

Case Study 2: Sub Floor Mould Remediation

Pre-remediation results

- Extremely high airborne fungal levels in sub floor (1484 CFU/m³) and room above (7067 CFU/m³)
- Extremely high surface fungal levels on subfloor beams, joists and floor boards

Scope of Works

- Complete remediation of sub floor, including timber floor boards, joists, beams and sub soil
 - o Mould treatment and removal of top layer of contaminated subsoil
 - o Removal of contents under subfloor
 - o Remove and replace mould contaminated and damaged floor boards
 - o HEPA vacuuming and damp wiping or physical agitation with mould cleaning solution (MCS)
 - o Further sanding back of contaminated timber may be required in areas of heavy mould penetration

Post-remediation results

- Low airborne and surface fungal levels

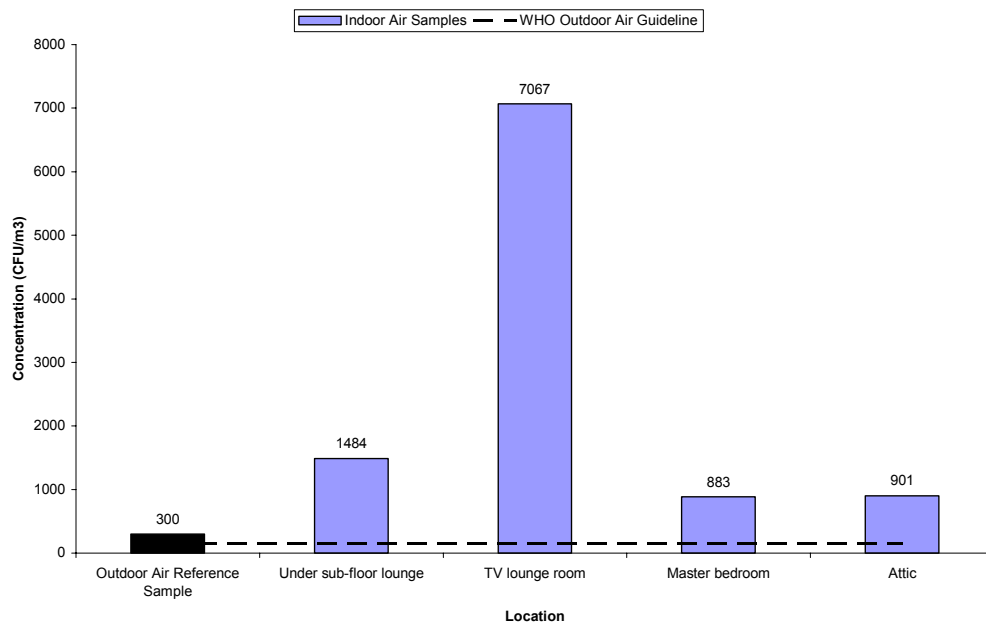


Figure 1 Airborne Fungal Concentration: Pre-Remediation



Figure 2 Sub-floor inspection



Figure 3 Heavy visible sub-floor mould contamination



Figure 4 Mould contamination of underside of floor boards



Figure 5 Close up of mould contamination on sub-floor timber



Figure 6 HEPA vacuuming



Figure 7 Removal of mould contaminated timber floor boards



Figure 8 Sanding back of sub-floor timber



Figure 9 Remediation sub-floor soil

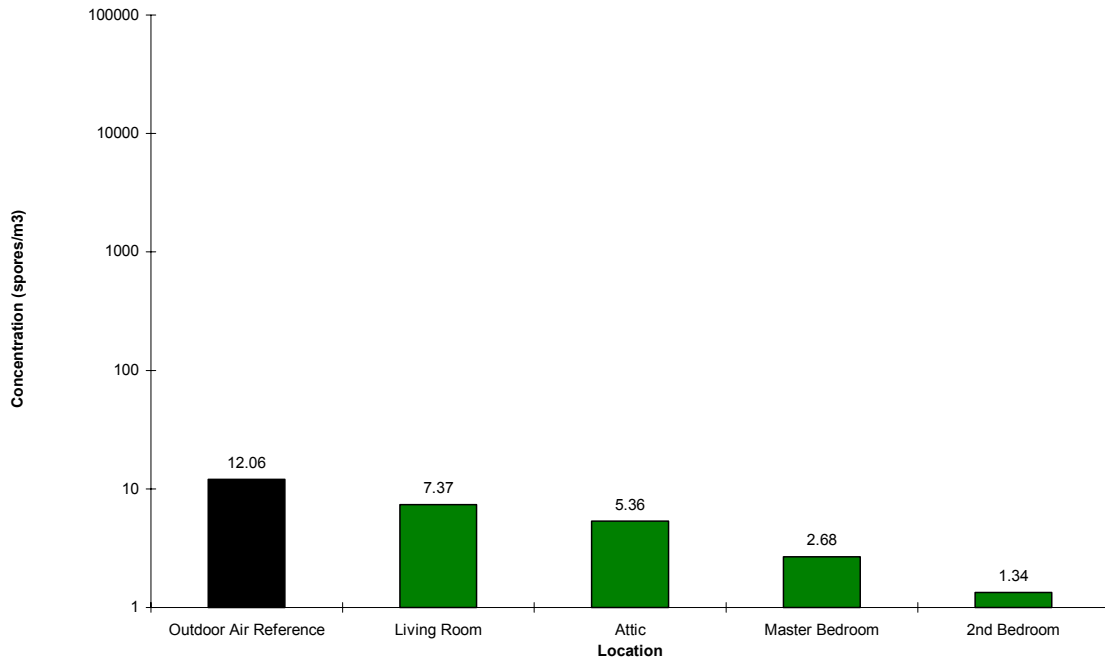


Figure 11 Airborne Fungal Spore Concentration (spores/m³): Post – Remediation

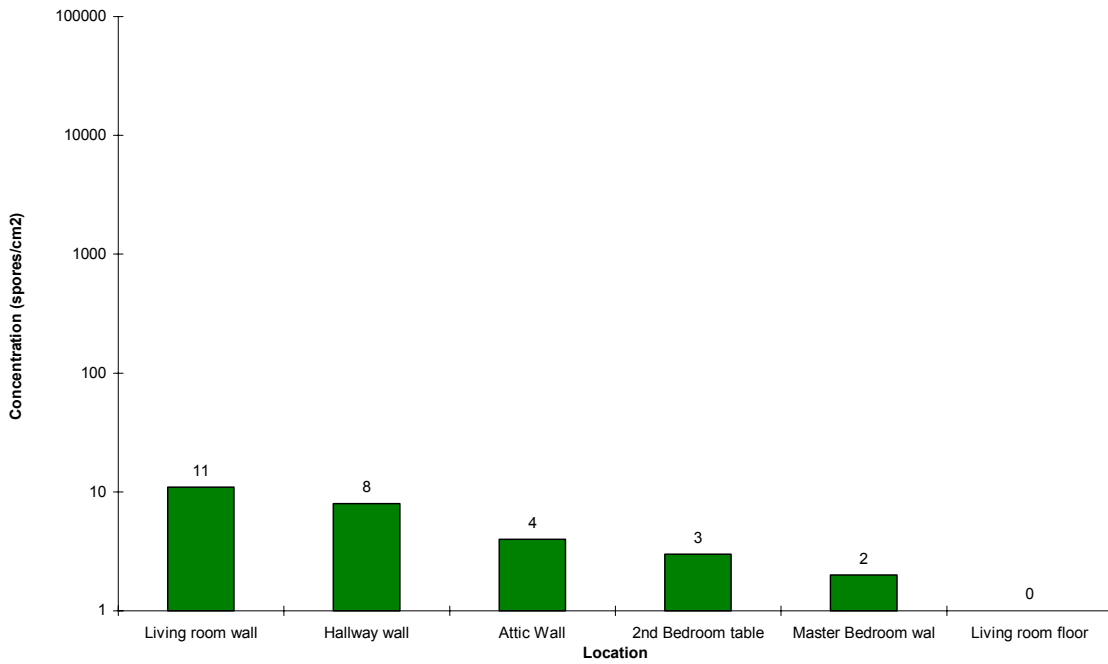


Figure 11 Surface Fungal Spores Concentration: Post – Remediation