

School/Facility: Lime Kiln Middle
Location: Band Room
Date of IEQ Report Form: April 18, 2017
Date(s) Investigated: April 19 and subsequent visit within a week later (date not documented)
Date of Report: July 10, 2017

IEQ Concern:

An individual detected both a musty and strong cleaning agent odor as a result of recent flooding and restoration event taking place over spring break. The individual also noted dampness beneath podium.

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 carpet in both musical rooms was poorly installed which resulted in inadequate weld seams of carpet sections. As a result, although surface of carpet was dry, the underside (solid backing) was wet. Water from the event found its way through these improper seams. This was noted in a few areas in both rooms by touch and a moisture probe.
- The subsequent visit indicated all impacted areas had dried around and under the poor seams.
- The restoration contractor extracted and cleaned the carpet using the product End Zone (see attached Safety Data Sheet).
- Custodial personnel had sprayed corners of the room's carpeting with their product DX 50 to assist with musty odor (see attached Safety Data Sheet).

Corrective Actions:

- As a result of a poor installation, the carpet was replaced in both music rooms and practice room from May 5th to the 7th.
- Custodial staff is not to attempt correcting and/or masking an odor after a flooding event by spraying carpet de-odorizer. Contact the Office of the Environment should there be any concerns after a flooding event.