

School/Facility: Fulton Elementary School
Location: Room 40
Date of IEQ Report Form: April 12, 2018 (email correspondence)
Date(s) Investigated: April 19, 2018
Date of Report: May 2, 2018

IEQ Concern:

An individual reported a strong musty odor.

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 the 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:

- An odor was not detected during the investigation. IEQ deficiencies were not observed during the assessment of the ventilation unit serving the room or within the room's interior.
- Staff indicated the room had been feeling warm and the odor seems noticeable during the recent days of warm weather.
- Building Services indicated they had put the school's chiller (allows for air conditioning) back on-line April 12, 2018.

Corrective Actions:

- The aroma of an interior space can be influenced by an unseasonably warm and humid day when a ventilation system is not able to cool. As a result, the ventilation delivers the required outdoor air which is not conditioned (heat / cool), thus the temperature and humidity may influence the aroma of building and classroom materials. In addition, although the housekeeping of the ventilation unit is acceptable, the initial use of air

conditioning may produce a cool damp metallic aroma as the condensate forms on the cooling coils for the first few times until cooling is in regular demand.

- If the odor persists, please contact the Office of the Environment when the odor is noticed. If available, an individual from the Office of the Environment will visit the site as soon as reasonably possible to attempt to identify the odor.