

School/Facility: Forest Ridge Elementary

Location: Media Storage Closet

Date of IEQ Report Form: November 10, 2016

Date(s) Investigated: November 11, 2016

Date of Report: December 23, 2016

IEQ Concern:

Suspect mold growth observed on components of a wall mounted air conditioning unit during school's IEQ walk-through inspection.

IEQ Investigation Process:

Identify deficiencies that may impact IEQ and/or sources of odor concerns. Typically includes the following depending on the nature of concern, but not limited to:

- interview/questionnaire of concern individual(s)
- inspection above drop ceiling (condition of roof deck, pipe insulation, return air plenum)
- inspection of ventilation system (operation of variable air volume box and outdoor air dampers, check controls, measurements of carbon dioxide, temperature and relative humidity, sources near outdoor air intake, measure return and supply air volume, cleanliness of coils, liner and condensate pan)
- inspection of exterior
- inspection below drop ceiling (housekeeping, sink and floor drain traps, signs of past and present moisture concern via visual and/or moisture meter, mold growth, ensure connection of current and capping of abandoned sanitary vents, odorizers, excessive plants and fabric items, identify potential pathways, and measure volatile organic compounds, carbon monoxide, and lighting)

Findings:

- Grime (dirt, mold spotting, etc.) observed on plastic fins and casing of the HVAC unit. Normal if not cleaned periodically due to ambient particulate and thermal differential of chilled plastic components and room air.

Corrective Actions:

- The wall unit (Mr. Slim) was addressed by:
 - Cleaned coils, filters and air supply vents.
 - Used no rinse coil cleaner to remove grime.
 - Flushed Drain line with compressed air.
- Until a routine preventive maintenance plan is established to address all wall mounted units in the system, school custodial and media staff are to periodically observe and submit a School Dude work order when cleaning is warranted.