

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: **Pat Mullo**
M: (646) 529-6529
E: Pat.Mullo@alcenvironmental.com

Contract: **5 East Main Street**
Client Job #: **80624B0033**
Location: **5 East Main Street**
1st Floor

Sampled By: V.B.
Sampled Date: 08/28/2026
Turnaround Time: 3 hrs

Metro Lab ID #: **TA26080089**

Sample Received: 08/28/2026
Sample Type: During
TEM Analysis Date: 08/29/2026
Reported By: Nicole Piech
Report Date: 08/29/2026

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	1620	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
2	2	OWA - NORTH SECTION OF STEAM PLANT	1620	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
3	3	OWA - NORTHEAST SECTION OF STEAM PLANT	1620	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
4	4	OWA - >5FT OF WASTE DECON ENTRANCE	1620	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
5	5	OWA - GROUND FLOOR OF LANDFILL	1620	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
6	6	OWA - SOUTHEAST SECTION OF STEAM PLANT	1620	6	0.0095	0.057	0	None Detected	N/A	0	0	0.0042	<17.54	<0.0042
7	7	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
8	8	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
9	9	OWA - NORTHEAST SECTION OF STEAM PLANT	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
10	10	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
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

Atef Guirguis
TEM Analyst

NYS ELAP ID # 12003

NVLAP Lab Code 500081-0

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11	11	OWA - GROUND FLOOR OF LANDFILL	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
12	12	OWA - SOUTHEAS SECTION OF STEAM PLANT	1680	5	0.0095	0.048	0	None Detected	N/A	0	0	0.0048	<21.05	<0.0048
13	13	BLANK	N/A	N/A	N/A	N/A	N/A	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
14	14	BLANK	N/A	N/A	N/A	N/A	N/A	None Detected	N/A	N/A	N/A	N/A	N/A	N/A
15	15	BLANK	N/A	N/A	N/A	N/A	N/A	None Detected	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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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: 08/28/26

SHIFT
1

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M	T	W	T	F	S	S

PROJECT #: 80624B0033 PROJECT SITE: 5 East Main St. WORK AREA: 1st Floor

TECHNICIAN: Vyachslav Borovskiy NYS CERT #: 26-6243R

ROTOMETER #: ALC-15 CALABRATION DATE: 06-23-26 MANAGER: Hind's

LABORATORY USE ONLY

LABORATORY PROJECT #: HA26080089

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				
OWA	1	>5ft of Personal Decon entrance	8:00	12:30	270	6	6	6	1620		
	2	North section of Steam plant	8:02	12:32	270	6	6	6	1620		
	3	Northeast section of Steam plant	8:04	12:34	270	6	6	6	1620		
	4	>5ft of Waste Decon entrance.	8:06	12:36	270	6	6	6	1620		
	5	Ground Floor of landfill	8:08	12:38	270	6	6	6	1620		
✓	6	Southeast section of Steam plant	8:10	12:40	270	6	6	6	1620		
OWA	7	>5ft of Personal Decon entrance	12:50	17:30	280	6	6	6	1680		
	8	North section of steam plant.	12:52	17:32	280	6	6	6	1680		
	9	Northeast section of Steam plant	12:54	17:34	280	6	6	6	1680		
	10	>5ft of Waste Decon entrance.	12:56	17:36	280	6	6	6	1680		
	11	Ground Floor of landfill	12:58	17:38	280	6	6	6	1680		
✓	12	Southeast section of Steam plant	13:00	17:40	280	6	6	6	1680		

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

RELINQUISHED BY: <u>Vyachslav Borovskiy</u>	SIGNATURE: <u>[Signature]</u>	DATE:	TIME:	RECEIVED BY: <u>ADOLE</u>	SIGNATURE: <u>ALL</u>	DATE: <u>8/28/26</u>	TIME: <u>7:30P</u>
RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME:

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☐ PCM

Turn Around Time
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☐ 6 Hours ☐ 12 Hours ☐ 3 Days

DATE: 08 / 28 / 26

SHIFT
1

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M	T	W	T	F	S	S

PROJECT #: 80624B0033 PROJECT SITE: 5 East Main St. WORK AREA: 1st Floor

TECHNICIAN: Vyacheslav Boronkiy NYS CERT #: 26-62K3R

ROTOMETER #: ALC-15 CALABRATION DATE: 06-23-26 MANAGER: _____

LABORATORY USE ONLY

LABORATORY PROJECT # A26080089[illegible]

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

RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY: ADELE	SIGNATURE: ALL	DATE: 5/28/26	TIME: 7:30p
RELINQUISHED BY:	SIGNATURE:	DATE:	TIME:	RECEIVED BY:	SIGNATURE:	DATE:	TIME: