

School/Facility: Murray Hill Middle

Location: Room 120

Date of IEQ Report Form: May 4, 2017

Date(s) Investigated: May 10, 2017

Date of Report: July 20, 2017

IEQ Concern:

An unusual odor was reported during the school's April 7, 2017 IEQ walk through inspection.

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:

- Room 206 is above this classroom which also was reported to have mildew smell during the school's IEQ walk through inspection.
- Books were observed to be covering the unit ventilator's supply diffuser.
- Student desks were aligned against the unit ventilator.

Corrective Actions:

- School administration is to inform staff not to place items on top of the unit ventilator, especially the supply air grille. This obstructs airflow and the cool damp air may form mold growth on the materials placed over the grille.
- School administration is to consider not having staff align student desks against /along the unit ventilator because of possible draft to the student(s) and students are likely to drop items into the supply air grille and foul the condensate pan and/or coils.