

## DIRECTIONS

### From Milwaukee

Hwy 41N to Exit 119 Oshkosh Ave/Congress Ave/Hwy 21. Turn right on Hwy 21. Cross the Fox River, turn right on High Ave. Continue on High Ave, then right on Osceola St, then left on Pearl Ave.

### From Green Bay & Appleton

Hwy 41S to Exit 119 Oshkosh Ave/Congress Ave/Hwy 21. Turn right on Hwy 21. Cross the Fox River, turn right on High Ave. Continue on High Ave, then right on Osceola St, then left on Pearl Ave.

### From Madison

Hwy 151 N to Hwy 26. Follow Hwy 26 to Hwy 41. Take Hwy 41 N to Exit 119 Oshkosh Ave/Congress Ave/Hwy 21. Turn right on Hwy 21. Cross the Fox River, turn right on High Ave. Continue on High Ave, then right on Osceola St, then left on Pearl Ave.

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Central States Water Environment Association  
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Crystal Lakes, IL 60014

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# Pretreatment Seminar

Sponsored by



Tuesday, August 14, 2018  
University of Wisconsin - Oshkosh  
Alumni Welcome  
and Conference Center  
625 Pearl Avenue  
Oshkosh, WI 54901

## SEMINAR INFO

This seminar provides an overview and update of current issues for individuals involved with pretreatment programs or dealing with pretreatment concerns. A wide array of pretreatment issues will be presented by recognized experts. This seminar provides 6 WI DNR CEUs.

**DATE:** Tuesday, August 14, 2018

**FEE:** \$90 registration. (Fee includes program materials, breaks, breakfast, and lunch.) Student registration \$40.

**WHERE:** University of Wisconsin - Oshkosh  
Alumni Welcome and Conference Center

## AGENDA

- 7:30 - 8:30 am **Registration/Breakfast and Welcome/Opening Remarks**  
*Jay Kemp (WI Industrial Waste Committee Chair)*
- 8:30 - 9:15 am **DNR Update 2018**  
*Bob Liska (WDNR)*  
The presentation will discuss the new dental amalgam rule and its implementation in Wisconsin, Pretreatment regulatory tools available to DNR and small POTWs to address recurring POTW violations, and the role of pretreatment and lessons learned from Pretreatment Program audits.
- 9:15 - 10:00 am **Confined Space Safety**  
*Garrett Kaminskis (North American Safety Systems)*  
Confined space entries are needed for a variety of reasons including industrial sampling for pretreatment compliance. This presentation will outline the regulations, techniques, and best practices of making a safe confined space entry to not only get the job done but also so that at the end of the day, everyone can go home to their families.
- 10:00-10:15 am **Break**
- 10:15 - 11:00 am **The Impacts of Sanitizers and Cleaning Products on Food Industry Biological Pretreatment Systems**  
*Larry Collins (JBS Green Bay)*  
*Andrew Kim (Fife Water Services)*  
In order to make safe food products for consumers, food plants are increasing the use of anti-microbial agents to sanitize production areas. These anti-microbial agents can have adverse effects on biological wastewater pretreatment systems.

### 11:00- 11:45 am **Micropollutants in Wastewater and Biosolids**

*Dr. Patrick McNamara (Marquette University)*

Biological wastewater treatment plants are not specifically designed to remove micropollutants, therefore discharges from WWTPs are considered a major point source of these chemicals in our environment. Micropollutants will also occur in biosolids as well as effluent. Impacts ranging from fish feminization to the spread of antibiotic resistance for chemical micropollutants and biological micropollutants will be covered. Additionally, the role of engineering treatment processes on removing or altering micropollutants will be discussed.

### 11:45- 12:45 pm **Lunch**

### 12:45 - 1:45 pm **Brewery Wastewater Management**

*Wisconsin Brewer TBD*

*Greg Droessler (Town & Country Engineering, Inc.)*

Brewing is a water-intensive industry, generating wastewater volumes 3 to 5 times the volume of beer made. High strength and temperature wastewater as well as pH and solids issues from breweries can challenge the capacity of smaller POTWs. Brewery wastewater represents a significant portion of the loading to larger wastewater treatment plants. It is important for breweries and wastewater plants to work together on the characteristics and timing of wastewater discharges. Is there potential for resource recovery from brewery wastes? Be prepared to participate in an informal survey of the brewery impacts to your system.

### 1:45 - 2:00 pm **Break**

### 2:00 - 3:00 pm **Utilities of The Future**

*Laurie Frieders (Glenbard Wastewater Authority)*

*Karen Sands (Milwaukee MSD)*

*Cody Schoepke (City of Fond du Lac)*

While traditional public health and environmental protection will always be central, the model for the utility of the future (UOTF) is evolving in new directions. It contemplates a new business approach where instead of simply collecting, treating, and disposing of municipal and industrial wastewater, the UOTF recognizes that its inputs are valuable resources. As such, its objectives are to separate, extract, reuse, or convert valuable water, energy and commodities from wastewater while using utility assets in innovative ways to reduce costs, increase revenues, and strengthen the local economy. The UOTF also seeks to engage more fully with others that share the water resource through watershed-based approaches, innovative partnerships and adaptive management techniques to ensure that actions maximize environmental benefits. How will pre-treatment programs be used to enhance the utility of the future?

### 3:00 - 3:30 pm **Round Table Discussion**

*Bill Oldenburg (NEW Water)*

An open forum for the discussion of pretreatment issues with emphasis on the utilities of the future.

## SPEAKERS

**Garrett Kaminskis** - North American Safety Systems

**Larry Collins** - JBS USA

**Andrew Kim** - Fife Water Services

**Bill Oldenburg** - NEW Water

**Dr. Patrick McNamara** - Marquette University

**Greg Droessler** - Town & Country Engineering, Inc.

**Laurie Frieders** - Glenbard Wastewater Authority

**Karen Sands** - Milwaukee Metropolitan Sewerage District

**Cody Schoepke** - City of Fond du Lac, WI

**Bob Liska** - Wisconsin Department of Natural Resources

## REGISTRATION

Register and pay online at  
cswea.org/wisconsin/events  
or mail with payment to:

Symbiont  
c/o Jon Butt  
6737 W. Washington Street, Suite 3440  
Milwaukee, WI 53214

\*Make checks payable to  
CSWEA - Wisconsin Section.

\*Please submit 1  
registration form  
per person.

Name: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City, State, Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Registration deadline: Forms and payment in full by 8/14/18.

No refunds given after 8/14/18. No purchase orders or company billing will be accepted.

QUESTIONS? Call Jay Kemp at (414) 455-1609.