

School/Facility: Pointers Run Elementary

Location: Teachers' Lounge

Date of IEQ Report Form: April 12, 2017

Date(s) Investigated: April 12, 2017

Date of Report: July 6, 2017

IEQ Concern:

A school staff member and contractor observed mold growth on a wall and sides of a refrigerator and vending machine within the teacher's lounge.

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:

- Mold growth on a section of drywall beside a refrigerator within the kitchen nook.
- Mold growth on sides of a refrigerator and vending machine that were side by side.
- Mold growth was the result of thermal differentials between surfaces and the lack of or no spacing around appliances allowing for ventilation.

Corrective Actions:

- The impacted surfaces of the appliances was cleaned and disinfected with custodial product Q128 (EPA registered) at the time of finding.
- The section of drywall was replaced by a restoration contractor.
- School administration was informed to allow for at least a few inches of air space surrounding appliances and to periodically inspect surfaces for mold growth.