



Creating Exceptional Facilities for Student Success



The IAQ Tools for Schools Guidance



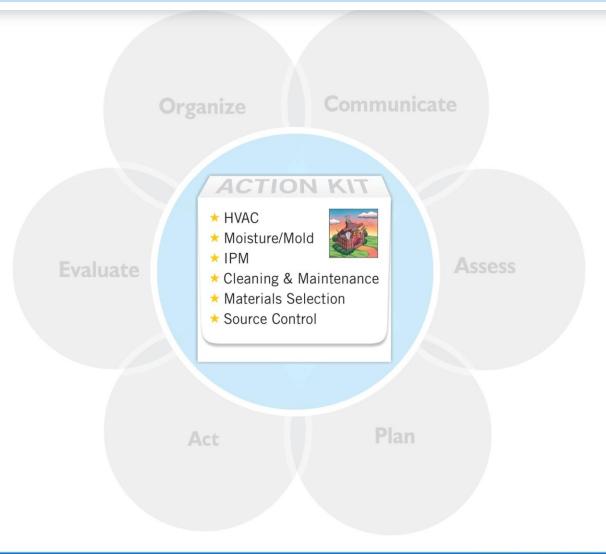


Framework for Effective School IEQ Management The Six Key Drivers



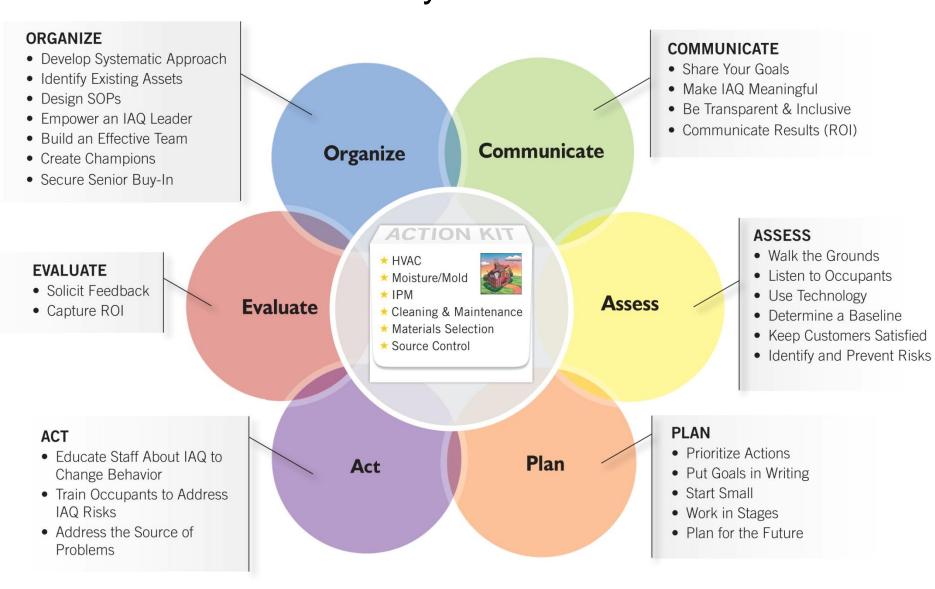


Framework for Effective School IEQ Management The Six Technical Solutions





The Framework for Effective School IEQ Management: Key Drivers



The Framework for Effective School IEQ Management: Technical Solutions

ACTION KIT

- ★ HVAC
- ★ Moisture/Mold
- **★ IPM**
- ★ Cleaning & Maintenance
- Materials Selection
- ★ Source Control

The Framework for Effective School IEQ Management:

Six Technical Solutions

Quality HVAC

- · Inspect HVAC systems regularly
- Establish a maintenance plan
- Change filters regularly and ensure condensate pans are draining
- Provide outdoor air ventilation according to ASHRAE Standard or local code
- Clean air supply diffusers, return registers, and outside air intakes
- Keep unit ventilators clear of books, papers, and other items

Control of Moisture/Mold

- Conduct routine moisture inspections
- Establish mold prevention and remediation plan
- Maintain indoor humidity levels between 30% and 60%
- · Address moisture problems promptly
- Dry wet areas within 24-48 hours

Strong Integrated Pest Management (IPM)

- Inspect and monitor for pests
- Establish an IPM plan
- Use spot treatments and baits
- Communicate with occupants prior to pesticide use
- Mark indoor and outdoor areas treated with pesticides





Effective Cleaning & Maintenance

- Conduct routine inspections of school environment
- Develop a preventative maintenance plan
- Train cleaning/maintenance staff on protocols
- Ensure material safety data sheets (MSDS) are available to staff
- Clean and remove dust with damp cloth
- · Vacuum using high-efficiency filters

Smart Materials Selection

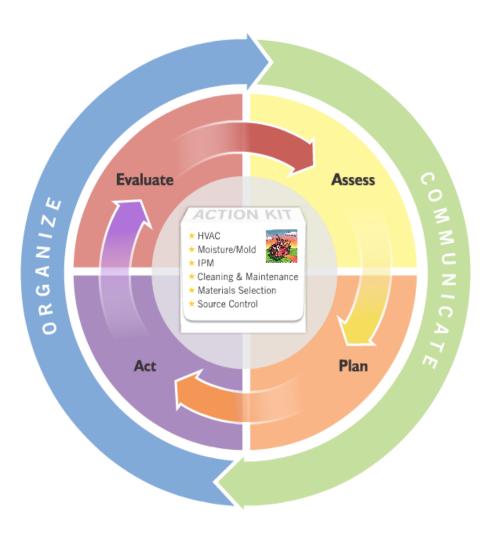
- Maintain products inventory
- Develop low-emitting products purchasing and use policies
- Use only formaldehyde-free materials
- Use only low-toxicity and low-emitting paint
- Select products based on product rating systems
- Use least toxic cleaners possible (only those approved by the district)

Aggressive Source Control

- Conduct regular building walkthrough inspections
- Test for radon; mitigate if necessary
- Implement a hazardous materials plan (use, label, storage and disposal)
- Establish a school chemical management and inventory plan
- Implement Smoke-Free policies
- · Establish an anti-idling school bus policy
- Use walk-off mats at building entrances
- Conduct pollutant-releasing activities when school is unoccupied

Indoor Air Quality (IAQ)

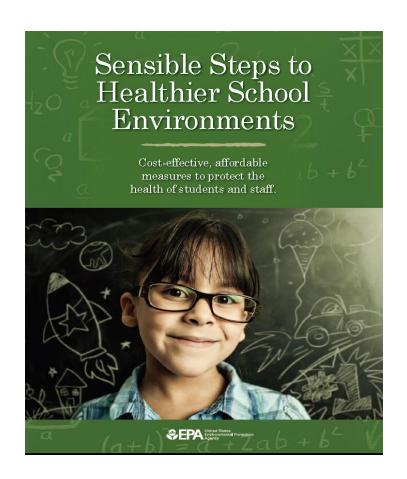
Cycle of Implementation











Sensible Steps to Healthier Schools Quick Assessment

Please use this voluntary assessment foldout to help you reduce and prevent exposures to common environmental health hazards in your school. Each topic area covered below has low or no cost stages which can be taken to improve your students' environmental health. This tool also highlights waste reduction and energy efficiency strategies to help conserve valuable, financial resources.

Asbestos

Does the school have a readily available asbestos management plan? O Yes O No O N/A

Have all building operations and maintenance staffreviewed the asbests management plan and understand how to minimize potential disublance to ADM?

Offes ONO ON/A

Asthma and Asthma Triggers

Are there policies that discourage the use of birds or furry animals such as mice, guinea pigs, and rabbits as pets in the school's classrooms?

OYes ONO ON/A

is the school's cleaning staff encouraged to use environmentally friendly cleaning products and "wet" dusting fachiniques whenever possible?

OYes ONO ON/A

Are classrooms free of dutter? Are they dusted regularly? Are stuffed animals and pillows washed frequently?

O Yes O No O N/A

Buses and Vehicle Idling

Have anti-iding policies been developed and implemented for buses that serve the school? \bigcirc Yes \bigcirc No \bigcirc N/A

Have anti-iding zones been established for all vehicles at the schools (school buses, delivery trucks and parent's carsi? \bigcirc Yes \bigcirc No \bigcirc N/A

Are all passenger pickup,/drop off areas located away from school's air intake supply, classroom windows and exit doors? O Yes O No O N/A

Carbon Monoxide (CO)

Does the school's maintenance staff inspect and document the condition and findings for all gas burning appliances, furneces and water heaters yearly to ensure they are properly operating?

Office O No O N/A

Have CO detectors been installed in the school near appliances that burn natural gas, oil, wood or gas? O Yes O No O N/A

Chemical Management

Does the school conduct a yearly inventory of all chemicals present?

O Yes O No O N/A

Does the school have a policy that prohibits any unauthorized toxic or hazardous chemicals from being brought into the school? O Yes O No O N/A

Are all chemicals properly labeled, stored in original containers, dated as to when they entered the school, and have accompanying MSDS information on site? $\bigcirc \text{ Yes} \bigcirc \text{ No} \bigcirc \text{ Ni/A}$

Are all toxic or hazardous chemicals stored in appropriate containers, separated by hazard category, in a ventilated, tire resistant, and locked area or catinet?

Visc. O Nr. O N/A

Does the school conduct clean outs of all chemicals that are unnecessary, outdated and posing a health risk on a regular basis?

O Yes O No O N/A

Does the school ensure proper training of staffinvolved with chemical nenagement? Are students properly trained before handling toxic or hazardous chemicals?

O'Ves O'No O'NA

Drinking Water

If your school receives its drinking water from your own source, you are required to comply with a series of regulations under the Safe Drinking Water Act, is the water tested according to regulations and the results documented?

O Yes O NO O NIA

Are water faucets, fountain screens and aera tors regularly cleaned and sanitized?

OYes ONO ON/A

Does the school have policies and procedures in place to prevent the disposal of heardous substances down the toilets and/or dumping into storm drains?

O Yes O No O N/A

PEPA United States
Environmental Protection





Resources

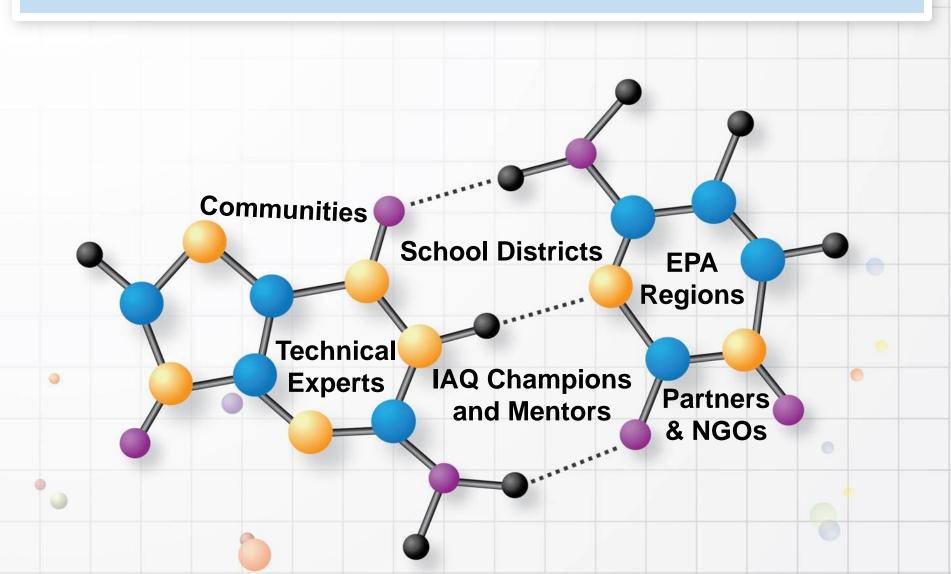


- All EPA Schools Programs www.epa.gov/schools
- Indoor Air Quality Tools for Schools www.epa.gov/iaq/schools/
- National Map of Award Winners www.epa.gov/iaq/schools/nationalmap.html



National Network — Connections to Spur Action

Strengthening the National Network through Regional Pacing Events







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