

Case Study 3: Large Scale Mould Remediation

Pre-remediation results

- Extremely high airborne fungal levels in block of rooms and in hall ways (indoor avg = 2170 CFU/m³, outdoor avg = 345 CFU/m³)
- Extremely high surface fungal levels on ceilings, wardrobes, walls.

Scope of Works

- Complete remediation of building including removal of mould contaminated surfaces (built in wardrobes, contaminated ducting, contaminated contents, timber skirting and architrave, and carpets.
- Reinstatement including patching and painting, installation of new air-conditioning, refit of new furniture and carpeting

Post-remediation results

- Low airborne and surface fungal levels

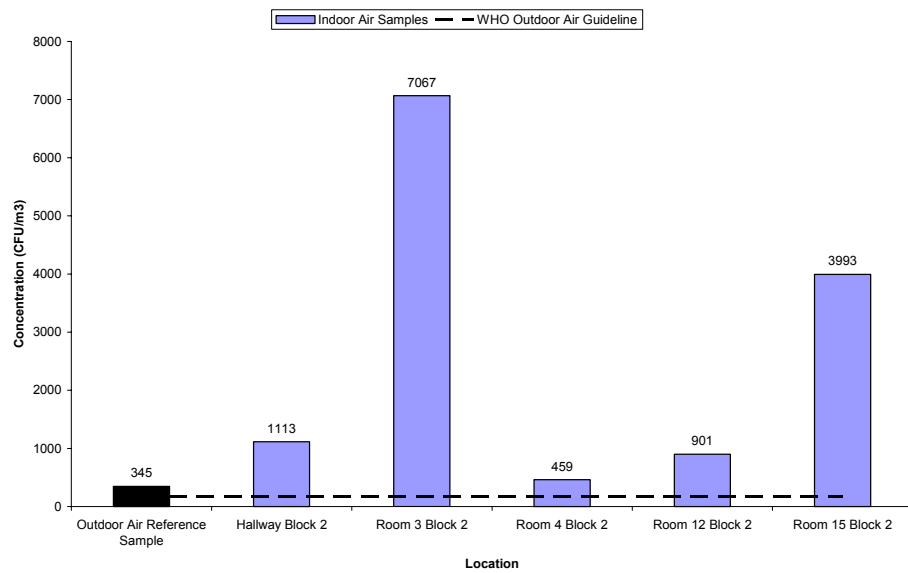


Figure 1 Airborne Fungal Concentration: Pre-Remediation

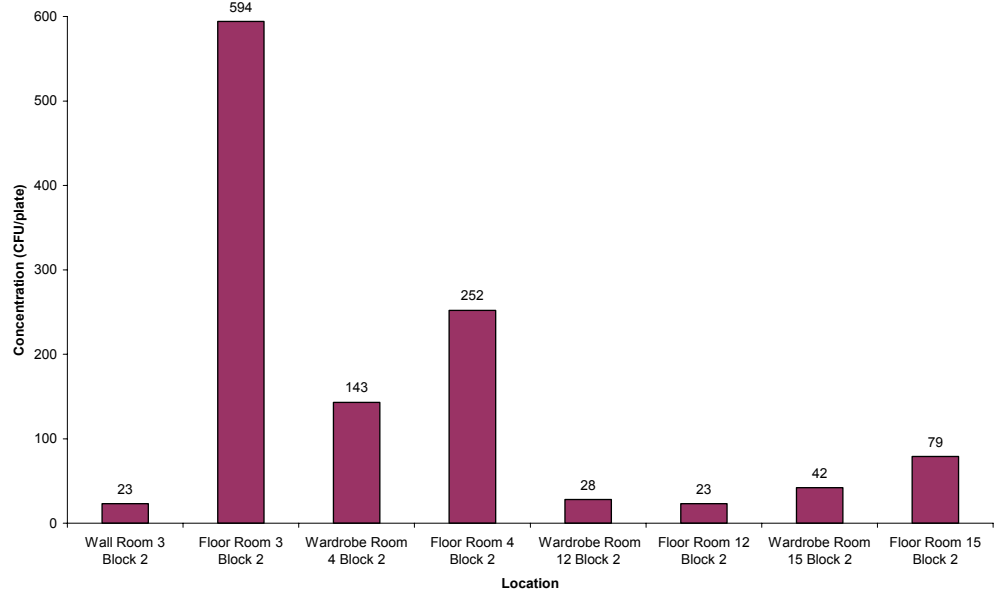


Figure 1 Surface Fungal Concentration: Pre-Remediation



Figure 3 Heavy mould contamination of HVAC ducting and panels



Figure 4 Mould contaminated split air conditioning systems



Figure 5 Heavy mould contamination on walls and ceilings



Figure 6 Underside of mould contaminated gyprock ceilings



Figure 7 Removal of mould contaminated ducting



Figure 8 Removal of mould contaminated timber works



Figure 9 HEPA vacuuming



Figure 10 Re-installation of HVAC system



Figure 11 Mould remediation of split system units including coils, fan barrel, fins and filters



Figure 12 Restoration of carpets



Figure 13 Painting of surfaces – walls and ceilings

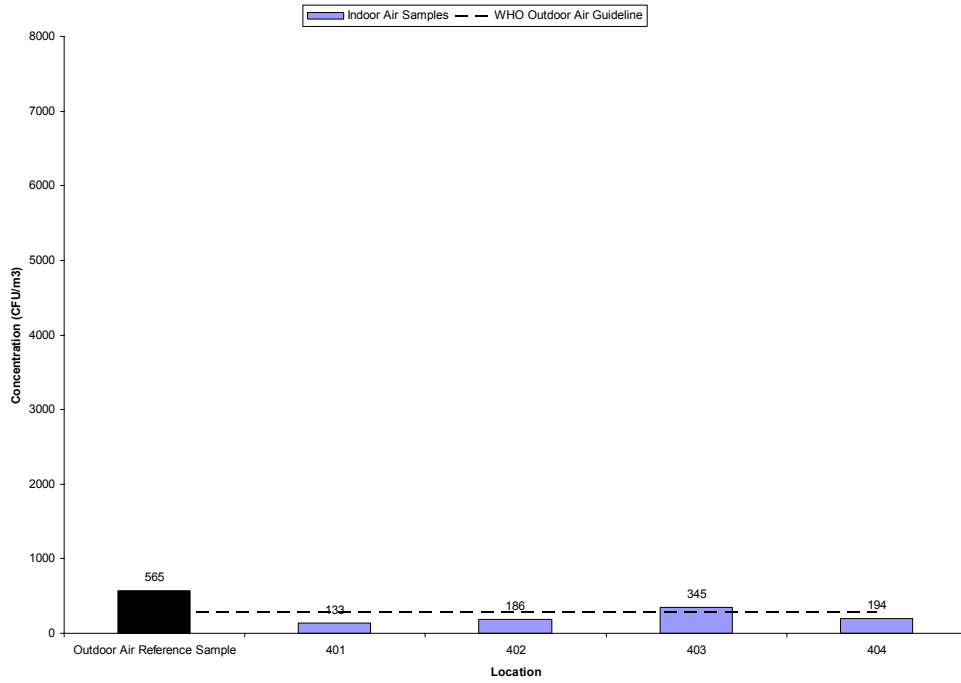


Figure 14 Airborne Fungal Spore Concentration (spores/m³): Post – Remediation

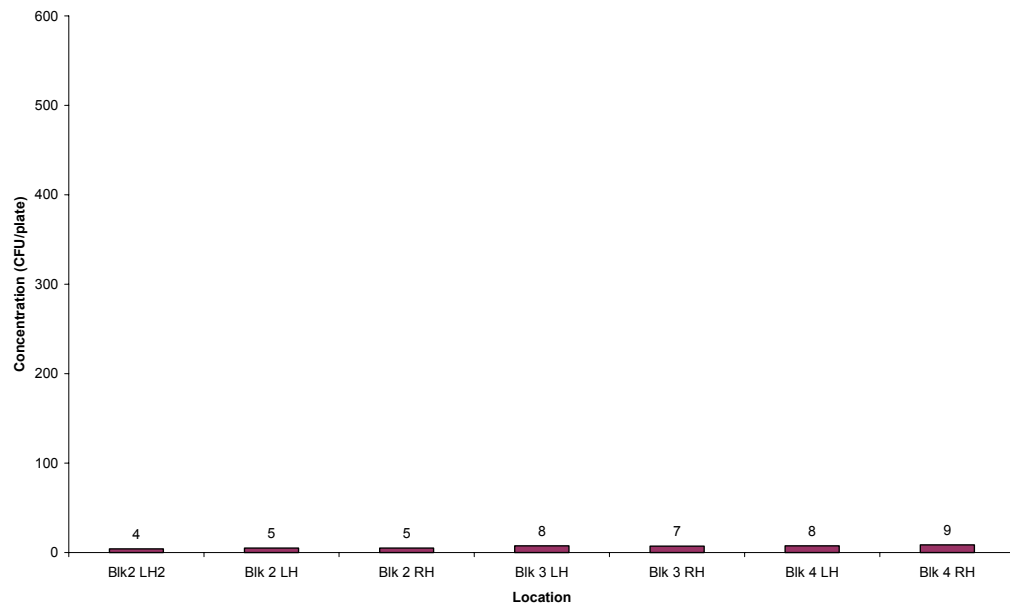


Figure 15 Surface Fungal Spores Concentration: Post – Remediation