

**School/Facility:** Pointers Run Elementary

**Location:** Speech Office

**Date of IEQ Report Form:** June 1, 2017

**Date(s) Investigated:** June 7, 2017

**Date of Report:** September 12, 2017

**IEQ Concern:**

An individual reported a 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 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 air handling unit (AHU) was reviewed during an investigation conducted April/May 2017. A report was issued and posted June 2, 2017.
- The sound liner's primary barrier of the air handling unit (AHU) is failing (cracking and/or peeling). The sound liner is not pitted or showing signs of eroding due to its failing primary layer/barrier. The failing liner could produce black flakes that can be emitted from the air supply diffusers and settle out on interior surfaces. The flakes would be considered a nuisance / housekeeping matter not a health concern since too large of a particle.
- A musty odor was not detected and no potential sources identified.

**Corrective Actions:**

- An upcoming mechanical (ventilation system) renovation will address the failing sound liner. The finding does not require immediate attention.