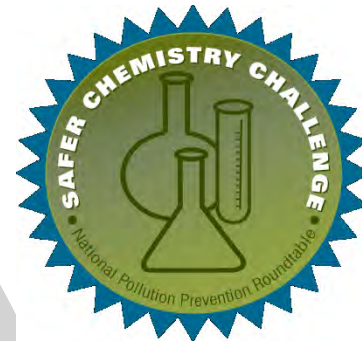




2025 SAFER CHEMISTRY CHALLENGE PROGRAM



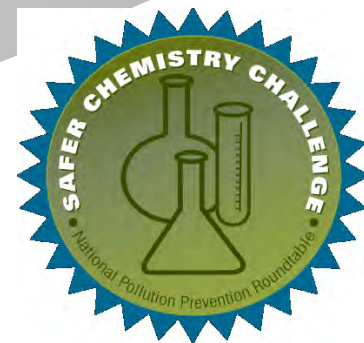
*A program of the National
Pollution Prevention Roundtable*



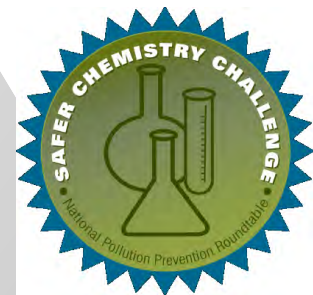
Topics Covered



- Program components of the Safer Chemistry Challenge Program
- Benefits of reducing chemical hazards
- Steps to participate in the SCCP
- Member profiles
 - Tennant Company
 - Washing Systems
 - Gougeon Brothers
 - Naturepedic
 - NorChem Corp



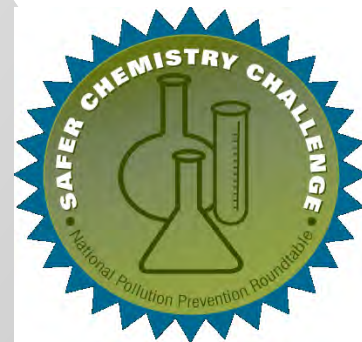
Safer Chemistry Challenge Program



The Safer Chemistry Challenge Program (SCCP) is designed to motivate, challenge, assist, and recognize facilities that reduce the use of toxic chemicals of concern to human health and the environment

- Reduction goals against baseline year of 2010
 - 10% by 2015
 - 20% by 2020
 - 25% by 2025
- Focus on hazardous chemicals
- Source reduction emphasis
 - Safer alternatives
 - Product or process redesign
- Voluntary and collaborative
- No fees if in Great Lakes basin

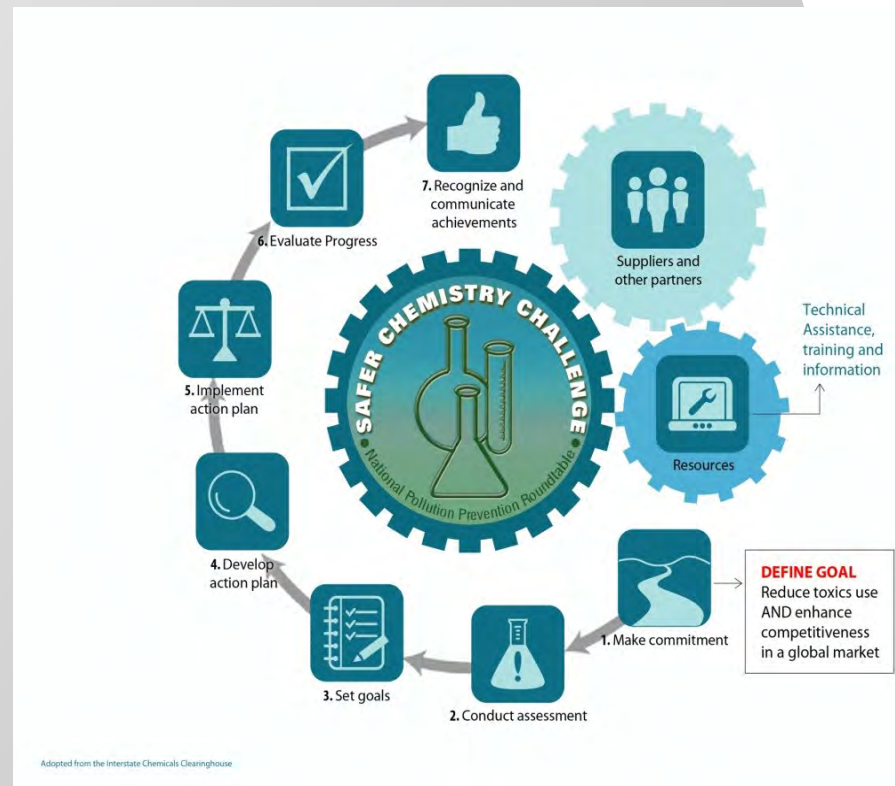
Benefits of Reducing Chemical Use



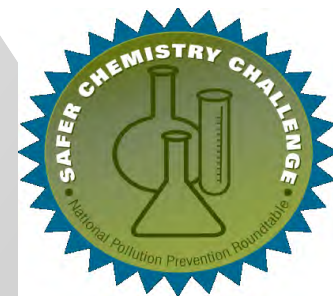
- Prevent exposure to chemical hazards
- Create market opportunities through innovation
- Anticipate changing regulatory landscape
- Lower costs
- Enhance customer loyalty
- Address public demand for chemical transparency

Steps to Participate in the SCCP

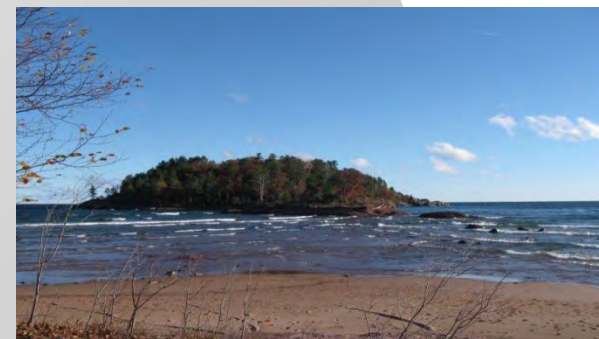
- Complete application and sign commitment form
- Partner with state technical assistance program to identify safer alternatives
- Develop and implement action plan
- Report results to NPPR
- Get recognition and communicate achievements



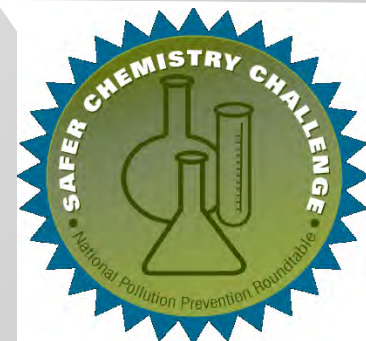
SCCP Geographic Focus : Great Lakes Basin



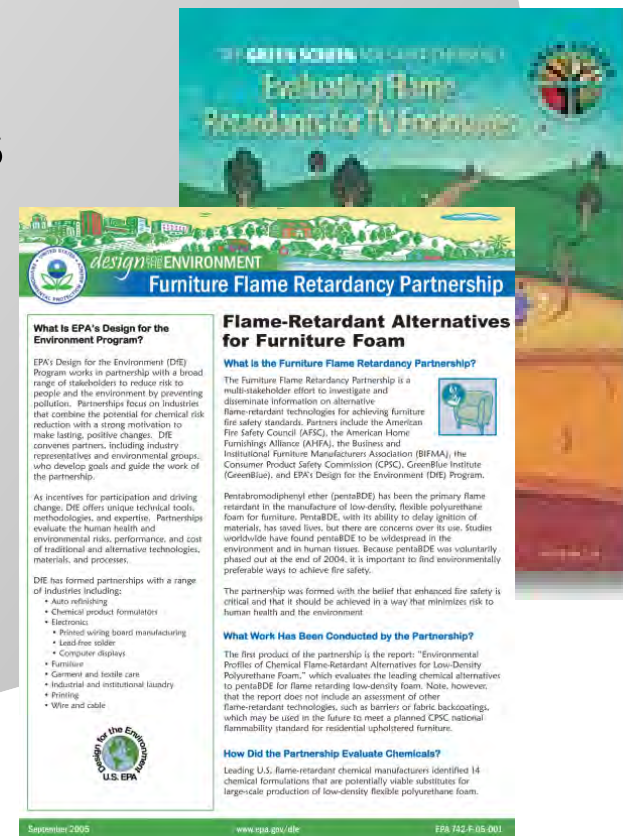
- Support from the US EPA's Great Lakes Restoration Initiative over three years
 - Goal: Advance the adoption of safer chemistries in the manufacture and use of products in the Great Lakes basin
- Activities:
 - Recruit 100 SCCP industry members
 - Deliver six GreenScreen training workshops
 - Carry out two green chemistry conferences
 - Webinar series (spring and fall)



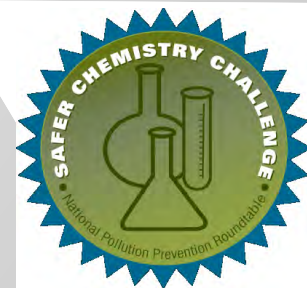
SCCP Tools and Resources



- Website resources
 - Sample action plan
 - Success story template
 - Case studies
- Webinars, training, and conferences
 - GreenScreen
 - EPA Design for the Environment
- Technical assistance network
 - SCCP Alliance members in Great Lakes states: IL, IN, MN, MI, OH, NY, WI
- Recognition – national and state



SCCP Collaborative: State, Industry and Non-Profit Partners



Industry

Trade and industry associations

Stewardship Action Council (SAC)

Green Chemistry and Commerce Council (GC3)

BizNGO

Council of Great Lakes Industries

State/Regional

Great Lakes Regional P2 Roundtable

P2Rx Centers

Clean Production Action

Great Lakes Alliance states

Great Lakes Green Chemistry Network

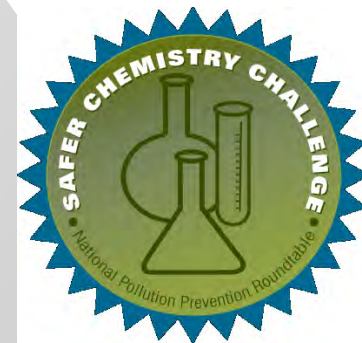


Pollution
Prevention

P2Rx

Resource
Exchange

Member Profile: Tennant Co (MN)



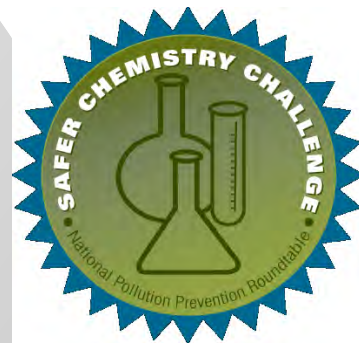
- Tennant Co. manufactures floor maintenance and outdoor cleaning equipment at their Minneapolis headquarters, employing 950 people
- Their vision is to become a global leader in chemical-free cleaners that will set the standard for sustainable cleaning
- Focused on reducing/eliminating two chemicals in floor and wall coatings
 - Toluene di-isocyanate (TDI)
 - Xylene

Member Profile: Washing Systems (OH)



- Washing Systems is a formulator of innovative cleaning products for the commercial laundry industry
- Work with their customers for more efficient cleaning and reduce chemicals of concern including phosphates, NPE, butyl cellosolve, EDTA, and petroleum based solvents
- Worked with one customer, Cintas, and Washington State -- eliminated 25,000 gal of detergent that contained nonlyphenol ethoxylate (NPE) in the laundry process
- Made significant progress on their action plan goals in 2012

Member Profile: Gougeon Bros (MI)



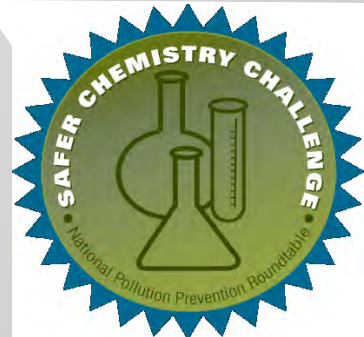
- Gougeon Brothers manufactures boats and formulates and sells epoxy products used in their products and for other boatbuilders
- Pursuing product design that helps customers reduce or eliminate waste, improve safety, and minimize cost of compliance
- Current project to reduce hexavalent chromium in a metal surface preparation product (aids adhesion of the epoxy to a substrate), working with their supply chain to research alternatives

Member Profile: NorChem Corporation (CA)



- NorChem corporation manufactures wash chemistry with a focus on creating environmentally friendly products for the past 30 years for a variety of industry sectors including commercial laundries, hospitality, and healthcare, boiler/cooling tower treatment, and water/wastewater treatment
- Specific pollutants eliminated include NPE, APE, phosphates, and chelating agents
- NorChem's innovative solutions help their customers meet environmental regulations, reduce operating costs, increase production and efficiency and help improve customer profitability

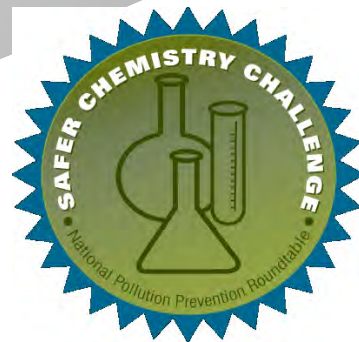
Member Profile: Naturepedic and Lullaby Earth (OH)



- Naturepedic and Lullaby Earth manufacture mattresses and related accessories without toxic chemicals
- Specifically, the company designs and manufactures its products without the use of polyurethane foam, phthalates, vinyl, brominated or chlorinated fire retardants, perfluorinated compounds, pesticides or antimicrobials, adhesives, synthetic latex rubber
- As new product and market opportunities arise, Naturepedic will continue to design and manufacture products without chemicals of concern
- Uses precautionary principle to avoid toxic chemicals in favor of materials such as organic cotton, wool, and, and latex

SCCP Technical Advisory Committee

- Roles: Assist in identifying the barriers faced by industry and potential solutions as they transition to safer chemistries
- Members:
 - Barbara Hanley, Hewlett Packard
 - Gabe Wing, Herman Miller
 - Roger McFadden, Staples
 - Teresa McGrath, NSF International
 - Paul Richard, Warner-Babcock Institute
 - Al Innes, MN Pollution Control Agency

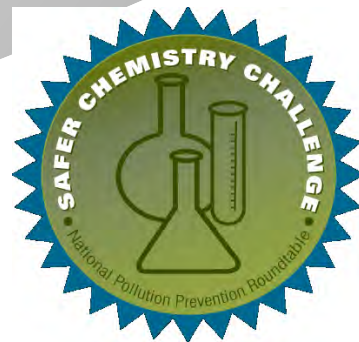


Upcoming Events



- March 2014: GreenScreen training workshop, Buffalo, NY
- April 1-3, 2014, Great Lakes Green Chemistry Conference and GreenScreen training, Cleveland, OH

www.p2.org/category/challenge/



Contact Information



- National Pollution Prevention Roundtable
- www.p2.org
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