

School/Facility: Mount Hebron High School
Location: Room 220
Date of IEQ Report Form: March 28, 2018 (Community Member Inquiry, no form submitted)
Date(s) Investigated: March 28, 2018
Date of Report: April 23, 2018

IEQ Concern:

Two individuals indicated they smelled a musty odor in Room 220.

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:

- No suspect mold growth or musty odors were observed in the room.
- No elevated moisture was detected in the drywall or wood casework via a moisture meter (drywall/wood setting respectively).
- Minor water staining was observed above the drop-ceiling on fiberglass pipe insulation. The pipe insulation is currently dry. No suspect mold growth was observed.
- Minor rust staining was observed on the ceiling grid (approximately 1-2 linear feet of impact).
- Mineral deposits were observed on the fins of the Roof Top Unit (RTU) associated with the space.
- The Variable Air Volume Box was inspected by Buildings Services. No concerns were noted with the VAV Box.

Corrective Actions:

- The mineral deposits on the fins of the RTU were cleaned by Building Services (HVAC).
- On April 10, 2018 the rust on the ceiling tile grid was cleaned and re-painted (Work Order #66042).