

School/Facility: Centennial Lane Elementary
Location: Kindergarten Classroom (includes adjoining), media center, music 211, art, and gymnasiums
Date of IEQ Report Form: January 13, 2017
Date(s) Investigated: January 23 and 27, 2017
Date of Report: March 20, 2017

IEQ Concern:

Parent expressing concern regarding their child's general 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 student's main kindergarten classroom has a reading area containing fabric carpet mats, pillows, and cushions.
- The art room contained a large throw rug/carpet.
- The art room had one ceiling tile containing two brown water stains. The source is either the roof or the ventilation unit on top of the roof.
- The operation of the outdoor air dampers to the roof top ventilation units (RTUs) serving the art room and music 211 is in question (observed to be closed).

Corrective Actions:

- The water stained ceiling tile was replaced and to be monitored since no apparent cause was identified. Please ensure push pins have been placed to mark area and responsible Building Services shop.
- Building Services has initially reviewed the closure of the RTU's outdoor air damper. Further diagnostics need to be performed and possible parts replacement (work order 19304). Since the RTUs do not utilize water (possible freeze concern) to condition the air, Building Services will attempt to manually open the outdoor air dampers to a minimum setting until mechanical functioning of the damper is resumed. Building Services is to monitor.
- The school administration is to evaluate if the throw carpet in the art room and fabric items in the kindergarten reading area are HCPSS approved. If they are, school administration is to have the custodial staff clean. If not, it is recommended to be removed.