

Case Study 5 – Ducted HVAC System Hygiene & Mould Remediation

Pre-remediation results

- Extremely high airborne fungal levels in rooms.
- Extremely high surface fungal levels on ducts, registers and fan coil units.
- Mouldy odours coming out of ducted HVAC system

Scope of Works

- Hygienic cleaning and mould remediation of ducted HVAC system including registers, cooling coils, ducts
- Clearance testing after all works completed

Post-remediation results

- Low surface fungal levels in ducts, registers and cooling coils
- No mouldy odours from ducted HVAC system

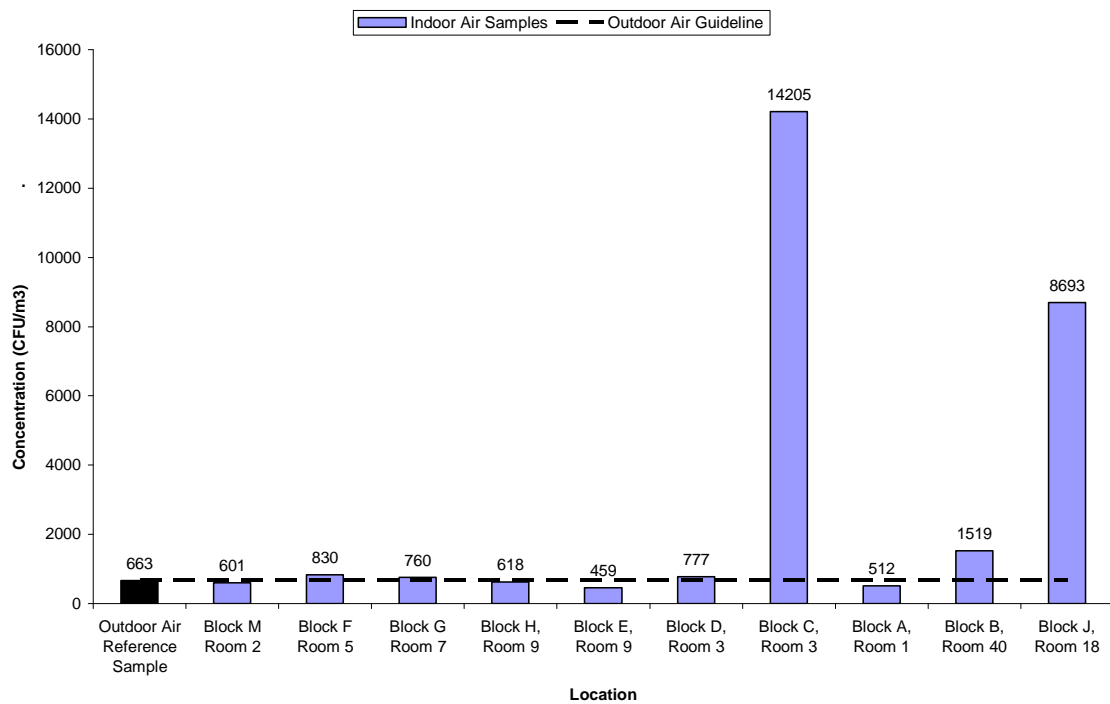


Figure 1 Airborne Fungal Concentration: Pre-remediation

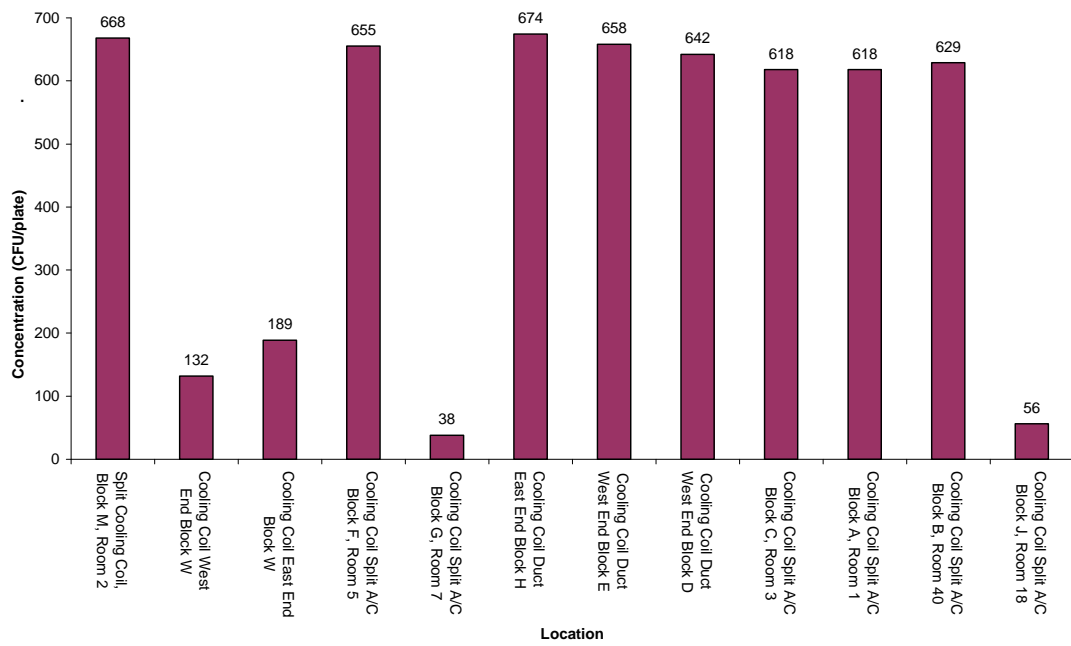


Figure 2 Surface Fungal Concentration: Pre-Remediation



Figure 3 Ducting prior to HVAC hygiene & mould remediation



Figure 4 Ducting prior to HVAC hygiene & mould remediation



Figure 5 Contact cleaning inside ducts



Figure 6 HEPA vacuuming of surfaces inside ducts



Figure 7 Duct cleaning using whip & compressed air



Figure 8 Duct cleaning using whip & compressed air



Figure 9 Duct cleaning using whip & compressed air



Figure 10 Encapsulating process



Figure 11 Encapsulation of ducting

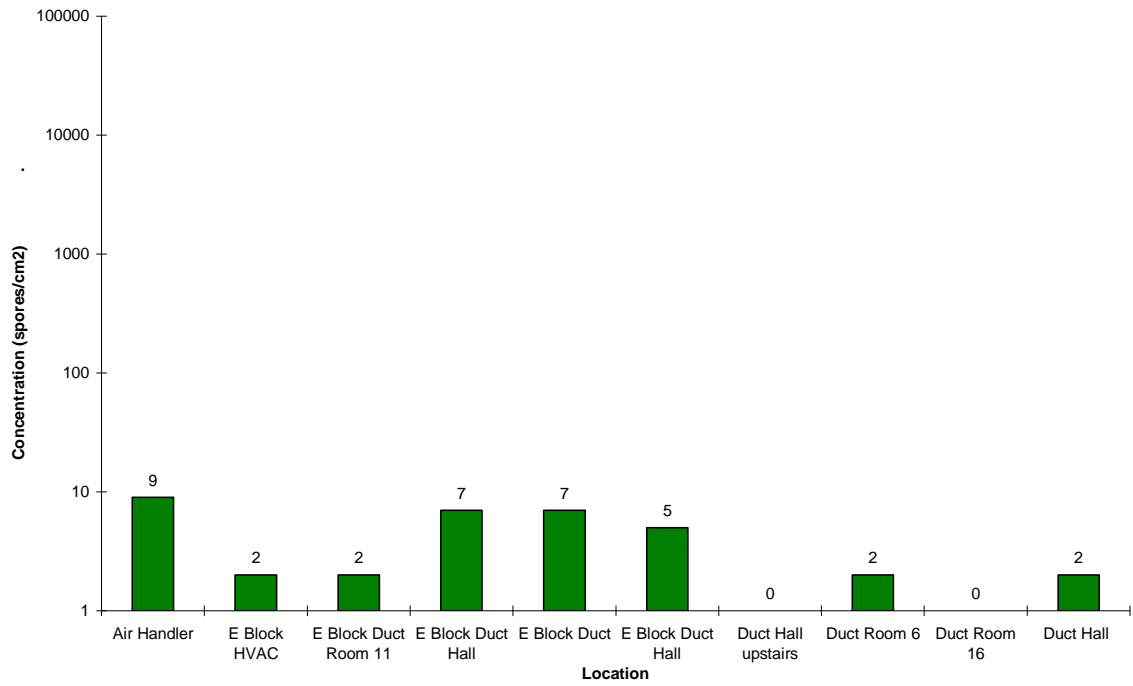


Figure 12 Surface Fungal Concentrations: Post-remediation

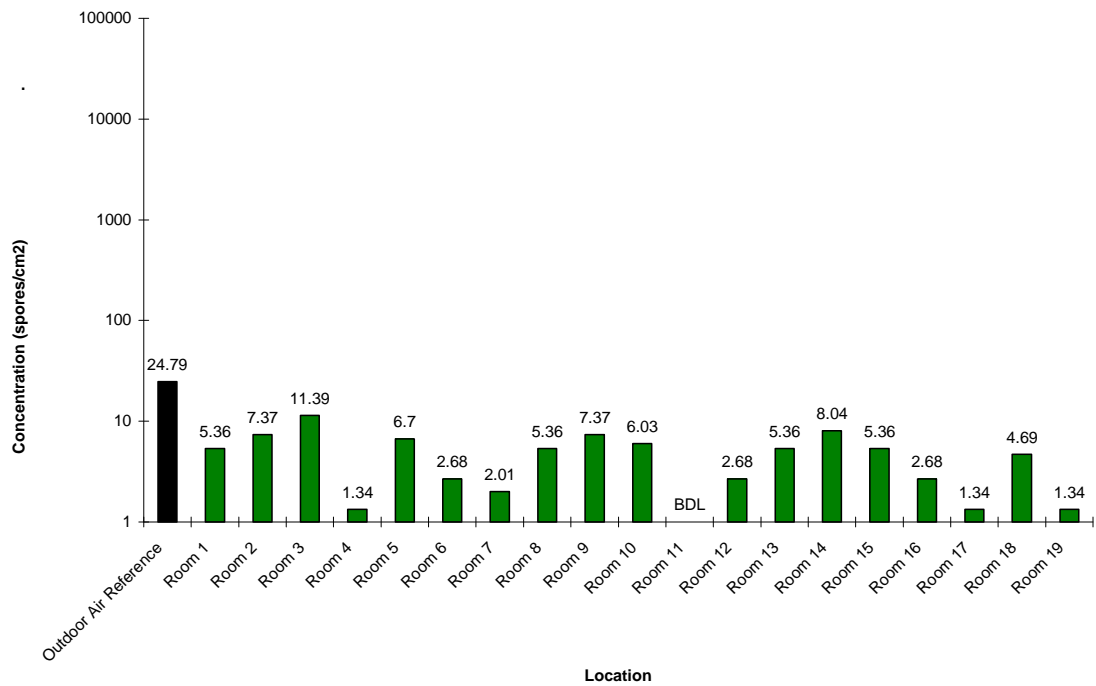


Figure 13 Airborne Fungal Concentrations: Post-remediation