

School/Facility: Centennial Lane Elementary
Location: Front Office Reception Area
Date of IEQ Report Form: March 21, 2017
Date(s) Investigated: March 24, 2017
Date of Report: May 11, 2017

IEQ Concern:

Staff reported experiencing 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 metal mesh pre-filter to the roof top ventilation unit serving the front office appeared clogged and aged.
- The variable air volume (VAV) box, part of the ventilation equipment serving the reception area, could not be evaluated at the time of investigation because the thermostat it works off of is computer controlled. Building Services HVAC shop later assessed the VAV box.

Corrective Actions:

- The VAV box damper was opening and closing properly when calling for heat and cooling.
- The screen metal mesh was cleaned with water and reinstalled.