

## Regions 5, 7 and 8 Triple Pollution Prevention (P2) Roundtable

May 2 – 4, 2017

### Day One Agenda

#### P2 101 Training

University of Minnesota  
University Office Plaza  
2221 University Avenue Se, Room 114/116  
Minneapolis, MN, 55414

Conference organizers recommend taking public transit (METRO Green Line) from the hotel to P2 101 training. We will have a bus pick us up at the training site, transport us to Ecolab, and return us to the hotel after the tour. We will be placing an order for boxed lunches for those who are doing P2 101 training and the Ecolab tour. Cost of lunch IS NOT included in the registration fee. PLEASE BRING CASH TO PAY FOR YOUR LUNCH ON THE DAY OF TRAINING.

Directions and parking/transit options: <http://campusmaps.umn.edu/university-office-plaza>. University Office Plaza is across the street from the Stadium Village station on the METRO Green Line (<http://www.pts.umn.edu/rail/green>). Daily transit passes are available for \$4.50/day. See <https://www.metrotransit.org/fares> for more information.

**Day One: Tuesday, May 2** – University of Minnesota, University Office Plaza, 2221 University Avenue Se, Room 114/116

Time	Topic	Presenter
8:00am	<b>Registration: Pollution Prevention 101 Training</b> <b>Training objective:</b> To introduce the P2 paradigm to those who are new to the field.	
8:30am	<b>The P2 Paradigm</b> <ul style="list-style-type: none"> <li>• Difference between P2 and recycling</li> <li>• Health and environmental benefits of P2</li> </ul>	Jean Waters, Pollution Prevention Regional Information Center (P2RIC)
9:00am	<b>Finding P2 Information</b> <ul style="list-style-type: none"> <li>• Identify primary sources of information and key elements when searching for P2 technical information</li> </ul>	Laura Barnes, Great Lakes Regional Pollution Prevention Roundtable (GLRPPR)
9:45am	<b>Break</b>	
10:00am	<b>Conducting a P2 Site Visit</b> <ul style="list-style-type: none"> <li>• Basic principles of P2: change the design, change the process, or change the materials</li> </ul>	Jean Waters, P2RIC  Laura Babcock, University of Minnesota Technical Assistance Program (MnTAP)
11:00am	<b>Hands-on Training: Green Square Manufacturing Exercise</b> <ul style="list-style-type: none"> <li>• Learn to use inductive reasoning to think critically about processes and waste generation</li> </ul>	Jean Waters, P2RIC
12:00pm	<b>END OF TRAINING (Boxed lunches available for purchase)</b>	
12:30pm	<b>Transportation Meet-up and Departure to Ecolab Presentation and Tour</b> <b>Meet-up Location:</b> University of Minnesota, University Office Plaza, 2221 University Avenue Se Ecolab Address: Ecolab Schuman Campus, 655 Lone Oak Drive, Eagan, MN 55121	
1:30pm	<b>Ecolab Presentation and Tour</b> <ul style="list-style-type: none"> <li>• Recognize unit processes (blending, chemical reaction, cleaning, machining, packaging)</li> <li>• Identify: <ul style="list-style-type: none"> <li>○ sources of contamination that lead to waste</li> <li>○ changes in processes that conserve resources</li> <li>○ changes in materials that are less hazardous</li> <li>○ changes in design that conserve resources</li> </ul> </li> </ul>	Ecolab Schuman Campus 655 Lone Oak Drive Eagan, MN 55121
3:00pm	<b>Transportation Meet-up and Return to Nicollet Mall Hotels</b>	
4:00pm	<b>END OF DAY</b>	

# Regions 5, 7 and 8 Triple Pollution Prevention (P2) Roundtable

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## Day Two Agenda

Minneapolis Central Library

300 Nicollet Mall, Minneapolis, MN 55401

Map, directions and transit information: <http://www.hclib.org/about/locations/minneapolis-central>

### Learning objectives for the day:

- Identify key components of success and barriers in current program/outreach
- Discuss opportunities to replicate activities in other areas
- Develop a list of actions that can be taken to expand/replicate programs discussed using current resources
- Collectively share with the larger group program replication opportunities and actions that can be taken with existing resources.

### Day Two: Wednesday, May 3 – Minneapolis Central Library, Doty Board Room

Time	Topic	Speakers
8:00am	<b>Networking and Registration</b>	
8:15am	<b>Introductions &amp; Remarks from EPA</b> <i>Dan Helfgott, Chief, Prevention Strategies &amp; Implementation Branch, Office of Pollution Prevention and Toxics, U.S. Environmental Protection Agency will provide an overview of strategic considerations and opportunities for the P2 program including the new TSCA reform.</i>	David A. Carter, Kansas State University Pollution Prevention Institute (Facilitator)
9:00 am	<b>EPA's National Emphasis Areas (NEAs): Featured project presentations</b> <i>15 minute presentations with 5 minutes of Q&amp;A</i> <ul style="list-style-type: none"> <li>• State and Community Hazardous Materials Reduction</li> <li>• Greenhouse Gas Reductions</li> <li>• Sustainable Food Manufacturing</li> </ul>	Kelly Weger, Purdue University Manufacturing Extension Partnership  Bruce Dvorak, University of Nebraska-Lincoln  Derek Boer, Colorado Department of Public Health and Environment
10:00am	<b>Break</b>	
10:15am	<b>NEA Essential Elements Roundtable Discussion</b> <i>In a round robin, each program will take turns sharing an essential element of their successes (or lessons learned) as part of their work on NEA-related projects.</i>	David A. Carter, Kansas State University Pollution Prevention Institute (Facilitator)
12:30pm	<b>Lunch</b> (provided)	
1:30pm	<b>Small group discussion</b> <i>World Café style discussions: small groups that change over multiple, 20-minute rounds. We'll explore three questions to help us collectively and creatively confront our most difficult challenges.</i>	David A. Carter, Kansas State University Pollution Prevention Institute (Facilitator)
3:30pm	<b>Share next steps</b>	David A. Carter, Kansas State University Pollution Prevention Institute (Facilitator)
4:00pm	<b>ADJOURN</b>	
5:30pm	<b>OPTIONAL: Minnesota Green Chemistry Forum Networking Event – See <a href="http://mgcf2017valspar.bpt.me/">http://mgcf2017valspar.bpt.me/</a> for more information and to register.</b>	

# Regions 5, 7 and 8 Triple Pollution Prevention (P2) Roundtable

May 2 – 4, 2017

## Day Three Agenda

Minneapolis Central Library

300 Nicollet Mall, Minneapolis, MN 55401

Map, directions and transit information: <http://www.hclib.org/about/locations/minneapolis-central>

### Day Three: Thursday, May 4 – Minneapolis Central Library, Doty Board Room

Time	Topic	Speakers
8:00am	<b>Networking and Registration</b>	
8:30am	<b>Engagement Workshop</b> <b>Learning objectives</b> <ul style="list-style-type: none"> <li>• Understand Community Based Social Marketing (CSBM), including identifying barriers and catering projects to target market</li> <li>• Learn basic strategies for engaging clients</li> <li>• Utilize the power of colleagues to promote success</li> <li>• Use data to reinforce ways to talk to people</li> <li>• Learn about EPA's new P2 engagement model</li> <li>• Recognize how existing engagement efforts can be replicated by other organizations</li> </ul>	Rick Yoder, P2RIC (Facilitator)  Jeff Kohn, U.S. EPA  Shannon Judd, Fond du Lac Band of Lake Superior Chippewa  Cassie Carroll, Green Business Engagement National Network
10:00am	<b>Break</b>	
10:15am	<b>Materials Substitution Workshop</b> <b>Learning objectives</b> <ul style="list-style-type: none"> <li>• Identify toxics used by clients through review of MSDS and regulatory reports</li> <li>• Become familiar with tools to identify non-toxic or less-toxic alternatives</li> <li>• Identify potential cross-media impacts of changing raw materials</li> </ul>	Laura Babcock, MnTAP  Karl DeWahl, MnTAP  Michelle Gage, MnTAP  Patrick Hanlon, City of Minneapolis
12:00pm	<b>Lunch (provided)</b>	
1:00pm	<b>Hands-on P2 Tools workshop (in Robins, Kaplan, Miller and Ciresi Community Meeting Room)</b> <i>After a very brief overview of tools, participants will explore a variety of online tools and calculators through a hands-on exercise.</i> <b>Learning objectives</b> <ul style="list-style-type: none"> <li>• Become familiar with online tools and resources available for chemical substitution, calculation of P2 measures, and identification of technical assistance targets.</li> <li>• Gain hands-on experience with finding information and doing calculations using online P2 tools.</li> </ul>	Laura Barnes, GLRPPR (Facilitator)  Jeff Kohn, U.S. EPA
3:30 pm	<b>ADJOURN</b>	



The Minnesota Green Chemistry Forum Invites You To:

# The Journey to Non-BPA Technology for the Food Packaging Industry

*A Happy Hour and Networking Event*

Wednesday May 3<sup>RD</sup>  
5:30 - 8:00 pm

## REGISTRATION

<http://mgcf2017valspar.bpt.me/>

\$10

**DRINKS &  
APPETIZERS  
INCLUDED**

Bisphenol A (BPA) is a widely-used compound that has received much attention recently for its potential to disrupt human health. Among many other products, BPA has been used in the linings of food and beverage cans and bottle lids. Leading companies in those industries have been searching for safer alternatives to BPA-based linings for years. Come hear the story of how a Minnesota company - Valspar - tackled this challenge in a unique way.

Hear about and discuss...

- What prompted Valspar to embark on the development of this alternative
- How did they identify their performance and safety testing regimes
- What was the internal dynamic and stakeholder involvement

Hosted by the MN  
Pollution Control Agency &  
the MN Green Chemistry Forum

2 Blocks from the Triple Region  
Roundtable Conference (Central  
Library) & Blue and Green Line LRT.

Find parking information at:  
<http://www.bestparking.com/minneapolis-parking/>

**Towle Building**  
(1st Floor Training Center)  
**330 2nd Ave South**  
**Minneapolis, MN**  
**55401**

Enter the Building from  
2nd Ave (east side)

