

School/Facility: Howard High
Location: Wrestling Room
Date of IEQ Report Form: May 3, 2017
Date(s) Investigated: May 3, 2017
Date of Report: July 13, 2017

IEQ Concern:

Suspicious growth found on a few pipe surfaces located above the doors entering the 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 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:

- The staining was mold growth on only the portions of chilled water piping extending below the drop ceiling.
- The room was cold and reading at 66.5 degrees.
- A supply air diffuser is nearby and blowing air onto the pipes.
- Condensate is forming on surface of the pipe insulation due to thermal differentials.

Corrective Actions:

- The room's set point was raised to 72 degrees.
- The pipe insulation was removed and replaced.
- The school is to continue monitoring the pipe insulation during their IEQ walk through inspections.