

School/Facility: Hollifield Station Elementary School

Location: Portable 72

Date of IEQ Report Form: December 22, 2017

Date(s) Investigated: January 5, 25, and 26, 2018

Date of Report: February , 2018

IEQ Concern:

An individual reported a general health concern and inquired about indoor air quality and mold.

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:

- No elevated moisture readings were detected within the area rug via a moisture probe.
- No elevated moisture readings were detected in the lower portions of the drywall or around windows via a moisture probe (drywall setting).
- No water staining or suspect mold growth was observed in the portable.
- The Heating Ventilation and Air Conditioning Unit (HVAC) that services the portable was assessed. The unit appeared acceptable with the exception of some debris within the return.
- An interview with the individual indicated that the HVAC equipment was not working properly at the beginning of the school year (Autumn). The equipment was repaired (work order #55123) and the general health concern was reported to have ceased.
- Evidence of burrowing was observed around the portable (2 locations).

Corrective Actions:

- The debris observed within the return was cleaned/vacuumed on January 30, 2018 under work order #57860.
- A work order (#57959) was created for the Integrated Pest Management Team to assess and address the evidence of burrowing observed under the portable. The assessment is currently underway.
- The individual is to report back to the Office of the Environment in the spring (increased humidity, differing HVAC operating conditions) to determine if additional assessment is necessary.