

School/Facility: Mayfield Woods Middle

Location: Tech Ed Storage

Date of IEQ Report Form: January 5, 2017

Date(s) Investigated: January 3, 2017

Date of Report: March 6, 2017

IEQ Concern:

The IEQ walk through identified spotty mold growth on a portion (1.5' x 3') of the metal roof deck.

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:

- Spotty mold growth observed on the paint of the metal roof deck above exterior door.

Corrective Actions:

- The upper ledge of the exterior wall was foamed to prevent air infiltration which may cause thermal differentials of the metal roof deck surface and ambient air, thus forming condensate on the roof deck.
- The impacted area of the metal roof deck was painted.