

**School/Facility:** Elkridge Elementary School  
**Location:** Portables 155 and 159  
**Date of IEQ Report Form:** February 28, 2018 (noted during IEQ Walkthrough)  
**Date(s) Investigated:** March 6, 2018  
**Date of Report:** April 5, 2018

**IEQ Concern:**

Mildew, grime, and rust staining were observed on select metal supply air diffusers during the school's Indoor Environmental Quality (IEQ) Walkthrough.

**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 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:**

- The tamperproof thermostat covering was missing in both portables.
- The finding is likely due to improper ventilation / thermostat settings during cooling season.

**Corrective Actions:**

- Per work order 62496, Building Services replaced the impacted diffusers, checked thermostat settings, installing tamper proof covers over the thermostats, and reviewed the operation of the ventilation unit. No concerns were found with the operation of the ventilation unit.