

School/Facility: Patapsco Middle School
Location: Rooms A3 and A6
Date of IEQ Report Form: Work Orders 12252 and 12259 on November 17, 2016
Date(s) Investigated: December 7, 2016
Date of Report: February 27, 2017

IEQ Concern:

Individuals detected a musty and/or damp 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 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 metal coils of the roof top ventilation unit did not have a particulate buildup, but appeared to have a mineral buildup.

Corrective Actions:

- The individuals are to immediately contact the Office of the Environment (410) 313-6699 when the odor is detected again. The Office of the Environment will immediately investigate if readily available.
- Building Services swept up debris in and around return filter area before the coil. Sprayed coil with coil cleaner. Sprayed and rinsed coil with water. Cleaned debris and rust from drain pan and drain trap. The filters were installed and RTU turned back on.