

School/Facility: Marriotts Ridge High

Location: Room 231

Date of IEQ Report Form: November 14, 2016

Date(s) Investigated: November 30, 2016

Date of Report: March 31, 2017

IEQ Concern:

Staff reported a musty smell and concerns of mold. The concern stemmed from a parent comment.

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 coils of the fan coil units in room 231 and adjoining classroom had a heavy particulate buildup.
- A Gideon Air Sanitizer GD UV SNTZ01 was observed within room 231 to assist with addressing the odor. The product emits negative ions in addition to UV sanitizing of the air.

Corrective Actions:

- School administration is to:
 - Inform staff and/or ensure the plug-in Gideon Air Sanitizer is not permitted and removed.
 - Consider requesting to Building Services that the carpet be removed and replaced with floor tile in areas impacted by incidents involving body fluids.

- Work order 14423 was generated. Building Services cleaned all three FCU coils within the above location.