



Finding Solutions: The Virtual Walk-through

Thursday, March 25, 2010

1:00 – 2:30 PM EST



Indoor Air Quality (IAQ)

Introductions

- Michele Curreri, Indoor Environments Division, U.S. EPA
- David Blake, Environmental Specialist/ Indoor Air/ Asbestos, Northwest Clear Air Agency
- Richard Prill, Building Science and Indoor Air Quality Specialist, Washington State University

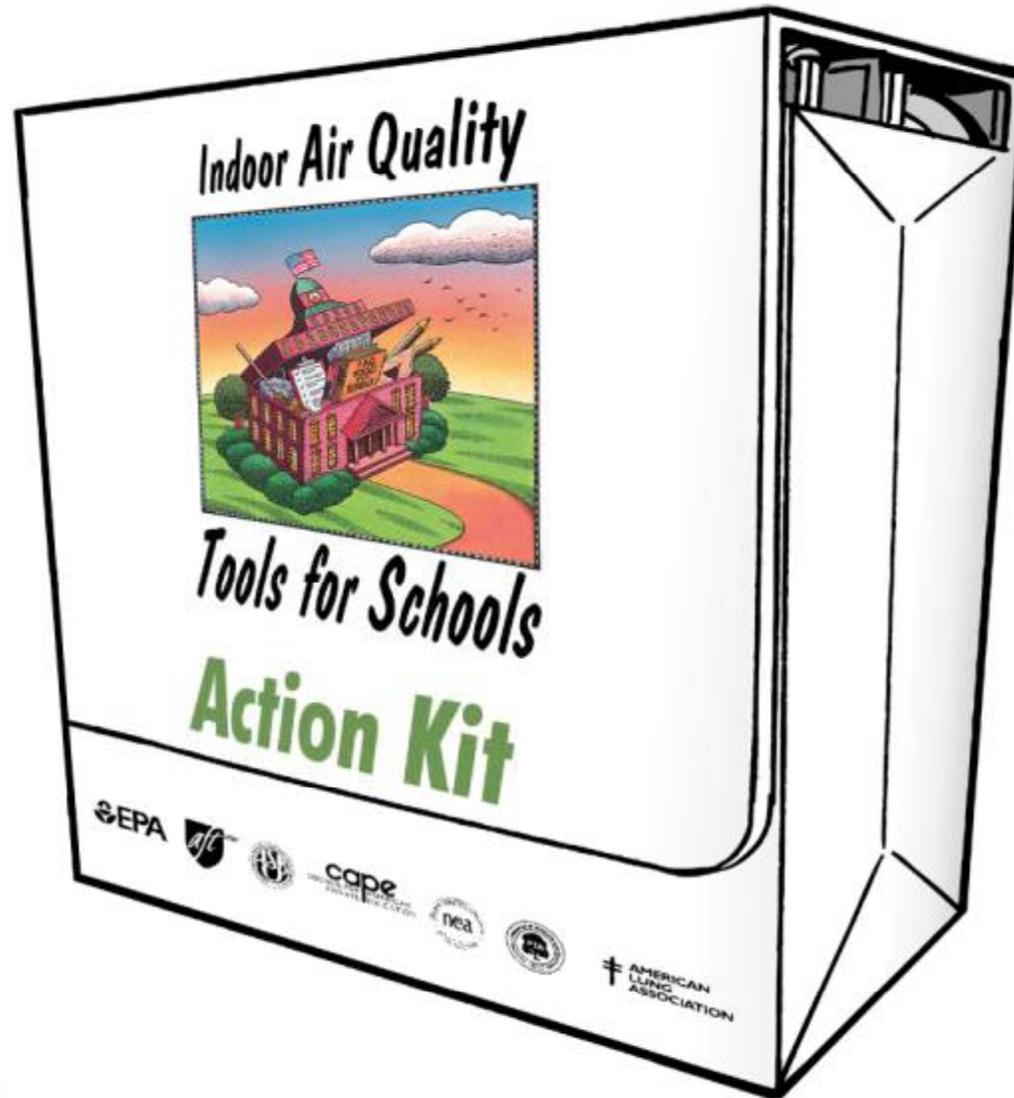


Welcome

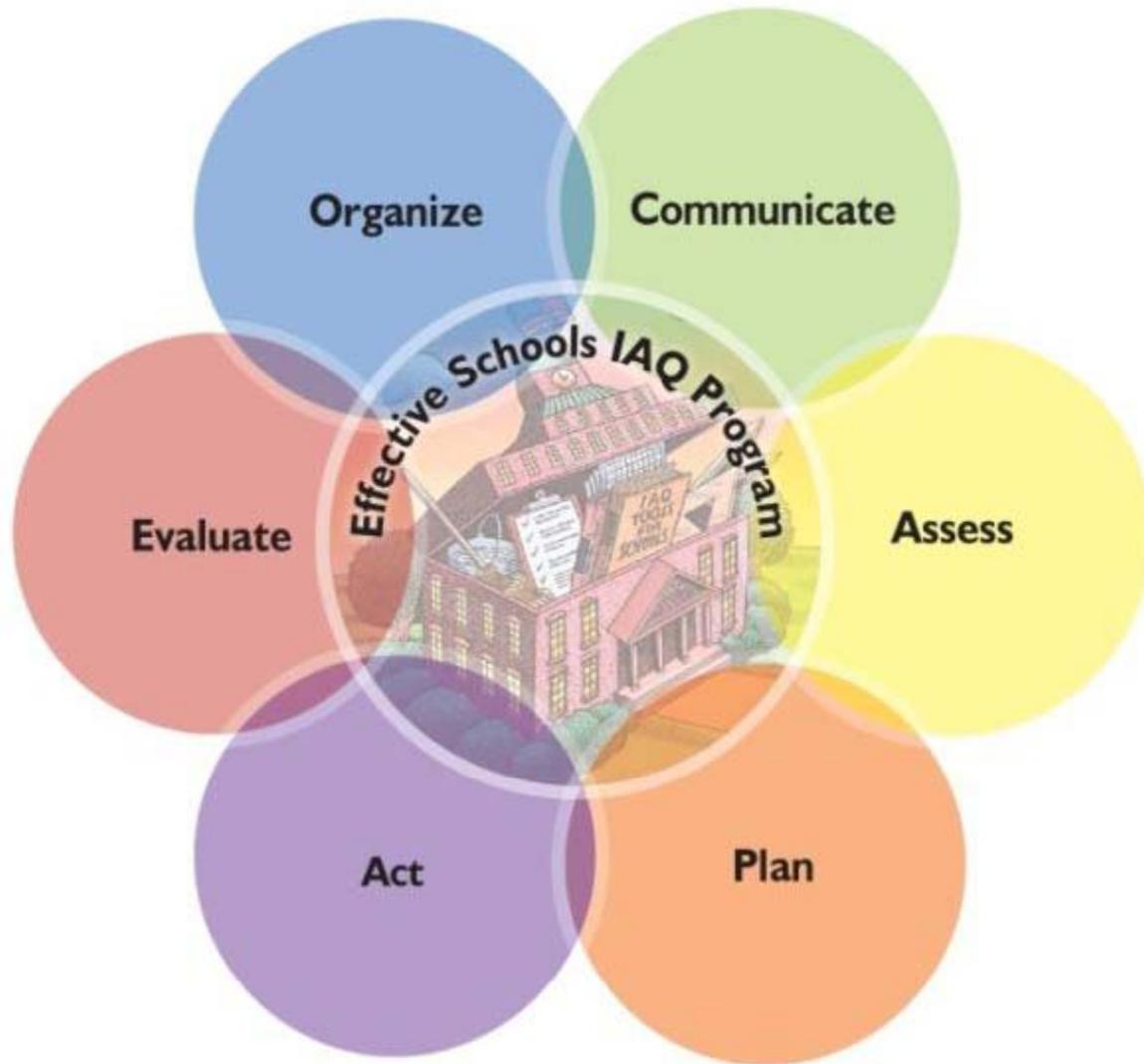
- Discover tools and tricks to empower you to perform a close evaluation of the state of your school district's facilities overall IAQ.
- Learn how to use the *IAQ Tools for Schools* Action Kit as a basis for conducting a walk-through investigation.
- Get answers to your burning IAQ walk-through questions.



IAQ Tools for Schools Program



The Framework for Effective School IAQ Management



The Framework for Effective School IAQ Management: Key Drivers



The Framework for Effective School IAQ Management: **Six Technical Solutions**



The Framework for Effective School IAQ 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

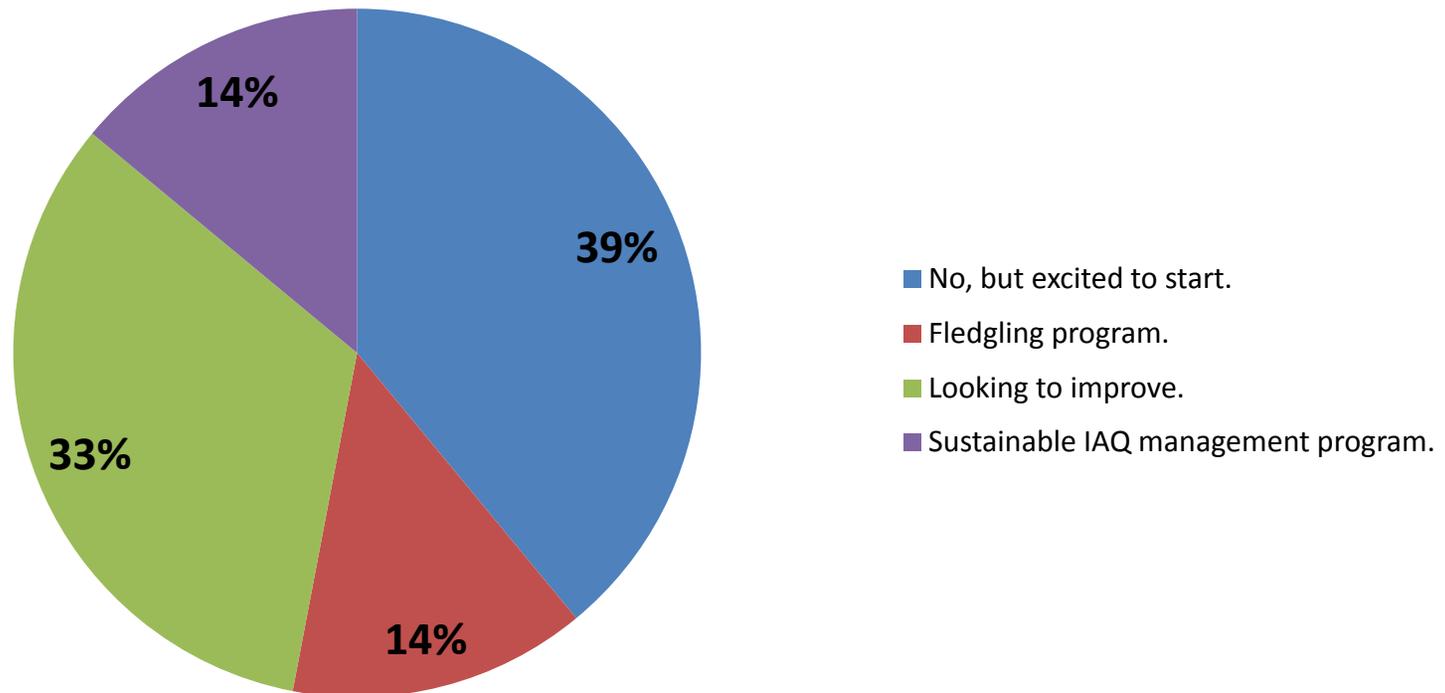
- Conduct regular building walkthrough inspections
- Test for radon; mitigate if necessary
- Implement a hazardous materials plan (use, label, storage and disposal)
- Implement Smoke-Free policies
- Establish an anti-idling school bus policy
- Use walk-off mats at building entrances
- Conduct pollutant-releasing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

The Framework for Effective School IAQ Management



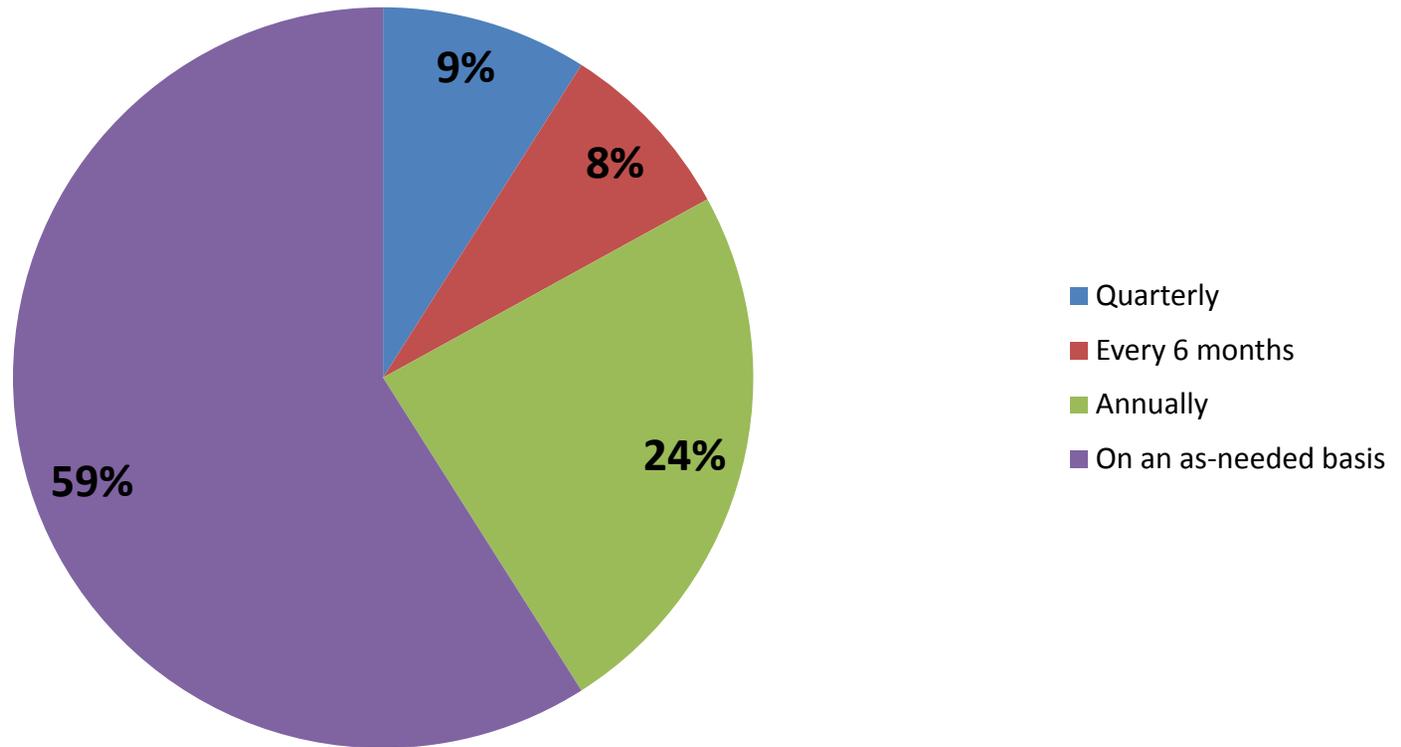
Polling Question

Do you currently have an IAQ management program in place?



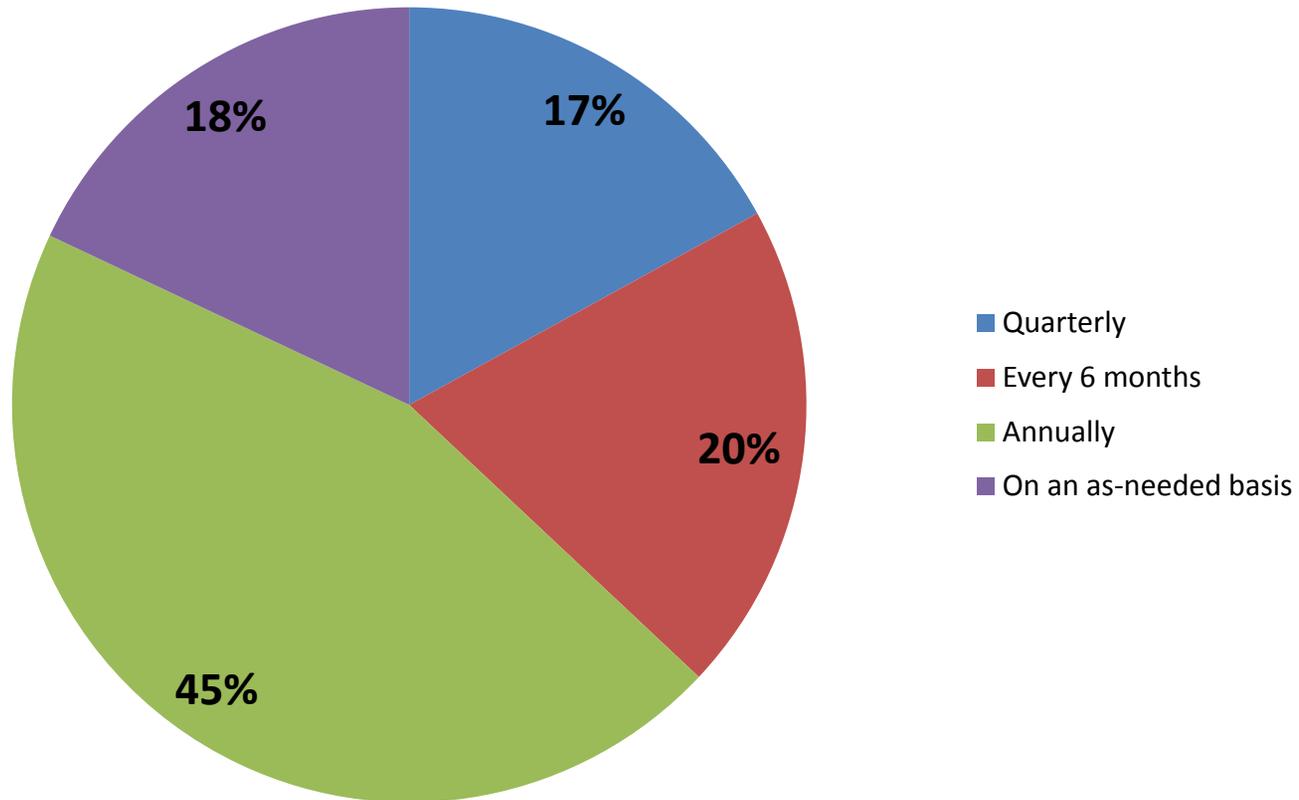
Polling Question

How often do you currently conduct facility walk-throughs in your school district?



Polling Question

After hearing this presentation, how frequently do you plan to conduct facility walk-throughs?





IAQ Tools for Schools Connector

- **Mentorship**
- **Webinars**
- **E-mail Updates**
- **Listserv**



Resources

- Webinar Archives:

<http://www.epa.gov/iaq/schools/webconferences.html>

- Regional Resources Webinar Archives –

http://www.epa.gov/iaq/schools/pdfs/webconferences/may_14_2009.pdf

- Regional Resources:

<http://www.epa.gov/iaq/wherelive.html>



Resources

- *IAQ Tools for Schools* Updates and E-mails:
 - Send an e-mail to: IAQTfSConnector@cadmusgroup.com
 - View archives at:
<http://www.epa.gov/iaq/schools/bulletins.html>
- Schools IAQ Connector Listserv:
 - Send a blank e-mail message to schools_iaq_connector_subscribe@lists.epa.gov or
 - Request subscription online on the Listserv Web interface https://lists.epa.gov/read/all_forums/subscribe?name=schools_iaq_connector. Then, check your e-mail inbox for your confirmation and membership details.



Resources

- *IAQ Tools for Schools* Program
www.epa.gov/iaq/schools
- *IAQ Tools for Schools* Envisioning Excellence
www.epa.gov/iaq/schools/excellence.html
- *IAQ Tools for Schools* Awards Program
<http://www.epa.gov/iaq/schools/awards.html>
- National Map of Award Winners
www.epa.gov/iaq/schools/nationalmap.html

