

School/Facility: Burleigh Manor Middle

Location: Art Room

Date of IEQ Report Form: February 25, 2017

Date(s) Investigated: March 1, 2017

Date of Report: April 27, 2017

IEQ Concern:

Staff reported discoloration and particulate accumulation on tape of spray booth ducting and kiln exhaust flex duct, stained ceiling tile around spray booth duct, and discolored floor tiles in the storage room.

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 kiln's exhaust flex duct (foil) was discolored from age and heat.
- The spray booth duct tape was discolored from age and abrasion allowing metal duct to show through the tape.
- The water stained ceiling tile around the spray booth duct was from past incidents. A rain event took place the evening prior to the investigation and the ceiling tiles were dry.
- Staff moved items in storage and noticed discoloration on the floor tile which was dirt.

Corrective Actions:

- Building Services replaced the kiln exhaust duct.
- Building Services sealed the spray booth duct work seams with new tape.
- School custodial staff was to replace ceiling tile and monitor.
- School custodial staff was to clean entire floor within the storage closet.