

School/Facility: Glenwood Middle
Location: Administrative Work Room
Date of IEQ Report Form: February 13, 2017
Date(s) Investigated: February 24, 2017
Date of Report: May 5, 2017

IEQ Concern:

A strong musty odor lasting approximately 1.5 hours.

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:

- An odor was not detected above or below the drop ceiling at the time of the investigation.
- The crawlspace hatch was tightly closed and sealed with caulk.
- The wall and ceiling mounted ventilation units were in good condition.
- A gap in the block wall was observed in the one corner behind a roof drain pipe.
- Fiberglass batt insulation was observed above the drop ceiling. The batt insulation was removed throughout the school a few years ago when installing the sprinkler system. The batt insulation was removed at the time as a result of an IEQ investigation finding several years ago. The environment (i.e. temperature) above the drop ceiling and the batt insulation interacted to produce an odor.

Corrective Actions:

- The batt insulation was removed and the gap within the block wall was sealed during spring break.