically bound (NOB) materials determined to be negative ($<$ or $\approx 1\%$ asbestos) by PLM must be analyzed by TEM before the sample can be officially considered as non-asbestos containing material (ACM). EPA recommends that floor tile reported as negative by PLM should be analyzed by a new EPA method utilizing TEM.

Clean Air Testing Labs, Inc., uses ELAP method 198.1 (PLM) and 198.4 (TEM) for New York samples. Samples from other areas are evaluated by a similar modified Chatfield, TEM protocol that is pending ASTM Committee D22.05.07.007 approval (submitted by Eric Chatfield, 1988). The method leads to the identification of any asbestos minerals (fibers) present within the sample, as well as giving the weight percent. All asbestos minerals are identified on the basis of fiber morphology, energy dispersive x-ray spectrometry (EDS), and selected area electron diffraction (SAED). Following the matrix reduction digestion procedure, floor tile inert residue usually contains only pigments such as titanium dioxide and/or iron oxides, fillers such as silicate or aluminosilicate minerals and asbestos if present. Other bulk materials may contain additional inert materials. A modified method of the aforementioned is used when analysis is required of non-friable materials.

The laboratory has been approved to analyze these samples by the NY State Department of Health Environmental Laboratory Approval Program (ELAP) Laboratory ID # 11242.

Project #02-91
Controlled Copy on Grey Paper
Page 5 of 9

CITY_21MC100_002885698

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640.

DEFINITIONS:

- ASBESTOS:** A generic name given to a number of naturally occurring hydrated mineral silicates that possess a unique crystalline structure, are incombustible in air, and are separable into fibers. Asbestos includes the asbestiform varieties of chrysotile (serpentine); crocidolite (riebeckite); amosite (cummington-grunerite); anthophyllite; and actinolite.
- EMERGENCY:** An unexpected, unanticipated or unforeseen occurrence, including but not limited to, a steam, chemical, gas or water line rupture, a boiler failure, or a building collapse, which poses (a) an imminent danger to the health and safety of the public, the response to which will constitute an asbestos project; or (b) an asbestos-related risk to the health and safety of the public from exposure to asbestos fibers.
- ASBESTOS PROJECT:** Work undertaken by a contractor which at any time involves any aspect of the removal, encapsulation, enclosure or disturbance of friable asbestos, or any handling of asbestos material that may result in the release of asbestos fiber, except work in an owner-occupied single family dwelling performed by the owner of such dwelling. An asbestos project shall include the planning, design, monitoring, inspection, and air sampling of abatement work, as well as the supervising of such activities.
- BUILDING OWNER:** The person in whom legal title to the premises is vested unless the premises are held in land trust, in which instance building owner means the person in whom beneficial title is vested.

Clean Air Testing Labs, Inc.

1111 Steele Blvd.

Baldwin, New York 11510

Tel./Fax: (516) 546-2640

DEFINITIONS:

HEPA FILTER

VACUUM EQUIP: Vacuuming equipment with a high efficiency particulate air filtration system. This filter is capable of trapping and retaining 99.97 percent of asbestos fibers greater than 0.3 microns equivalent aerodynamic diameter.

LARGE ASBESTOS PROJECT:

An asbestos project involving the removal, disturbance, enclosure, encapsulation or handling of 160 square feet or more of asbestos or asbestos material or 260 linear feet or more of asbestos or asbestos material.

MINOR ASBESTOS PROJECT:

An asbestos project involving the removal, disturbance, repair, encapsulation, enclosure or handling of 10 square feet or less of asbestos or asbestos material, or 25 linear feet or less of asbestos or asbestos material.

SMALL ASBESTOS PROJECT:

An asbestos project involving the removal, disturbance, enclosure, encapsulation or handling of greater than 10 feet and less than 160 square feet or more of asbestos or asbestos material or greater than 25 and less than 260 linear feet or more of asbestos or asbestos material.

REPAIR:

Corrective action using required work practices to control fiber release from damaged asbestos material.

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

DISCLAIMER

The inspection covers only those areas noted in this report. It does not include any areas not actually seen or capable of being seen nor any areas not provided access to.

All statements are the preparer's professional opinion and are based on a visual inspection wherever that was possible. This report is intended to provide guidelines for remedial asbestos efforts.

The contents of this report are accurate to the best of our knowledge and in accordance with Federal, State and Local guidelines.

SUMMARY OF FINDINGS: ASBESTOS DETECTED (AT DETECTION LIMIT)

Dust Sampling

3rd FLOOR LANDING @ STAIRS
1st FLOOR @ ENTRY

SETTLED DUST- DESCRIPTIVE CONTAMINATION LEVELS

<1,000 STR/CM²
1-10,000 STR/CM²
10-100,000 STR/CM²
100,000-1 MILLION STR/CM²
>1 MILLION STR/CM²

<LESS THAN DETECTION LIMIT
SLIGHT CONTAMINATION
MODERATE CONTAMINATION
HEAVY CONTAMINATION
EXTREME CONTAMINATION

Notation on Analysis:

All samples were analyzed by the PLM method stated above. The test result sheets from the laboratory are included. See Appendix A

Project #02-91
Controlled Copy on Grey Paper
Page 8 of 9

CITY_21MC100_002885701

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

RECOMMENDATIONS

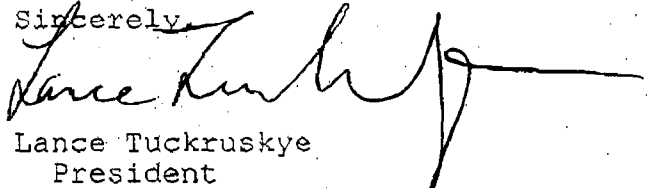
There are locations sampled that contain asbestos at the detection limit. Due to the low levels of asbestos contamination found in the dust samples, it is our recommendation that maintenance personnel perform a clean up inside the building. In addition a company should be hired to power wash the building's exterior. The ash and debris located on the roof should be removed prior to power-washing the building.

FINAL NOTES

This report represents the opinion of the reporting asbestos inspector at the time of the asbestos assessment survey.

If you have any further questions or if additional information is needed please do not hesitate to call.

Sincerely,

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

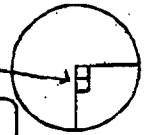
Lance Tuckruskye
President

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

APPENDIX A:

Laboratory Results

TEM Asbestos (dust) Count Sheetsample area
analyzedClient Name: Clean Air Testing Labs, Inc.Job #: 202032040Volume (milliliters): 300Lab Sample #: 06Dust Sample Area: 10Client Sample #: D 6Filter Type / Filter Area: MCE 214 mm²Received: 03/10/2002

16:00:00

Grid Opening Size: 0.01000Date Analyzed: 03/12/2002Area Examined: 0.10000 mm²Scope #: 6Dilution Factor: 0.0033Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

Aleksandr Barenholtz

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E5-4/1A	1	NSD							☐	
E5-4/1B	2	NSD							☐	
E5-4/1C	3	NSD							☐	
E5-4/1E	4	NSD							☐	
E5-4/1F	5	1	7	.1	Chrysotile	Matrix	Mg, Si, Fe	\	☒	
E5-4/1G	6	NSD							☐	
A6-4/1E	7	NSD							☐	
A6-4/1F	8	NSD							☐	
A6-4/1G	9	NSD							☐	
A6-4/1H	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments:

		Structure Density	Grid Evaluation
Total Grid Openings:	10	(str/sq mm)	☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	1	10.0	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	1	10.0	☒ Folded Replica < 50%
Total Asbestos Structures:	1	10.0	☒ Filter Loading < 25%
Analytical Sensitivity:		10	☒ Particulate Even

CITY_21MC100_002885704

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

APPENDIX B:

Field Sheets & Chain of Custody

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

ELAP # 11242

March 12, 2001

Re: 153 CHAMBERS STREET

NEW YORK, NY 10006

Project # 02-91

Dear Mr. Mortlock:

Results from the bulk samples submitted on 3/10/02 is as follows:

<u>Sample Number</u>	<u>Macroscopic Obsv</u>	<u>Results</u>
Number 01 Debris/Dust 5 th Floor Top of Air Conditioner Chamber Street Side of Building	Grey, Homogeneous Friable, Non-Fibrous	40% Cellulose 40% Mineral Wool 20% Binder
Number 02 Debris/Dust 4 th Floor Window Ledge Chamber Street Side of Building	Grey, Homogeneous Friable, Non-Fibrous	40% Cellulose 40% Mineral Wool 20% Binder
Number 03 Debris/Dust 3 rd Floor Window Ledge Chamber Street Side of Building	Grey, Homogeneous Friable, Non-Fibrous	40% Cellulose 40% Mineral Wool 20% Binder
Number 04 Debris/Dust 2 nd Floor Window Ledge Chamber Street Side of Building	Grey, Homogeneous Friable, Non-Fibrous	10% Cellulose 20% Mineral Wool 20% CaCO3 50% Binder
Number 05 Debris/Dust 1 st Floor Top of Air Conditioner Chamber Street Side of Building	Grey, Homogeneous Friable, Non-Fibrous	30% Cellulose 30% Mineral Wool 40% Binder

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

<u>Sample Number</u>	<u>Macroscopic Obsv</u>	<u>Results</u>
Number 06 Debris/Dust Roof East Chamber St. Side of Building	Brown, Homogeneous Friable, Fibrous	Trace Amosite 10% Cellulose 20% Mineral Wool 70% Binder
Number 07 Debris/Dust Ground @ Entry to Building	Brown, Homogeneous Friable, Fibrous	40% Cellulose 10% Mineral Wool 50% Binder

Samples analyzed by: Lance Tuckruskye Date: 3/11/02
Lance Tuckruskye

The samples identified above were analyzed to determine the presence or absence of asbestos fibers. A portion of the sample was subjected to polarized light microscopic examination (PLM) in accordance with 40 CFR 763, Sub F, App A and ELAP 198.1

Disclaimer:

Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

SciLab Job #: 202032040

Client Name: Clean Air Testing Labs, Inc.

Table I**Summary of Transmission Electron Microscopy (TEM) Results for Asbestos (ASTM 5755 Dust)**

153 Chambers Street, New York, NY / AMBIENT

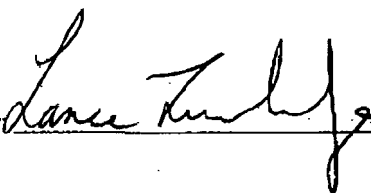
SciLab Sample #	Client Sample #	Surface Area Sampled (sq. cm)	Dilution Factor	Asbestos Structures Detected	* Analytical Sensitivity on Grid (Str / sq mm)	Structure Density on Grid (Str / sq mm)	* Analytical Sensitivity on Surface (Str / sq. cm)	Structure Density on Surface (Str / sq. cm)	Type of Asbestos
01	D 1 On Stairs to Roof	100.0	0.003	0	10	<10	6,420	<6,420	NSD
02	D 2 5th Floor Landing @Stairs	100.0	0.100	0	25	<25	535	<535	NSD
03	D 3 4th Floor Landing @Stairs	100.0	0.020	0	10	<10	1,070	<1,070	NSD
04	D 4 3rd Floor Landing @Stairs	100.0	0.020	1	10	10.0	1,070	1,070	chrysotile
05	D 5 2nd Floor Landing @Pottery Shop	100.0	0.020	0	10	<10	1,070	<1,070	NSD
06	D 6 1st Floor @Entry	100.0	0.003	1	10	10.0	6,420	6,420	chrysotile
07**	D 7 Blank				I				
08**	D 8 Blank				I				

* structure density represented by the detection of 1 structure

** not analyzed

NSD: No Asbestos Structures Detected.

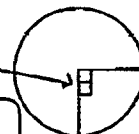
Reviewed By:



Analyzed By:

Aleksandr Barengolts

Date: 3/12/02

TEM Asbestos (dust) Count Sheetsample area
analyzedClient Name: Clean Air Testing Labs, Inc.Job #: 202032040Volume (milliliters): 300Lab Sample #: 01Dust Sample Area: 10Client Sample #: D 1Filter Type / Filter Area: MCE 214 mm²Received: 03/10/2002

16:00:00

Grid Opening Size: 0.01000Date Analyzed: 03/12/2002Area Examined: 0.10000 mm²Scope #: 6Dilution Factor: 0.0033Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
C5-4/1B	1	NSD								
C5-4/1C	2	NSD								
C5-4/1E	3	NSD								
C5-4/1F	4	NSD								
C5-4/1G	5	NSD								
C5-4/1H	6	NSD								
D1-4/4E	7	NSD								
D1-4/4F	8	NSD								
D1-4/4G	9	NSD								
D1-4/4H	10	NSD								

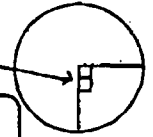
NSD: No Asbestos Structures Detected

Comments:Structure DensityGrid Evaluation

Total Grid Openings: 10
 Chrysotile Asbestos Structures: 0
 Amphibole Asbestos Structures: 0
 Asbestos Structures ≥ 5 microns: 0
 Total Asbestos Structures: 0
 Analytical Sensitivity:

(str/sq mm)
 <10
 <10
 <10
 <10
 10

☒ Grid Openings Covered > 50%
☒ Intact Grid Opening > 50%
☒ Undissolved Filter < 10%
☒ Folded Replica < 50%
☒ Filter Loading < 25%
☒ Particulate Even

TEM Asbestos (dust) Count Sheetsample area
analyzed

Client Name: Clean Air Testing Labs, Inc.
Job #: 202032040
Lab Sample #: 03
Client Sample #: D 3
Received: 03/10/2002 16:00:00
Date Analyzed: 03/12/2002
Scope #: 6
Dilution Factor: 0.0200
Volume (milliliters): 50
Dust Sample Area: 10
Filter Type / Filter Area: MCE 214 mm²
Grid Opening Size: 0.01000
Area Examined: 0.10000 mm²
Magnification: 20,000
Accelerating Voltage: 100 KeV

Analysis Performed by:

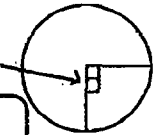
Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
D4-4/4B	1	NSD							☐	
D4-4/4C	2	NSD							☐	
D4-4/4E	3	NSD							☐	
D4-4/4F	4	NSD							☐	
D4-4/4G	5	NSD							☐	
D5-4/4B	6	NSD							☐	
D5-4/4C	7	NSD							☐	
D5-4/4E	8	NSD							☐	
D5-4/4F	9	NSD							☐	
D5-4/4G	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments:

Structure Density			Grid Evaluation	
		(str/sq mm)		
Total Grid Openings:	10		☒	Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	☒	Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	☒	Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	☒	Folded Replica < 50%
Total Asbestos Structures:	0	<10	☒	Filter Loading < 25%
Analytical Sensitivity:		10	☒	Particulate Even

TEM Asbestos (dust) Count Sheetsample area
analyzedClient Name: Clean Air Testing Labs, Inc.Job #: 202032040Volume (milliliters): 50Lab Sample #: 04Dust Sample Area: 10Client Sample #: D 4Filter Type / Filter Area: MCE 214 mm²Received: 03/10/2002

16:00:00

Grid Opening Size: 0.01000Date Analyzed: 03/12/2002Area Examined: 0.10000 mm²Scope #: 6Dilution Factor: 0.0200Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E1-3/3B	1	NSD							☐	
E1-3/3C	2	NSD							☐	
E1-3/3E	3	NSD							☐	
E1-3/3F	4	NSD							☐	
E1-3/3G	5	NSD							☐	
E1-3/3H	6	NSD							☐	
E2-3/4C	7	I	3	.1	Chrysotile	Fiber	Mg, Si, Fe	/	☒	
E2-3/4E	8	NSD							☐	
E2-3/4F	9	NSD							☐	
E2-3/4G	10	NSD							☐	

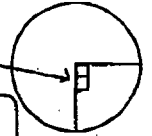
NSD: No Asbestos Structures Detected

Comments:Structure Density
(str/sq mm)Grid Evaluation

Total Grid Openings: 10
 Chrysotile Asbestos Structures: 1
 Amphibole Asbestos Structures: 0
 Asbestos Structures ≥ 5 microns: 0
 Total Asbestos Structures: 1
 Analytical Sensitivity:

10.0
 <10
 <10
 10.0
 10

☒ Grid Openings Covered > 50%
☒ Intact Grid Opening > 50%
☒ Undissolved Filter < 10%
☒ Folded Replica < 50%
☒ Filter Loading < 25%
☒ Particulate Even

TEM Asbestos (dust) Count Sheetsample area
analyzed

Client Name: Clean Air Testing Labs, Inc.
Job #: 202032040
Lab Sample #: 05
Client Sample #: D 5
Received: 03/10/2002 16:00:00
Date Analyzed: 03/12/2002
Scope #: 6

Volume (milliliters): 50
Dust Sample Area: 10
Filter Type / Filter Area: MCE 214 mm²
Grid Opening Size: 0.01000
Area Examined: 0.10000 mm²
Magnification: 20,000
Accelerating Voltage: 100 KeV

Analysis Performed by:

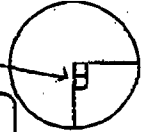
Aleksandr Barengolts

Location	Grid Opening	Fiber	Length μm	Width μm	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E3-4/1B	1	NSD							☐	
E3-4/1C	2	NSD							☐	
E3-4/1E	3	NSD							☐	
E3-4/1F	4	NSD							☐	
E3-4/1G	5	NSD							☐	
E3-4/1H	6	NSD							☐	
E4-4/4C	7	NSD							☐	
E4-4/4E	8	NSD							☐	
E4-4/4F	9	NSD							☐	
E4-4/4G	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments:

		Structure Density	Grid Evaluation
		(str/sq mm)	
Total Grid Openings:	10		☒ Grid Openings Covered > 50%
Chrysotile Asbestos Structures:	0	<10	☒ Intact Grid Opening > 50%
Amphibole Asbestos Structures:	0	<10	☒ Undissolved Filter < 10%
Asbestos Structures ≥ 5 microns:	0	<10	☒ Folded Replica < 50%
Total Asbestos Structures:	0	<10	☒ Filter Loading < 25%
Analytical Sensitivity:		10	☒ Particulate Even

TEM Asbestos (dust) Count Sheetsample area
analyzedClient Name: Clean Air Testing Labs, Inc.Job #: 202032040Lab Sample #: 06Client Sample #: D 6Received: 03/10/2002

16:00:00

Date Analyzed: 03/12/2002Scope #: 6Dilution Factor: 0.0033Volume (milliliters): 300Dust Sample Area: 10Filter Type / Filter Area: MCE 214 mm²Grid Opening Size: 0.01000Area Examined: 0.10000 mm²Magnification: 20,000Accelerating Voltage: 100 KeV

Analysis Performed by:

Aleksandr Bayengolts

Location	Grid Opening	Fiber	Length μM	Width μM	Fiber Type	Morphology	EDS	Orient.	SAED	Photo
E5-4/1A	1	NSD							☐	
E5-4/1B	2	NSD							☐	
E5-4/1C	3	NSD							☐	
E5-4/1E	4	NSD							☐	
E5-4/1F	5	1	7	.1	Chrysotile	Matrix	Mg, Si, Fe	\	☒	
E5-4/1G	6	NSD							☐	
A6-4/1E	7	NSD							☐	
A6-4/1F	8	NSD							☐	
A6-4/1G	9	NSD							☐	
A6-4/1H	10	NSD							☐	

NSD: No Asbestos Structures Detected

Comments:Structure Density
(str/sq mm)Grid Evaluation

Total Grid Openings: 10
 Chrysotile Asbestos Structures: 1
 Amphibole Asbestos Structures: 0
 Asbestos Structures ≥ 5 microns: 1
 Total Asbestos Structures: 1
 Analytical Sensitivity:

10.0
 <10
 10.0
 10.0
 10

☒ Grid Openings Covered > 50%
☒ Intact Grid Opening > 50%
☒ Undissolved Filter < 10%
☒ Folded Replica < 50%
☒ Filter Loading < 25%
☒ Particulate Even

Clean Air Testing Labs, Inc.

1111 Steele Blvd.
Baldwin, New York 11510
Tel./Fax: (516) 546-2640

APPENDIX C:

Accreditations



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

LICENSE NUMBER: 99-1089
DATE OF ISSUE: 12/20/01
EXPIRATION DATE: 12/31/02

Contractor: Clean Air Testing Labs, Inc.

Address: 1111 Steele Blvd.
Baldwin, NY 11510

Duly Authorized Representative: Lance Tuckruskye

This license has been issued in accordance with applicable provisions of Article 80 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.

A handwritten signature in dark ink, appearing to read "Richard Cucolo".

Richard Cucolo, Director
FOR THE COMMISSIONER OF LABOR

SH 432 (10-00)

Clean Air Testing Labs, Inc.

1111 Steeple Blvd.

Baldwin, New York 11510

Tel./Fax: (516) 846-2640

PROJECT :

153 Chambers St.
NY, NY

DATE:

3/10/02

BULK SAMPLING FIELD SHEET

SAMPLE NO.	LOCATION	MATERIAL	COLOR	MEASUREMENT
	Chambers St. Bldg: extend 5th floor (Side) Top of Air Conditioner	Debris/DUST	Grey/Black	
2	4th floor window ledge			
3	3rd floor window ledge			
4	2nd floor window ledge			
5	1st floor on Fire escape stairs			
6	Roof east			
7	Grand @ entry to 153			

CHAIN OF CUSTODY

Client Name: Arnold S. Warner

Project Name: 153 Chambers St.

Sample Numbers: 1-7

Total Number of samples: 7

Relinquished By: [Signature]

Date: 3/10/02

Received By: [Signature]

Date: 3/10/02

CITY_21MC100_002885717