



## Memorandum

**To:** Charles O'Brien, Director of Facilities and Capital Planning  
Office of Court Management, Massachusetts Trial Court

**From:** Ann D. Eckmann, CIH, Industrial Hygiene Group Leader  
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Reviewed by: Dean Lamborn, CIH, CSP, TRC Project Manager

**Subject:** Results of Follow-up Microbial Air Sampling on 9/8/21  
Roderick L. Ireland Courthouse, Springfield, Massachusetts

**Date:** September 8, 2021

**CC:** Michael Lane, Environmental, Health & Safety Manager of Facilities and  
Capital Planning, Office of Court Management, Massachusetts Trial Court

**TRC Project:** 458085

TRC Environmental Corporation (TRC) prepared this memorandum to outline progress to date on the mold investigation and remediation efforts at the above-referenced courthouse as of 9/8/21. Specifically, this memorandum describes the results of follow-up microbial air sampling in three locations on 9/8/21

### Background Information

Based on the results of microbial air sampling in the above-referenced courthouse on 9/6/21, TRC recommended re-cleaning, air scrubbing with high efficiency particulate air (HEPA)-filtered air filtration devices, and follow-up air sampling in three locations including:

1. Ground level G37C Mail Room;
2. 3<sup>rd</sup> floor Superior Courtroom 3; and
3. 3<sup>rd</sup> floor Records Room (listed on floor plan as 3<sup>rd</sup> floor Superior Courtroom 1 Conference Room A).

TRC understands that the re-cleaning and air scrubbing actions were implemented on 9/7/21, and TRC conducted follow-up air sampling on 9/8/21 with same-day sample analysis. The results of air sampling of these three locations show improvement from 9/6/21 to 9/8/21 are summarized below:

<b>Results of Post-Cleaning, Follow-up Sampling for Airborne Mold Spores Roderick L. Ireland Courthouse, Springfield, Massachusetts September 6 and 8, 2021</b>				
<b>Location</b>	<b>Date of Air Sample Collection</b>			
	<b>9/6/21</b>		<b>9/8/21</b>	
	<b>Sample ID</b>	<b>Result (spores/m<sup>3</sup>)</b>	<b>Sample ID</b>	<b>Result (spores/m<sup>3</sup>)</b>
Outdoors #1	32976017	4,920 no pen-asp type reported in sample	32976055	18,140 100 are pen-asp type
Outdoors #2	32975991	4,960 no pen-asp type reported in sample	32973839	8,150 no pen-asp type reported in sample
3 <sup>rd</sup> floor, Superior Courtroom 3	32973838	8,180 8,100 are pen-asp type	32976064	80 no pen-asp type reported in sample
3 <sup>rd</sup> floor, Superior Courtroom 1 Records Room Conference Room A, converted into Records Storage Room	32975481	10,800 10,600 are pen-asp type	32973840	540 460 are pen-asp type
Ground floor, G27C mail room	32975842	710 670 are pen-asp type	32975989	460, all are pen-asp type

Spores/m<sup>3</sup> = spores per cubic meter of air      Pen-asp = penicillium/aspergillus spore types  
Note that indoor sampling results are evaluated by comparing with outdoor sampling results – indoor concentrations should be lower than outdoor concentrations and should have a similar population mix of spores.

Based on the follow-up air sampling results, and prior observations and sampling results within the inspected areas, the courthouse may be open for occupancy as of 9/8/21, including the 3<sup>rd</sup> floor Superior Courtroom 3.

While results in the 3<sup>rd</sup> floor Records Storage Room and the ground floor Mail Room are considered to be only slightly elevated with respect to Penicillium-Aspergillus type spores, TRC recommends the following precautions:

1. Restrict access to these rooms.
2. Continue to operate air scrubbing equipment in these rooms until an additional round of follow-up air sampling has been completed. The air scrubbing equipment may be sized appropriately for the relatively small room sizes.
3. 3<sup>rd</sup> floor Records Storage Room:
  - Perform additional cleaning of the bound paper records in the Records Storage Room using HEPA vacuum methods.
  - HEPA vacuum ceiling tile.
  - Repeat HEPA vacuuming of the carpet.
4. Perform additional cleaning of the ground level G37C Mail Room.
5. Repeat air sampling in the 3<sup>rd</sup> floor Records Storage Room and the ground floor Mail Room after the additional cleaning and air scrubbing is complete. Air scrubbers should operate at minimum overnight to 24 hours after completion of cleaning, prior to collecting air samples.

As part of building management's on-going efforts to maintain the building environment, following these measures, TRC recommends periodic inspections to document conditions in the building environment with respect to mold and relative humidity.