

School/Facility: Patuxent Valley Middle
Location: Room 107 and Hallways
Date of IEQ Report Form: January 10, 2017
Date(s) Investigated: January 30, 2017
January 11, 2017 (ARIA Environmental Inc.)
Date of Report: February 24, 2017 (ARIA Environmental Inc.)
February 27, 2017 (HCPSS)

IEQ Concern:

An individual was experiencing several health symptoms.

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 current renovation phase encompasses the old guidance office and rooms 142 and 143. Issues were observed with the barriers separating the work areas from the occupied areas.
- Overall the area surrounding the renovation is in good condition despite many, if not all, the doors into the construction area are shared with the occupied areas. The majority of the existing walls go to the roof deck offering a solid barrier.
- However there were areas of CMU walls with voids allowing dust into occupied

areas. This was especially the case above the wood entryway near what was rooms 142 and 143. The hallways in the occupied areas do not have a ceiling allows for a direct pathway for dust to travel to occupied areas.

- The work activity at the time of the investigation was installation of drywall where dust can be produced along with periodic sweeping of floors.

Corrective Actions:

- HCPSS Construction Office ensured that contractors sealed up any pathways from the work area to the occupied spaces.
- See ARIA Environmental's report.

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