

ASBESTOS ANALYSIS of AIR SAMPLE by TRANSMISSION ELECTRON MICROSCOPY

Client: **ALC Environmental**
Address: 158 West 27th Street 8th Floor
New York NY 10001
P: (212) 675-5544 F: (212) 675-4698

Contact: **Matthew P. Carreiro**
M: (347) 558-2059
E: matthew.carreiro@alcenvironemntal.com

Contract: **5 East Main Street**
Client Job #: **80624B0033**
Location: **5 East Main Street**
Perimeter

NY

Sampled By: V.B.
Sampled Date: 07/09/2026
Turnaround Time: 12 hrs

Metro Lab ID #: **TA26070019**

Sample Received: 07/09/2026
Sample Type: Ambient
TEM Analysis Date: 07/10/2026
Reported By: Cheryl David
Report Date: 07/10/2026

Summary of Analysis

LAB ID #	Client Sample #	Sample Description	Volume (L)	# Grids Read	Grid Opening (mm ²)	Total Area Analyzed (mm ²)	# Non-Asbestos Structures	Asbestos Type(s)	Micrograph #	0.5u - 5 u	>5u	Sensitivity (S/cc)	Asbestos (S/mm ²)	Asbestos (S/cc)
1	1	OWA - >5FT OF PERSONAL DECON ENTRANCE	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
2	2	OWA - >5FT OF WASTE DECON ENTRANCE	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
3	3	OWA - >5FT OF AIRLOCK ENTRANCE	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
4	4	OWA - NORTH SECTION OF STEAM PLANT	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
5	5	OWA - NORTH EAST SECTION OF STEAM PLANT	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
6	6	OWA - EAST SECTION OF STEAM PLANT	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048V	<21.05	<0.0048
7	7	OWA - SOUTH EAST SECTION OF STEAM PLANT	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
8	8	>5FT OF PERSONAL DECON ENTRANCE	1740	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0047	<21.05	<0.0047
9	9	>5FT OF WASTE DECON ENTRANCE	1740	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0047	<21.05	<0.0047
10	10	>5FT OF AIRLOCK ENTRANCE	1740	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0047	<21.05	<0.0047
Comments									Equipment	TEM SCOPE #2 - Hitachi H-7000				

**Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA). Micrographs available upon request.

Zlatan Dimitrijevic
Laboratory Director

Antonio Cruz
TEM Analyst

NYS ELAP ID # 12003

NVLAP Lab Code 500081-0

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11	11	NORTH SECTION OF STEAMM PLANT	1740	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0047	<21.05	<0.0047
12	12	NORTH EAST SECTION OF STEAM PLANT	1740	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0047	<21.05	<0.0047
13	13	EAST SECTION OF STEAM PLANT	1740	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0047	<21.05	<0.0047
14	14	SOUTH EAST SECTION OF STEAM PLANT	1740	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0047	<21.05	<0.0047
15	15	FB	N/A	N/A	N/A	N/A	N/A	Not Analyzed	N/A	N/A	N/A	N/A	N/A	N/A
16	16	FB	N/A	N/A	N/A	N/A	N/A	Not Analyzed	N/A	N/A	N/A	N/A	N/A	N/A
17	17	FBO	N/A	N/A	N/A	N/A	N/A	Not Analyzed	N/A	N/A	N/A	N/A	N/A	N/A
Comments									Equipment TEM SCOPE #2 - Hitachi H-7000					

**Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA). Micrographs available upon request.

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Laboratory Director

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TEM Analyst

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General Notes and Disclaimers

- The samples analyzed in this report were not collected by this laboratory - they were received from the client, or an agent of the client, in good condition, unless otherwise noted.
- All results are calculated based on client-provided samples and / or measurements and fall within the acceptable Quality Control limits, unless otherwise noted.
- The report shall not be reproduced, except in full, without the written approval of the laboratory.
- This report relates only to the samples tested. It may not be used by the client to claim project endorsement by NVLAP, NYS ELAP, or any other government agency.
- All samples will be properly disposed of after 60 days.
- Quality Control data (including 95% confidence limits, laboratory / analysis accuracy and precision) is available upon request.

Notes Regarding Asbestos Testing

- Air Sample Analysis by Phase Contrast Microscopy (PCM) adheres to Method NIOSH-7400. Results < 7 fibers / mm² are statistically insignificant.
- Percentages are calculated using the EPA equivalent Stratified Point-Count Method.
- Bulk Sample Analysis by Polarized Light Microscopy (PLM) Friable adheres to EPA/600/M4-082-20 or NYS ELAP 198.1.
- Bulk Sample Analysis by Polarized Light Microscopy (PLM) NOB adheres to NYS ELAP 198.6. This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite.
- All inhomogeneous layers of the bulk samples were analyzed separately.
- Analytical results are sometimes based on the residue percentage(s) provided by the client along with the filters. Trace denotes asbestos detected at $< 1\%$. Similarly, samples below quantitation limit (RL) are reported with a less than sign ($<$).
- Polarized Light Microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.
- Bulk Sample Analysis by Transmission Electron Microscopy (TEM) NOB adheres to NYS ELAP Method 198.4.
- Air Sample Analysis by Transmission Electron Microscopy (TEM) adheres to Method EPA CFR Part 763 Final Rule (AHERA).
- Air Sample Analysis by Transmission Electron Microscopy (TEM) Worksheets are available upon request.

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ASBESTOS AIR SAMPLING LOG

☒ TEM
☐ PCM

Turn Around Time
☐ Rush ☐ 8 Hours ☐ 24 Hours
☐ 6 Hours ☒ 12 Hours ☐ 3 Days

DATE: 07/09/26

SHIFT
1

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M	T	W	T	F	S	S
			☒			

PROJECT #: 80624B0033 PROJECT SITE: 5 East Main St. WORK AREA: Perimeter

TECHNICIAN: Vyacheslav Boravkiy NYS CERT #: 26-62K3R-SHAB

ROTOMETER #: ALC-14 CALABRATION DATE: 06-23-26 MANAGER: Hinds

LABORATORY USE ONLY

LABORATORY PROJECT #: TA26070019

FIELD SAMPLE ID NUMBER	DESCRIPTION LOCATION/ACTIVITY	SAMPLING PERIOD (MILITARY TIME)		Sample Time	CALIBRATION FLOW RATE		CAL. FLOW RATE AVERAGE	SAMPLE VOLUME (LITERS)	Fiber count per field	Airborne result F/cc
		START	STOP		PRE	POST				
AWA 1	5ft of Personal Decan entrance.	7:30	12:10	280	6	6	6	1680		
2	5ft of Waste Decan entrance.	7:32	12:12	280	6	6	6	1680		
3	5ft of Airlock entrance.	7:34	12:14	280	6	6	6	1680		
4	North section of Steam Plant	7:36	12:16	280	6	6	6	1680		
5	Northeast section of Steam Plant	7:38	12:18	280	6	6	6	1680		
6	east section of Steam Plant	7:40	12:20	280	6	6	6	1680		
7	southeast section of Steam Plant	7:42	12:22	280	6	6	6	1680		
8	5ft of Personal Decan entrance.	12:40	17:30	290	6	6	6	1740		
9	5ft of Waste Decan entrance.	12:42	17:32	290	6	6	6	1740		
10	5ft of Airlock entrance.	12:44	17:34	290	6	6	6	1740		
11	North section of Steam Plant	12:46	17:36	290	6	6	6	1740		
12	Northeast section of Steam Plant	12:48	17:38	290	6	6	6	1740		

SAMPLE TYPE: ☐ BG - Background ☐ D-During ☐ DAF - During as Finals ☐ CLR - Clearance ☒ A - Ambient ☐ FB - Field Blank

RELINQUISHED BY: <u>Vyacheslav Boravkiy</u>	SIGNATURE: <u>[Signature]</u>	DATE: <u>07-09-26</u>	TIME:	RECEIVED BY:	SIGNATURE: <u>MCAV</u>	DATE: <u>7/9/26</u>	TIME: <u>6:47P</u>
RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:

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ASBESTOS AIR SAMPLING LOG

☒ TEM
☐ PCM

Turn Around Time
☐ Rush ☐ 8 Hours ☐ 24 Hours
☐ 6 Hours ☒ 12 Hours ☐ 3 Days

DATE: 07/09/26

SHIFT
1

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M	T	W	T	F	S	S

PROJECT #: 86624B0033 PROJECT SITE: 5 East Main St.

WORK AREA: Perimeter

TECHNICIAN: Vyachslav Borodiy NYS CERT #: 26-62K3R-SHAB

ROTOMETER #: AL-14 CALABRATION DATE: 06.27.26 MANAGER: Hinds

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		START	STOP		PRE	POST				
13	East section of Steam Plant	12:50	17:46	290	6	6	6	1240		
14	southeast section of steam plant	12:52	17:42	290	6	6	6	1240		
FD 15										
FB 16										
FB 17										

SAMPLE TYPE: ☐ BG - Background ☐ D-During ☐ DAF - During as Finals ☐ CLR - Clearance ☒ A - Ambient ☐ FB - Field Blank

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