

School/Facility: Mayfield Woods Middle School
Location: Penthouse Mechanical Room
Date of IEQ Report Form: April 10, 2018 (Observed during IEQ Walkthrough)
Date(s) Investigated: April 13, 2018
Date of Report: April 25, 2018

IEQ Concern:

Discoloration was observed on fiberglass duct insulation within the penthouse mechanical room.

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 with concerned 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:

- Approximately 7 Linear Feet of discoloration (black/grey) was observed on the fiberglass duct insulation within the penthouse mechanical room. The discoloration may be staining associated with dust and dirt and/or mold growth.

Corrective Actions:

- As a precaution, the discolored areas were treated with a biocide and then encapsulated with a mold inhibiting duct sealant. The duct insulation will be assessed during the next IEQ walkthrough. Students do not have access to the locked mechanical room.