Maintaining Good Indoor Air Quality in Schools

Ron Clark

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Indoor Air Coordinator

• Schools must all have someone designated as their IAQ

• 410 IAC 33-3-1

• b) The IAQ coordinator’s contact information shall also be published:
  • (1) on the school or state agency’s website; and
  • (2) in the school or state agency’s handbook.
Carbon dioxide

- 410 IAC 33-4-2
- Sec. 2. (a) Outdoor air shall be supplied to classrooms when occupied.
- (b) Carbon dioxide (CO2) concentrations in the breathing zone shall never exceed seven hundred (700) ppm over the outdoor CO2 concentration.
Vehicle Idling

• 410 IAC 33-4-3
• Schools should now have a written campus wide policy addressing idling vehicles on school grounds.
Temperature and Humidity

• For occupied classrooms
  – Heating - minimum of 68 degrees
  – Cooling (if have AC) maximum of 78 degrees and 65% relative humidity
HVAC system

• 410 IAC 33-4-5
• Must have written procedure for routine maintenance that includes schedules for:
  • Inspecting HVAC system, ensuring all supply and return ducts unobstructed, cleaning of HVAC coils (annually at minimum), inspecting and changing filters.
  • Maintain written maintenance logs for cleaning and changing filters.
Allergens

• 410 IAC 33-4-6
• Ozone generators sold as air purifiers not to be used while students present.
• No scented candles or air fresheners in classroom.
• Water intrusion or mold discovered corrective action taken within 48 hours.
• Carpet vacuums have HEPA filtration by January 1, 2015
Animals in classroom

• 410 IAC 33-4-7
• Furred, feathered, or reptilian animals only allowed for educational purposes
• Fish aquariums do not have educational requirement.
• If animals allowed must have written policy
  – What types, When allowed, Duration
  – Housekeeping requirements
  – How allergy issues will be addressed
Chemicals

• 410 IAC 33-4-8

• School shall adopt and enforce a policy that minimizes student and staff exposure to chemicals.

• (Can you show me a copy of your chemical management plan?)

• Appropriate ventilation for chemicals used during class.
Furniture

• 410 IAC 33-4-9

• Classroom furniture maintained so as to prevent accumulation or growth of allergens.
  – (Proper cleaning)

Sanitary Schoolhouse Rule already states furniture must be durable and easily cleanable (no upholstered furniture in classrooms)
2011-2013 School violations
39 Schools

- No violation: 5
- Elevated Carbon dioxide: 27
- HVAC fan off: 18
- HVAC blocked supply: 3
- Mold: 4
- Air Fresheners / candles: 7
- Water stains: 7
- Upholstered Furniture: 3
- Construction dust: 1
Where to find the IAQ Rule


• Or: Google 410 IAC 33
Indoor Air Coordinator

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How to Contact Us

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