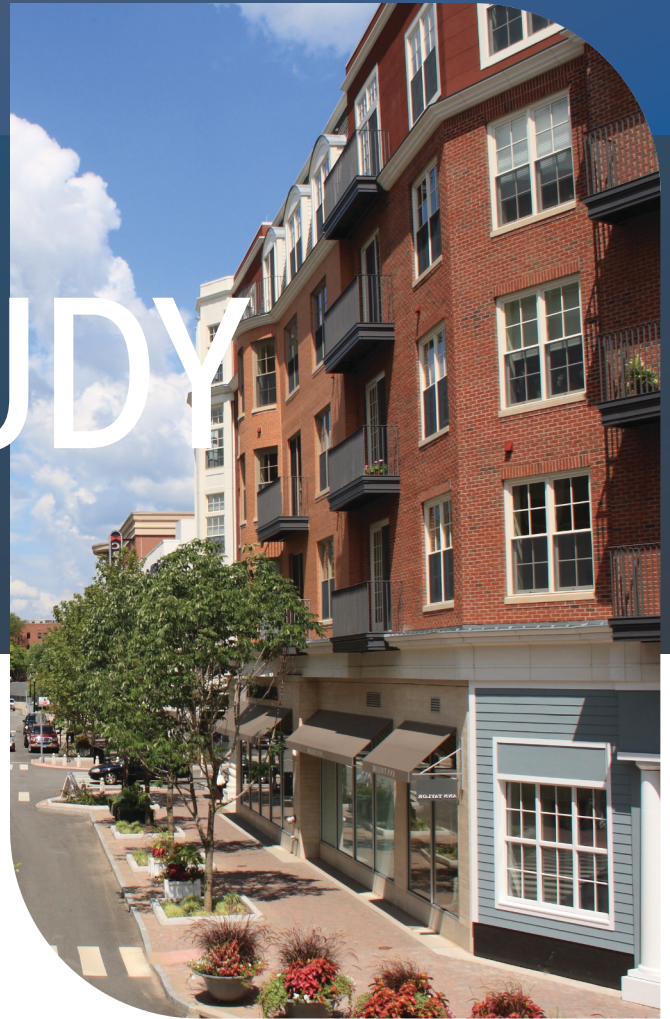




PERFORMANCE IN THE FIELD

CASE STUDY

May 2026
West Hartford, Connecticut



OVERVIEW

Poor moisture management and controls in the crawlspace of this home led to Aspergillus/Penicillium levels that were nearly off the charts at over 14 million counts. In just two days, a crew of six was able to clean and treat all surfaces, including insulation that was left in place, as well as the air volume for mold using RE-Hydro and DE-Mold. On the second day, moisture controls were implemented with a new sealed vapor barrier, ventilation, and dehumidification.

Counts for Aspergillus/Penicillium, Chaetomium, Stachybotrys, Hyphal Fragments, and Total Mold Spores were reduced nearly 100% across the board.

It's important to note that other areas of the home were not treated at this time, and 3 weeks had elapsed prior to testing, allowing for significant air mixing. Additionally, the exterior control exhibited significant mold counts.

SOLUTIONS USED

- **DE-MOLD** Probiotic biological fog
- **RE-HYDRO** Hydrogen Peroxide heavy duty surface cleaner

- 2** Day to complete work
- 6** Technicians performing work
- 2** Solutions used for remediation

| RESULTS | Organism | Pre Counts | Post Counts | Reduction |
|---------|---------------------------|------------|---------------|-----------|
| | Aspergillus / Penicillium | 14,746,214 | 205 | 100% |
| | Chaetomium | 59,136 | None Detected | 100% |
| | Hyphal Fragment | 23,245 | 205 | 100% |
| | Total Spore | 14,806,118 | 3,686 | 100% |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|------------------------------|--|--|--|--|--|--|--|----------------------|--|--|--|--------------|--|--|--|--------------------|--|--|--|--------------|--|--|--|
| Property/Customer Name | | | | Site Street Address | | | | Site City | | | | Site State | | | | Site Zip | | | | | | | | | | | |
| [Redacted] | | | | [Redacted] | | | | West Hartford | | | | CT | | | | 06107 | | | | | | | | | | | |
| Company Email | | | | Company Phone Number | | | | Date Collected | | | | Date Received | | | | | | | | | | | | | | | |
| inspections@sherwoodinspection.com;david@sherwoodinspection.com | | | | 860-646-9983 | | | | 3/30/2026 | | | | 03/31/2026 | | | | | | | | | | | | | | | |
| Company Address | | | | Company Name | | | | Sample Collected by | | | | Date Analyzed | | | | | | | | | | | | | | | |
| 1071 Ellington Rd, South Windsor, CT 6074 | | | | Sherwood Inspection Services | | | | Brad Peters | | | | 03/31/2026 | | | | | | | | | | | | | | | |
| Newton ML Sample ID | | | | Sample Name/Location | | | | Sample Name/Location | | | | Sample Name/Location | | | | | | | | | | | | | | | |
| [Redacted] | | | | Exterior - Control | | | | Master Bedroom | | | | Master Bathroom | | | | Basement | | | | | | | | | | | |
| Volume (L) | | | | Background | | | | Analytical Sensitivity (Cts/M ³) | | | | Cassette Type | | | | Sample Type | | | | | | | | | | | |
| 75 | | | | 3 | | | | 51 | | | | Air-O-Cell® | | | | Spore Trap | | | | | | | | | | | |
| 75 | | | | 3 | | | | 51 | | | | Air-O-Cell® | | | | Spore Trap | | | | | | | | | | | |
| 3 | | | | 51 | | | | Air-O-Cell® | | | | Spore Trap | | | | Spore Trap | | | | | | | | | | | |
| 51 | | | | Air-O-Cell® | | | | Spore Trap | | | | Spore Trap | | | | Spore Trap | | | | | | | | | | | |
| Air-O-Cell® | | | | Spore Trap | | | | Spore Trap | | | | Spore Trap | | | | Spore Trap | | | | | | | | | | | |
| Spore Trap | | | | Spore Trap | | | | Spore Trap | | | | Spore Trap | | | | Spore Trap | | | | | | | | | | | |
| Organism | | | | Counted | | | | Cts/M ³ | | | | % of Total | | | | Counted | | | | Cts/M ³ | | | | % of Total | | | |
| Alternaria | | | | Not Detected | | | | 1 | | | | 51 | | | | 0.92% | | | | Not Detected | | | | Not Detected | | | |
| Ascopores | | | | 24 | | | | 1,229 | | | | 17.65% | | | | 23 | | | | 1,178 | | | | 21.10% | | | |
| Aspergillus Penicillium | | | | 11 | | | | 563 | | | | 8.09% | | | | 31 | | | | 1,587 | | | | 28.44% | | | |
| Basidiospores | | | | 60 | | | | 3,072 | | | | 44.12% | | | | 32 | | | | 1,638 | | | | 29.36% | | | |
| Bipolaris Drechslera | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Chaetomium | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Cladosporium | | | | 41 | | | | 2,099 | | | | 30.15% | | | | 20 | | | | 1,024 | | | | 18.35% | | | |
| Curvularia | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Epicoccum | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Fusarium | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Memmoniella | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Myxomycetes Smuts | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Pithomyces | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Stachybotrys | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Stemphylium | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Torula | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Trichoderma | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Ulocladium | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Unspecified Spore | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | | Not Detected | | | |
| Total | | | | 136 | | | | 6,963 | | | | 100.00% | | | | 109 | | | | 5,581 | | | | 100.00% | | | |
| Hypthal Fragment | | | | 1 | | | | 51 | | | | - | | | | 3 | | | | 154 | | | | - | | | |
| Comments | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|------------------------------|--|--|--|---------------------|--|--|--|---------------|--|--|--|----------|--|--|--|
| Property/Customer Name | | | | Site Street Address | | | | Site City | | | | Site State | | | | Site Zip | | | |
| [Redacted] | | | | [Redacted] | | | | West Hartford | | | | CT | | | | 06107 | | | |
| Company Email | | | | Company Phone Number | | | | Date Collected | | | | Date Received | | | | | | | |
| inspections@sherwoodinspection.com;david@sherwoodinspection.com | | | | 860-646-9983 | | | | 5/7/2026 | | | | 05/08/2026 | | | | | | | |
| Company Address | | | | Company Name | | | | Sample Collected by | | | | Date Analyzed | | | | | | | |
| 1071 Ellington Rd, South Windsor, CT 6074 | | | | Sherwood Inspection Services | | | | Brad Peters | | | | 05/08/2026 | | | | | | | |
| Newton ML Sample ID | | | | [Redacted] | | | | [Redacted] | | | | [Redacted] | | | | | | | |
| Sample Name/Location | | | | Exterior - Control | | | | Basement | | | | Living Room | | | | | | | |
| Volume (L) | | | | 75 | | | | 75 | | | | 75 | | | | | | | |
| Background | | | | 2 | | | | 2 | | | | 2 | | | | | | | |
| Analytical Sensitivity (Cts/M ³) | | | | 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/M ³ | | | | % of Total | | | | | | | |
| Alternaria | | | | 1 | | | | 51 | | | | 0.09% | | | | | | | |
| Ascospores | | | | 1,065 | | | | 54,528 | | | | 95.34% | | | | | | | |
| Aspergillus Penicillium | | | | 20 | | | | 1,024 | | | | 1.79% | | | | | | | |
| Basidiospores | | | | 29 | | | | 1,485 | | | | 2.60% | | | | | | | |
| Bipolaris Drechslera | | | | Not Detected | | | | | | | | | | | | | | | |
| Chaetomium | | | | Not Detected | | | | | | | | | | | | | | | |
| Cladosporium | | | | 2 | | | | 102 | | | | 0.18% | | | | | | | |
| Curvularia | | | | Not Detected | | | | | | | | | | | | | | | |
| Epicoccum | | | | Not Detected | | | | | | | | | | | | | | | |
| Fusarium | | | | Not Detected | | | | | | | | | | | | | | | |
| Memmoniella | | | | 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 | | | | 1,117 | | | | 57,190 | | | | 100.00% | | | | | | | |
| Counted | | | | 22 | | | | 1,126 | | | | 30.56% | | | | | | | |
| Not Detected | | | | 4 | | | | 205 | | | | 5.56% | | | | | | | |
| Counted | | | | 30 | | | | 1,536 | | | | 41.67% | | | | | | | |
| Not Detected | | | | 15 | | | | 768 | | | | 20.83% | | | | | | | |
| Counted | | | | 872 | | | | 44,646 | | | | 77.10% | | | | | | | |
| Not Detected | | | | 3 | | | | 154 | | | | 0.27% | | | | | | | |
| Counted | | | | 243 | | | | 12,442 | | | | 21.49% | | | | | | | |
| Not Detected | | | | 10 | | | | 512 | | | | 0.88% | | | | | | | |
| Counted | | | | 1 | | | | 51 | | | | 0.09% | | | | | | | |
| Not Detected | | | | 2 | | | | 102 | | | | 0.18% | | | | | | | |
| Counted | | | | 72 | | | | 3,686 | | | | 100.00% | | | | | | | |
| Not Detected | | | | 1,131 | | | | 57,907 | | | | 100.00% | | | | | | | |
| Hypthal Fragment | | | | 8 | | | | 410 | | | | - | | | | | | | |
| Counted | | | | 4 | | | | 205 | | | | - | | | | | | | |
| Not Detected | | | | 9 | | | | 461 | | | | - | | | | | | | |
| Comments | | | | | | | | | | | | | | | | | | | |