

Microbial Clearance Report

Project Location:

Amherst United States Army Reserve Center
Basement Class Rooms 21, 22 & 23
100 North Forest Road
Amherst, NY 14221

Conditions as of: January 21st, 2025

Project ID: 24-0909MN-A

Prepared For:

Attn: Scott Kawski
Regional Facilities Manager
US Army Reserve
7001 Klier Drive
Fairfield, PA 16415

Prepared by:



AMD Environmental Consultants, Inc.

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1.0 Project Summary



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January 21st, 2025

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Regional Facilities Manager
US Army Reserve
7001 Klier Drive
Fairfield, PA 16415

**Re: Mold Clearance Report
Amherst United States Army Reserve Center
Basement Class Rooms 21, 22, 23
100 North Forest Road, Amherst, NY 14221
AMD Project ID: 24-0909MN-A**

Mr. Kawski:

I am pleased to present this summary of mold assessment services consistent with the guidelines set forth by NYSDOL in Article 32, Title 2: "Minimum Work Standards for the Conduct of Mold Assessments and Remediation by Licensed Persons."

Jonathan Wolf conducted mold clearance sampling activities on January 21st, 2025. A total of four (4) air samples and two (2) tape samples were collected and analyzed at AMD Environmental Consultants Laboratory, Buffalo NY. Further detail can be found on the attached analysis.

Sampling was conducted to identify the type and concentration of identified fungal growth. Air sampling characterizes and quantifies the extent of mold by presenting a concentration of airborne spores (cfu³) and offers a determination of suspect hazard by category (i.e., toxigenic, pathogenic, allergenic).

Sampling analysis data is used to help determine proper mitigation techniques as well as personal protective wear used by the contractor. Pre mitigation (initial) sampling also serves to establish a background concentration that is often compared against post mitigation results to determine the effectiveness of any mitigation actions taken.

Non-viable air and surface sampling analysis indicated no elevated concentrations of spores throughout the works areas tested when compared to exterior levels after mitigation and re-testing. Based on the results of the visual assessment and analytical testing, mitigation is considered successful at this time.

Please do not hesitate to contact me if I may provide any additional information.

Sincerely,

Jonathan Wolf
NYS Licensed Mold Inspector
Cert #24-6ZQ4V-SHMO
AMD Environmental Consultants, Inc.



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1.1.1 Air Sample Analysis



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AIR SAMPLE ANALYSIS

Client:	AMD Environmental Consultants 72 E. Niagara St. Suite 100 Tonawanda, NY 14150	Project No.:	24-0909MN-A	Batch Number:	25M013
Sample Date:	01/21/2025	Project Name:	M 100 N. FOREST	Received:	01/21/2025 10:30 AM
Report Date:	01/21/2025	Job Address:	100 N. Forest Rd.	Analysis Date:	01/21/2025
		City, ST Zip:	Buffalo, NY 14221	Analyst(s):	Natalie Brown
		Work Area:	Basement Class Rooms		

Air Sample Analysis by ASTM Standard Test Method D7391

Lab Sample ID:	25M013-1						25M013-2																	
Client Sample ID:	1						2																	
Sample Description:	Basement - Main Class Room						Basement - Office #21																	
Debris Rating:	1						Volume (L):75			1			Volume (L):75											
Media Brand/Impact Type:	Allergenco						Slit Impactor						Allergenco						Slit Impactor					
Spore Types	Raw Count	fs/ sample	fs/ m^3	Min. Rep. Lim.	% Counted	E*	Raw Count	fs/ sample	fs/ m^3	Min. Rep. Lim.	% Counted	E*	Raw Count	fs/ sample	fs/ m^3	Min. Rep. Lim.	% Counted	E*						
Alternaria	ND						ND						ND											
ascospores	ND						ND						ND											
Chaetomium	ND						ND						ND											
Aspergillus/Penicillium-like	ND						1	1	13	13	100%		1	1	13	13	100%							
basidiospores	ND						ND						ND											
Cladosporium	ND						1	1	13	13	100%		1	1	13	13	100%							
Curvularia	ND						ND						ND											
Drechslera/Bipolaris-like	ND						ND						ND											
smut, Myxomycete, Periconia	ND						ND						ND											
Stachybotrys/Memnoniella	ND						ND						ND											
Ulocladium	ND						ND						ND											
Total	ND						2	2	27				2	2	27									
hyphal fragments	ND						ND						ND											
pollen	ND						ND						ND											
Debris Rating (DR): 0 - ND; non detect 1 = <5% particulate 2 = 5-25% 3 = 25-75% 4 = 75-90% 5 = >90% Overloaded, UC	Sample Notes:												Sample Notes:											
P= Present, ND = Non Detect, *E = Estimation performed due to spore load, UC = Uncountable, M/U= Misc./Unidentifiable, Min. Reporting Limit in fs/m^3																								

Results Approved By Technical Director:



Natalie Brown

Comments:

A min. of 20% sample trace is counted; for >500fs/sample counting stops after completion of the traverse in which 100fs are reached for that spore; Est. performed for >100 fs/traverse. Deviation from standard: All calculated values reported to nearest whole number. Analysis relates only to samples tested & is based on sampling data provided by the client on a sample Chain of Custody; AMD is not responsible for data supplied by an independent tech. This report shall not be reproduced, except in full & with approval by AMD. QC data is available by request. All reported results relate to samples as received by the laboratory.

AIR SAMPLE ANALYSIS

Client:	AMD Environmental Consultants 72 E. Niagara St. Suite 100 Tonawanda, NY 14150	Project No.:	24-0909MN-A	Batch Number:	25M013
Sample Date:	01/21/2025	Project Name:	M 100 N. FOREST	Received:	01/21/2025 10:30 AM
Report Date:	01/21/2025	Job Address:	100 N. Forest Rd.	Analysis Date:	01/21/2025
		City, ST Zip:	Buffalo, NY 14221	Analyst(s):	Natalie Brown
		Work Area:	Basement Class Rooms		

Air Sample Analysis by ASTM Standard Test Method D7391

Lab Sample ID:	25M013-3						25M013-4											
Client Sample ID:	3						4											
Sample Description:	Basement - Office #22						AMB - Basement - Outside Rm #4											
Debris Rating:	1						Volume (L):75			1			Volume (L):75					
Media Brand/Impact Type:	Allergenco						Slit Impactor			Allergenco						Slit Impactor		
Spore Types	Raw Count	fs/ sample	fs/ m^3	Min. Rep. Lim.	% Counted	E*	Raw Count	fs/ sample	fs/ m^3	Min. Rep. Lim.	% Counted	E*						
Alternaria	ND						ND											
ascospores	ND						ND											
Chaetomium	ND						ND											
Aspergillus/Penicillium-like	ND						26	26	347	13	100%							
basidiospores	ND						1	1	13	13	100%							
Cladosporium	ND						71	71	947	13	100%							
Curvularia	ND						ND											
Drechslera/Bipolaris-like	ND						ND											
smut, Myxomycete, Periconia	ND						ND											
Stachybotrys/Memnoniella	ND						ND											
Ulocladium	ND						ND											
Total	ND						98	98	1,307									
hyphal fragments	ND						9	9	120	13	100%							
pollen	ND						ND											
Debris Rating (DR): 0 - ND; non detect 1 = <5% particulate 2 = 5-25% 3 = 25-75% 4 = 75-90% 5 = >90% Overloaded, UC	Sample Notes:						Sample Notes:											
P= Present, ND = Non Detect, *E = Estimation performed due to spore load, UC = Uncountable, M/U= Misc./Unidentifiable, Min. Reporting Limit in fs/m^3																		

Results Approved By Technical Director:




Natalie Brown

Comments:

A min. of 20% sample trace is counted; for >500fs/sample counting stops after completion of the traverse in which 100fs are reached for that spore; Est. performed for >100 fs/traverse. Deviation from standard: All calculated values reported to nearest whole number. Analysis relates only to samples tested & is based on sampling data provided by the client on a sample Chain of Custody; AMD is not responsible for data supplied by an independent tech. This report shall not be reproduced, except in full & with approval by AMD. QC data is available by request. All reported results relate to samples as received by the laboratory.



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1.1.2 Tape Sample Analysis

SURFACE SAMPLE ANALYSIS

Client: AMD Environmental Consultants 72 E. Niagara St. Suite 100 Tonawanda, NY 14150 Sample Date: 01/21/2025 Report Date: 01/21/2025	Project No.: 24-0909MN-A Project Name: M 100 N. FOREST Job Address: 100 N. Forest Rd. City, ST Zip: Buffalo, NY 14221 Work Area: Basement Class Rooms	Batch Number: 25M013 Received: 01/21/2025 10:30 AM Analysis Date: 01/21/2025 Analyst(s): Natalie Brown
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Surface Sample Analysis by ASTM Standard Test Method D7391 Modified

Lab Sample ID:	25M013-5					25M013-6					
Client Sample ID:	5					6					
Sample Description:	Main Class Room - Cove Base		Spore Load:			Main Class Room - Door Casing		Spore Load:			
Debris Rating:	2 - Poss. Neg. Bias		Countable			1		Countable			
Media Brand/Sample Type:	AMD			Tape			AMD			Tape	
Spore Types	Raw Count	fs/ sample	Min. Rep. Lim.	% Counted	E*	Raw Count	fs/ sample	Min. Rep. Lim.	% Counted	E*	
Alternaria	ND					ND					
ascospores	ND					ND					
Chaetomium	ND					ND					
Aspergillus/Penicillium-like	10	10	1	100%		7	7	1	100%		
basidiospores	ND					ND					
Cladosporium	17	17	1	100%		4	4	1	100%		
Curvularia	ND					ND					
Drechslera/Bipolaris-like	ND					ND					
smut, Myxomycete, Periconia	ND					ND					
Stachybotrys/Memnoniella	ND					ND					
Ulocladium	ND					ND					
Total	27	27				11	11				
hyphal fragments	5	5	1	100%		ND					
pollen	ND					ND					
Debris Rating (DR): 0 - ND; non detect 1 = <5% particulate 2 = 5-25% 3 = 25-75% 4 = 75-90% 5 = >90% Overloaded, UC	Sample Notes:					Sample Notes:					
P= Present, ND = Non Detect, *E = Estimation performed due to spore load, UC = Uncountable, M/U= Misc./Unidentifiable, Min. Reporting Limit in fs/sample											

Results Approved By Technical Director:




Natalie Brown

Comments:

Modification: surface samples are rated countable or not, based on DR & spore load; only the presence of spore types and/or growth structures will be reported if uncountable. A min. of 20% sample is counted if countable; for >500fs/sample counting stops after completion of the traverse in which 100fs are reached for that spore; Est. performed for >100 fs/traverse. Deviation from standard: All calculated values reported to nearest whole number. Analysis relates only to samples tested & is based on sampling data provided by the client on a sample Chain of Custody; AMD is not responsible for data supplied by an independent tech. This report shall not be reproduced, except in full and without approval by AMD. QC data is available by request. All reported results relate to samples as received by the client at 100 N. Forest Rd., Amherst, NY



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1.2 Sample Chain of Custody



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1.3 Mold Spore Description Chart

Mold Spore Description Chart

Alternaria	Common allergen causing hay fever or hypersensitivity reactions that sometimes lead to asthma, serious infections are rare, except in people with compromised immune systems. Normal agents from the decomposition of plants.
Arthrinium	No reported infections associated with this fungus. Normally not found indoors.
Ascospores	Very common outdoor spore, associated with rain and moisture.
Aspergillus/ Penicillium-like	Possible allergen. Common cause of respiratory irritation and infection. Found on water damaged wallpaper, carpet and organic materials.
Basidiospores	Possible allergen to sensitive individuals, no known serious health effects associated with this fungus. Mushrooms and dry rot are examples of basidiospore producing fungi.
Bipolaris/ Dreschlera	Allergen that can affect nose, skin, eye and upper respiratory track. Found on grasses, grains and decaying food.
Botrytis	Potential allergen, hay fever and asthma effects. Parasite commonly found growing on indoor plants.
Chaetomium	Not well studied but possible allergen with hay fever and asthma effects. Rare cases of nail infections. Found on a variety of cellulose, paper and plant compost.
Cladosporium	Potential allergen, hay fever and asthma effects. Grows well in damp environments, on textiles and window sills.
Curvularia	Hay fever, asthma and or allergic fungal sinusitis are some of the potential allergens associated with this fungi. Possible human health risk. Has been known to cause onychomycosis, ocular keratitis, sinusitis, mycetoma, pneumonia, endocarditis, cerebral abscess, and disseminated infection.
Epicoccum	Potential allergen, effects are hay fever, asthma and skin allergies. Found in soil, air and rotting vegetation.
Fusarium	Potential allergen, hay fever and asthma effects. Commonly found on fruit rot, requires very wet conditions.
Ganoderma	Commonly found in the atmosphere, grows on wood products. Possible allergen at high concentrations.
Memnoniella	Mycotoxin producing spore related to and often found in conjunction with Stachybotrys.
Nigrospora	Potential allergen, hay fever and asthma effects. Usually not found growing indoors. Found on decaying plant material and soil.
Oidium/Peronospora	Common obligate parasites on leaves, stems, fruits of living higher plants.
Pithomyces	Possible allergen. Grows well on paper indoors, given the right conditions.
Rust	Potential allergen, hay fever and asthma effects. Rarely found growing indoors.
Smut/Myxomyces /Periconia	Potential allergen, hay fever and asthma effects. Rarely found growing indoors.
Stachybotrys	Often referred to as “toxic black mold”. It has the ability to produce mycotoxins which may cause a burning sensation in the mouth, throat and nasal passages. Chronic exposure has been known to cause headaches, diarrhea, memory loss and brain damage. Found growing on water damaged cellulose, paper and ceiling tiles.
Torula	Potential allergen, hay fever and asthma effects. Found growing on water damaged cellulose, paper, wicker, straw baskets and ceiling tiles.
Ulocladium	Grows well on cellulose containing materials like paper, straw, wallboard. Requires very wet conditions.
Unidentified Spores	NA
Hyphal Fragments	Branched structures with cell walls. Hyphae are somewhat analogous to stems or roots in plants whereas the spores would be analogous to the seeds.
Pollen	Allergen that causes hay fever. Pollen is microscopic round or oval grains produced by plants.



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2.0 Site Photographs

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Appendix I

Site Photographs



Observation:

Overall existing conditions of the interior mold remediation locations as of 01/21/2025.



Observation:

Overall existing conditions of the interior mold remediation locations as of 01/21/2025.

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Appendix I

Site Photographs



Observation:

Overall existing conditions of the interior mold remediation locations as of 01/21/2025.



Observation:

Overall existing conditions of the interior mold remediation locations as of 01/21/2025.

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Appendix I

Site Photographs



Observation:

Overall existing conditions of the interior mold remediation locations as of 01/21/2025.



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3.0 Firm Qualifications and Personnel Licenses



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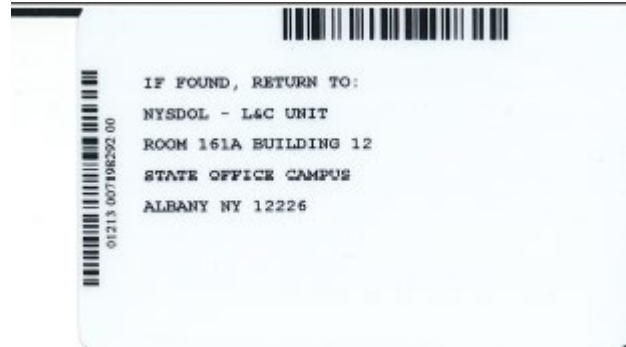
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4.0 Lab Qualifications



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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72 E. Niagara St. Suite 100
Tonawanda, NY 14150
Joylyn Kovatchev Phone: 716 833 0043

BIOLOGICAL

Valid To: October 31, 2025

Certificate Number: 4299.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on air, surface sampling systems, and bulk samples:

<u>Test</u>	<u>Reference Method</u>
Categorization and Quantification of Airborne Fungal Structures by Optical Microscopy	ASTM D7391
Categorization and Quantification of Surface Fungal Structures by Optical Microscopy	ASTM D7391 (Modified)



Accredited Laboratory

A2LA has accredited

AMD ENVIRONMENTAL CONSULTANTS, INC.

Tonawanda, NY

for technical competence in the field of

Biological Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

Presented this 2nd day of November 2023.

A blue ink signature of the Vice President, Accreditation Services, for the Accreditation Council.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4299.01
Valid to October 31, 2025



For the tests to which this accreditation applies, please refer to the laboratory's Biological Scope of Accreditation.