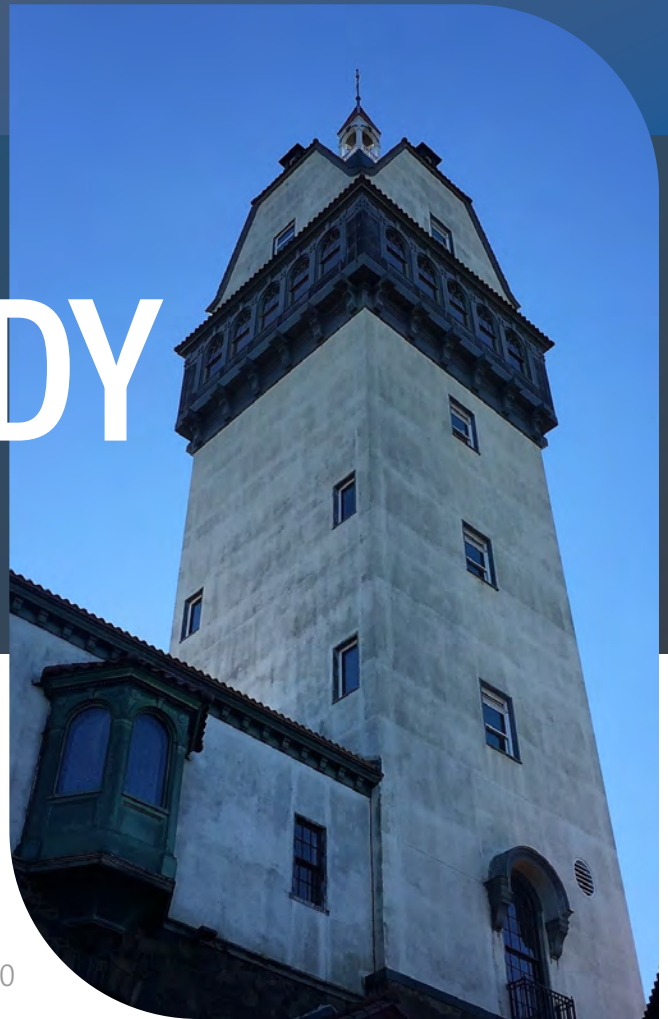




PERFORMANCE IN THE FIELD

CASE STUDY

May 2025
Avon, Connecticut



OVERVIEW

This case study highlights the combined challenges of recurring dampness and elevated exterior spore counts, presenting an uphill battle for this basement remediation project.

Alternaria, Curvularia, and Myxomycetes/Smuts, which were initially observed at low levels, were completely eliminated. The majority of the total spore count consisted of Aspergillus/Penicillium, with pre-remediation levels of 130,560 cts/m³ reduced by 99.8%. Hyphal fragments, which are not included in the total spore count, were present at elevated levels and were reduced by 99.3%.

It's important to note that Ascospores, Basidiospores, and Cladosporium levels all increased post-remediation. However, the control sample shows that exterior levels of Ascospores and Basidiospores increased significantly from pre-remediation testing, while Cladosporium levels remained elevated - providing a clear rationale for the corresponding increases in indoor levels.

SOLUTIONS USED

DE-MOLD Probiotic biological fog

BIO-CLEAN Probiotic biological surface cleaner

RE-HYDRO Hydrogen Peroxide heavy duty surface cleaner

2 Day to complete work

3 Technicians performing work

3 Solutions used for remediation

RESULTS

Organism	Pre Counts	Post Counts	Reduction
Aspergillus / Penicillium	130,560	205	99.8%
Hyphal Fragment	7834	51	99.3%
Total Spore	131,584	3,891	97.0%

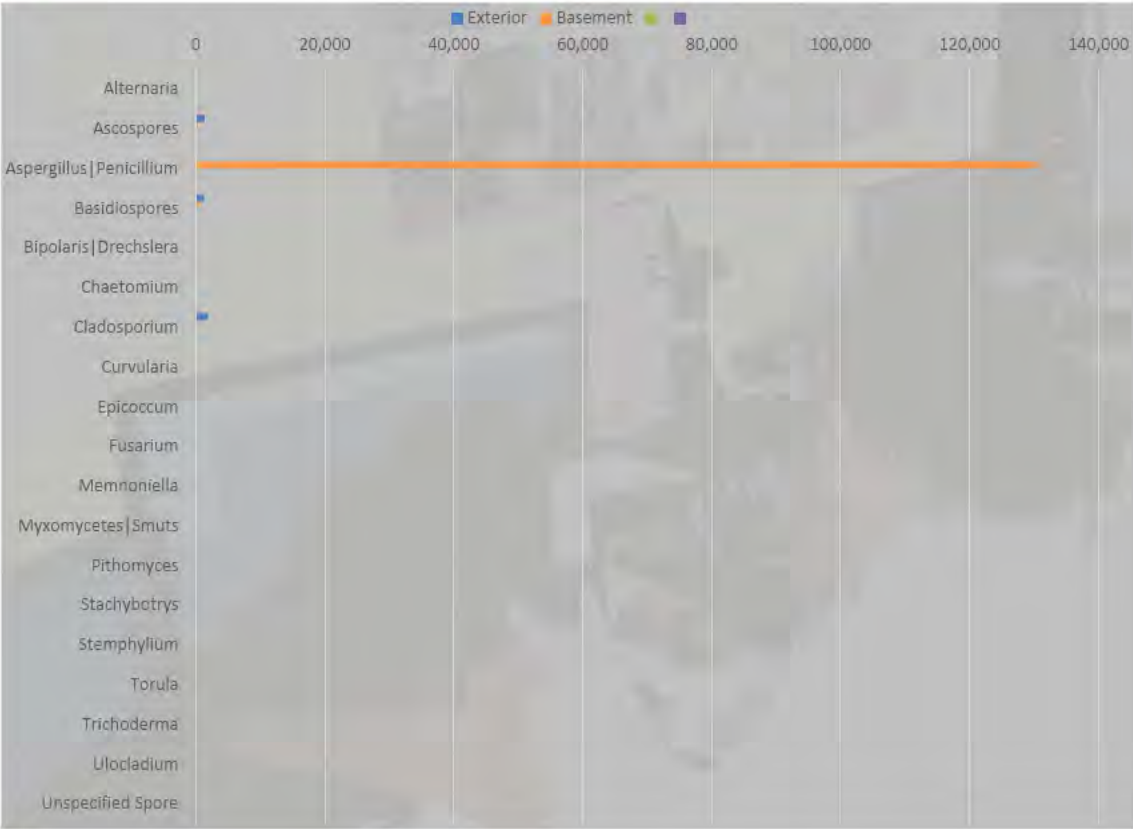


Newton Report ID

Property/Customer Name			Site Street Address			Site City			Site State			Site Zip		
						Avon			CT			06001		
Company Email			Company Phone Number			Date Collected			Date Received					
inspections@sherwoodinspection.com; david@sherwoodinspection.com			860-646-9983			4/29/2025			04/30/2025					
Company Address			Company Name			Sample Collected by			Date Analyzed					
1071 Ellington Rd, South Windsor, CT 06074			Sherwood Inspection Services			Brad Peters			04/30/2025					
Newton ML Sample ID			Sample Name/Location			Volume (L)			Background			Analytical Sensitivity (Cts/M³)		
			Exterior			75			3			51		
Cassette Type			Sample Type			Air-O-Cell®			Spore Trap					
			Spore Trap											
Organism			Counted			Cts/M³			% of Total					
Alternaria			Not Detected											
Ascomycetes			26			1,331			29.21%					
Aspergillus/Penicillium			2			102			2.25%					
Basidiospores			24			1,229			26.97%					
Bipolaris/Drechslera			Not Detected											
Chaetomium			Not Detected											
Cladosporium			36			1,843			40.45%					
Curvularia			Not Detected											
Epicoccum			Not Detected											
Fusarium			1			51			1.12%					
Memnoniella			Not Detected											
Myxomycetes/Smuts			Not Detected											
Pithomyces			Not Detected											
Stachybotrys			Not Detected											
Stemphylium			Not Detected											
Torula			Not Detected											
Trichoderma			Not Detected											
Ulocladium			Not Detected											
Unspecified Spore			Not Detected											
Total			89			4,557			100.00%					
Hyphal Fragment			Not Detected											
			153			7834			-					
Comments														



Newton Report ID
[Redacted]





Property/Customer Name				Site Street Address				Site City				Site State				Site Zip			
								Avon				CT				06001			
Company Email				Company Phone Number				Date Collected				Date Received							
inspections@sherwoodinspection.com;david@sherwoodinspection.com				860-646-9983				5/13/2025				05/14/2025							
Company Address				Company Name				Sample Collected by				Date Analyzed							
1071 Ellington Rd, South Windsor, CT 06074				Sherwood Inspection Services				Brad Peters				05/14/2025							
Newton ML Sample ID																			
Sample Name/Location				Exterior				Kitchen				Basement							
Volume (L)				75				75				75							
Background				3				3				2							
Analytical Sensitivity (Cts/M³)				51				51				51							
Cassette Type				Air-O-Cell®				Air-O-Cell®				Air-O-Cell®							
Sample Type				Spore Trap				Spore Trap				Spore Trap							
Organism				Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total	Counted	Cts/M³	% of Total							
Alternaria				1	51	0.13%	Not Detected			Not Detected									
Ascospores				390	19,968	50.58%	9	461	25.71%	15	768	19.74%							
Aspergillus/Penicillium				12	614	1.56%	6	307	17.14%	4	205	5.26%							
Basidiospores				330	16,896	42.80%	10	512	28.57%	53	2,714	69.74%							
Bipolaris/Drechslera				Not Detected			Not Detected			Not Detected									
Chaetomium				Not Detected			Not Detected			Not Detected									
Cladosporium				35	1,792	4.54%	10	512	28.57%	4	205	5.26%							
Curvularia				Not Detected			Not Detected			Not Detected									
Epicoccum				Not Detected			Not Detected			Not Detected									
Fusarium				Not Detected			Not Detected			Not Detected									
Memnoniella				Not Detected			Not Detected			Not Detected									
Myxomycetes/Smuts				2	102	0.26%	Not Detected			Not Detected									
Pithomyces				Not Detected			Not Detected			Not Detected									
Stachybotrys				Not Detected			Not Detected			Not Detected									
Stemphylium				Not Detected			Not Detected			Not Detected									
Torula				Not Detected			Not Detected			Not Detected									
Trichoderma				Not Detected			Not Detected			Not Detected									
Ulocladium				Not Detected			Not Detected			Not Detected									
Unspecified Spore				1	51	0.13%	Not Detected			Not Detected									
Total				771	39,475	100.00%	35	1,792	100.00%	76	3,891	100.00%							
Hyphal Fragment				9	461	-	4	205	-	1	51	-							
Comments																			

