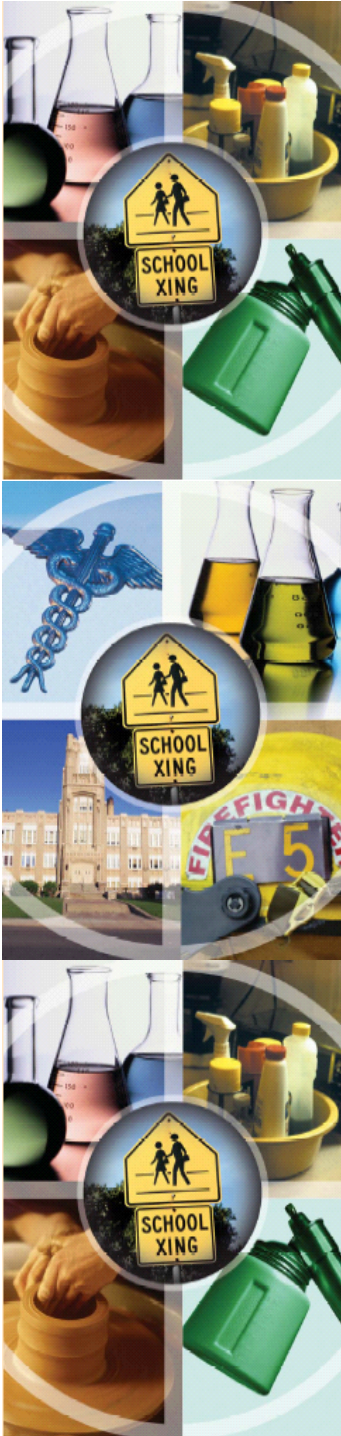


ACS/EPA Partnership to Improve Chemical Management in K-12 Schools: A Federal Perspective

**ACS Fall 2009 National Meeting
August 18, 2009**

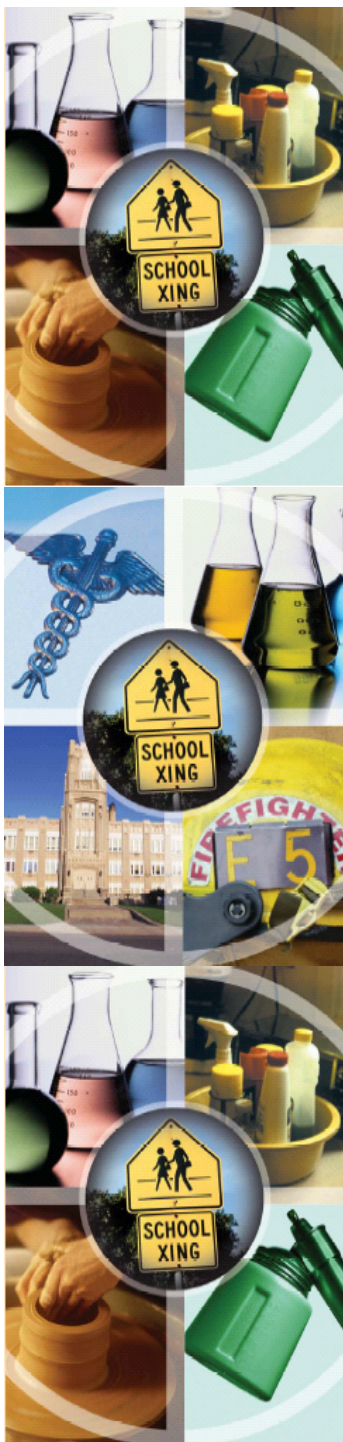
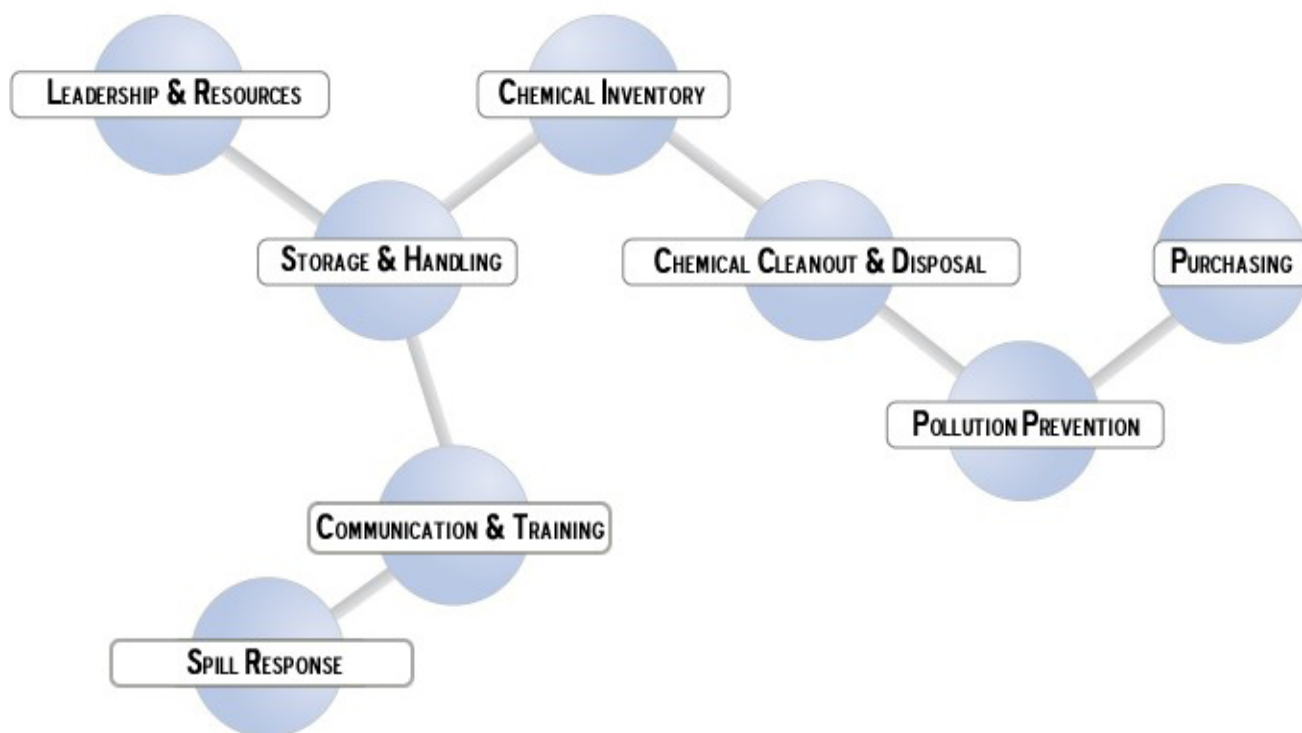
The Problem

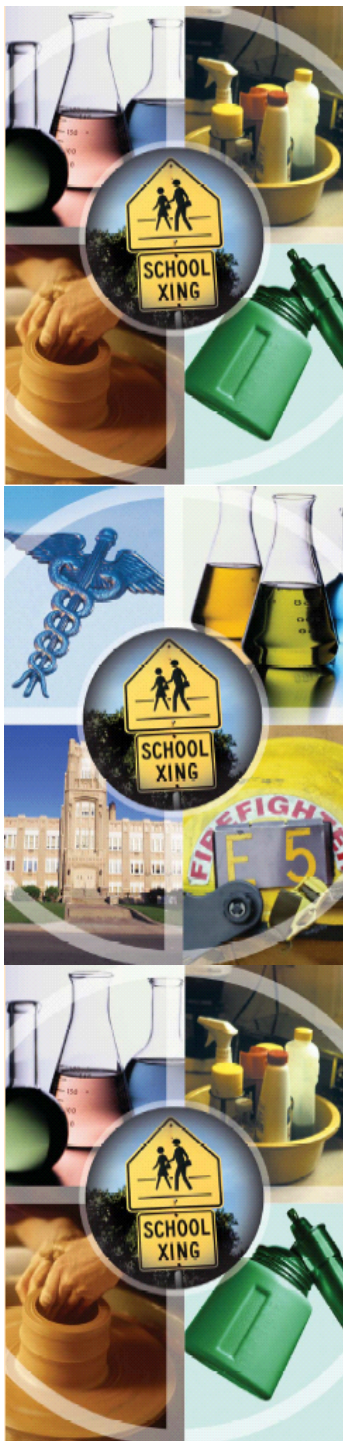
- We estimate a minimum of 33,000 middle and high schools across the country can benefit from a chemical management program, positively affecting 21 million middle and high school students nationwide.
- Chemical emergencies in schools occur across the nation. Children and staff are at risk.
- Cleaning up chemical spills is more costly than removing chemicals from schools and implementing preventive measures.
 - Cleaning up after a spill can cost more than a \$1 million and result in lost school days.
 - Removals costs vary, averaging between \$2,000 and \$5,000 per school, unless there are radioactive or explosive chemicals, which increases the removal costs substantially.



Key Elements of Responsible Chemical Management

Responsible chemical management involves taking steps to ensure chemicals in schools do not endanger students and school personnel.





The Schools Chemical Cleanout Campaign (SC3)

- **Mission:**

- To reduce chemical exposures and improve chemical management in K-12 schools.

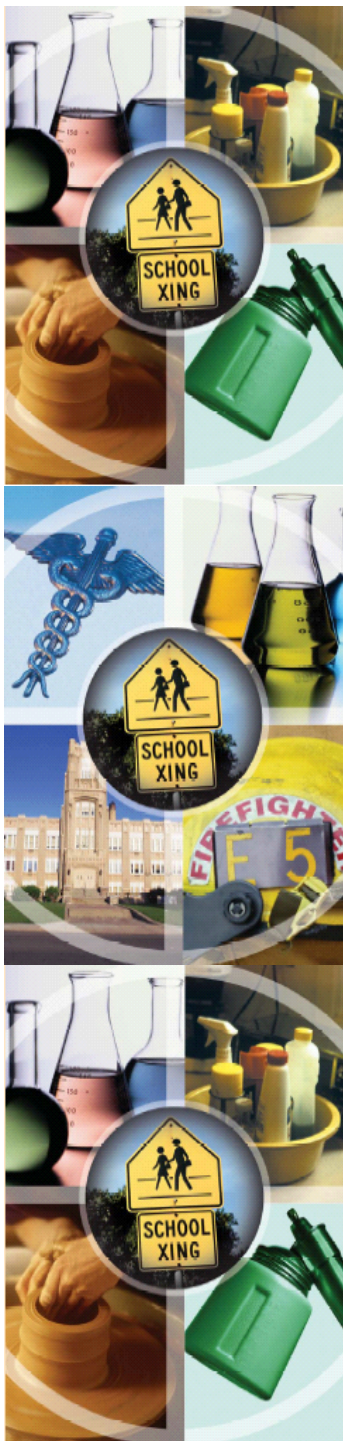
- **Goals:**

- Remove outdated, unknown, and unneeded chemicals from K-12 schools
- Raise awareness of chemical issues in schools and promote sustainable solutions
- Prevent future mismanagement through training, curriculum change, and long-term management solutions

The Importance of Partners

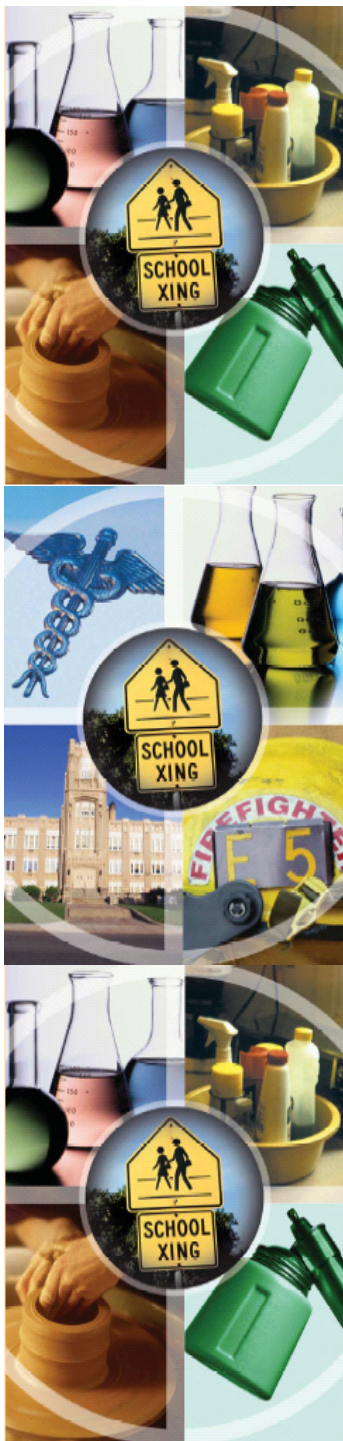
- SC3 collaborates with partners from government, academia, and industry to build a network capable of reaching schools with chemical management solutions across the US.
- Partners can support school SC3 projects in a number of ways:
 - Provide technical assistance (e.g., chemical inventories, recommendations for purchasing/storage/handling/disposal)
 - Provide training on chemical management and safety to teachers and school personnel
 - Assist schools in developing their own chemical management plan
- Organizations/businesses who formally partner with the federal program receive recognition for their commitment to responsible chemical management.





SC3 Partners at Work: Cheyenne River Sioux Tribe Case Study

- SC3 Partner Pollution Control Industries (PCI) donated their services to assist 5 Indian Country schools remove and properly dispose of chemicals.
- Collaborated with EPA Region 8, ORCR, and Cheyenne River Sioux Tribe Environmental Protection Department.
- A total of 1,515 pounds of chemicals were removed from the five schools.
- Chemicals included: neurotoxins, carcinogens, corrosives, caustic chemicals, flammable/ignitable chemicals, and shock sensitive chemicals.

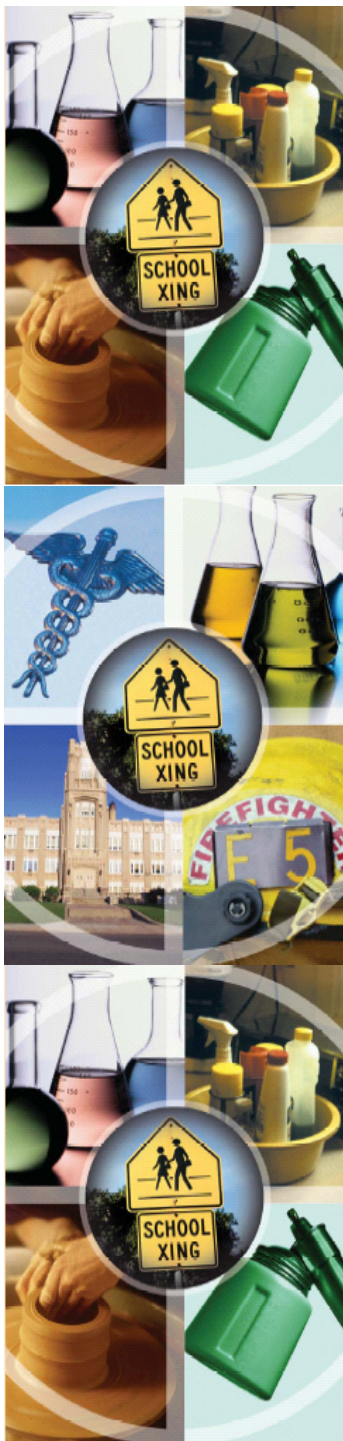


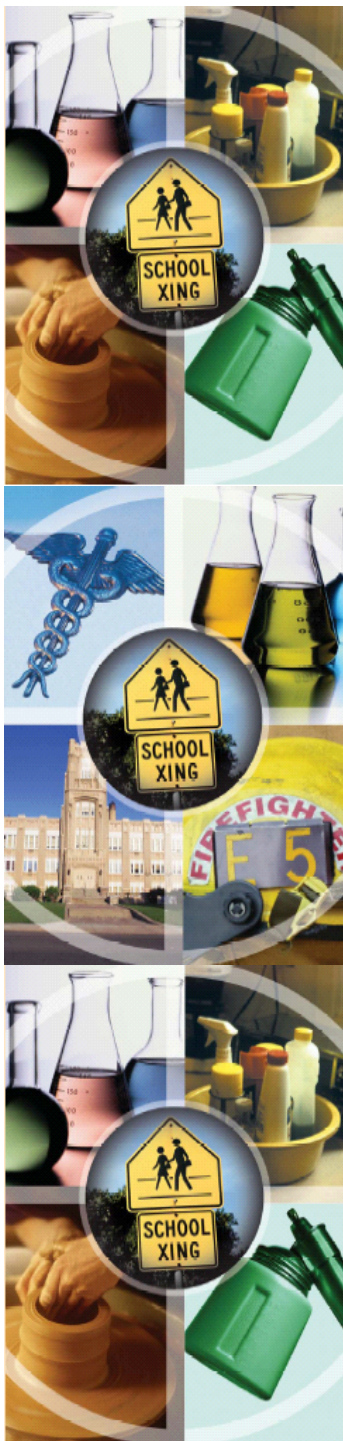
Upcoming SC3 Partner Event

- August 19: PCI and Ash Grove Cement will be donating removal and disposal services to Grandview HS in Missouri for a chemical cleanout.
- This project arose from the United We Serve initiative being promoted by President Obama as part of his Summer of Service.
- In addition to the removal and disposal of chemicals, SC3 is working to identify partners who can provide group training to teachers, superintendents, and school personnel on responsible chemical management.

ACS Partnership with SC3

- ACS is a SC3 charter partner.
- ACS and SC3 share the same goal: to promote safe science in the classroom.
- ACS is promoting responsible chemical management and SC3's message to its members to encourage wider participation.
- Immediate opportunity:
 - 1-4pm focus group in Monroe Room
 - Gather information about building partnerships
 - Opportunity to sign up to be on SC3 Partners list





SC3 Video: Safe Chemical Management in Your School

For More Information

www.epa.gov/SC3

Cyndy Merse

US EPA

Office of Resource Conservation and Recovery

(703) 308-0020

merse.cynthia@epa.gov

