

## 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

HHwy 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.

Mohammed Haque  
Central States Water Environment Association  
1021 Alexandra Blvd.  
Crystal Lakes, IL 60014

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# Pretreatment Seminar

Sponsored by:



Tuesday, August 15, 2017  
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 CEU's.

DATE: Tuesday, August 15, 2017

FEE: \$90 preregistration before 7/31/2017 or \$100 on or after 8/1/2017. (Fee includes program materials, breaks and lunch.) Student registration \$40. Webinar registration is \$40. On-site registration is limited to the first 100 participants.

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

## AGENDA

7:30 - 8:15 am Registration/Breakfast and Welcome/Opening Remarks - Jay Kemp (WI Industrial Waste Committee Chair)

8:15 - 9:00 am DNR Update 2017  
Bob Liska (WDNR)

The presentation will discuss the new dental amalgam rule and its implementation in Wisconsin, municipal biosolids exceedances and the role of pretreatment and lessons learned from Pretreatment Program audits.

9:00-9:30 am New Approaches to Measure Grease Trap Compliance  
Penny Bouchard (Baxter and Woodman)

Clean Water Services in suburban Portland, Oregon has implemented a relatively new method of evaluating FOG compliance resulting in real benefits to the POTW. This program is being adopted in multiple states due to its implementation cost and effectiveness.

9:30 - 10:00 am Grease Receiving at Downers Grove Sanitary District  
Amanda Sheposh (Baxter and Woodman)

Reese Berry (Downers Grove Sanitary District)

Downers Grove has been accepting restaurant grease since 2011 and is now starting to accept other hauled wastes. Co-digestion has almost tripled gas production in the District. A second combined heat and power engine was started up in May 2017, and the District has been operating as net energy neutral since.

10:00 - 10:15 am Break

10:15 - 11:00 am High Strength Food Waste to Energy  
Michael Keleman (Insinkerator)

Food waste is receiving global attention including a joint initiative by the US EPA and USDA to reduce food waste by 50% by 2030. InSinkErator recently developed Grind2Energy for large generators of food scraps such as supermarkets, casinos and sporting venues to convert organics into a pumpable, readily biodegradable slurry for conversion into renewable energy using anaerobic digestion. Many cities are also implementing the use of disposers as a part of their overall sustainability strategy for managing organics, reducing greenhouse gas emissions, and improving nutrient removal at wastewater treatment plants.

11:00 - 11:30 am Conde Street Update  
Joe Zakovec (Janesville Wastewater Treatment Plant)

Back in 2013 Seneca Foods approached the City of Janesville with a proposal to expand at their facility from a seasonal to year around production with an expansion which would bring more jobs to the City. To accommodate year-round operation, the City built and currently operates a covered anaerobic lagoon system to reduce the strength of the wastewater and generate biogas which is purchased by Seneca.

11:30 - 12:15 pm Connecting Dairy Farms and Municipal Wastewater Treatment - Dr. Ryan Holzem (UWGB)

Manure management is increasingly becoming a burden for large dairy farms in Wisconsin and across the U.S due to land application nutrient limitations and transport costs. Biosolids and manure are both important sources of nutrients for agriculture. Advanced manure management systems remove large portions of water from the manure (~50%) and treat it for surface water discharge, livestock consumption, or irrigation, while recovering nutrients. Manure treatment technology requires further research. Collaboration with municipal and industrial wastewater engineers would help develop advanced manure management. This presentation compare and contrast advanced manure management systems with conventional municipal and industrial wastewater treatment.

12:15 - 1:00 pm Lunch

1:00 - 1:45 pm Chloride Reduction - Madison Metropolitan  
Catherine Harris (Madison Metropolitan Sewerage District)

Evolution of the Madison Metropolitan Chloride Source Reduction Initiative. This program will discuss the Madison Metropolitan Sewerage District's chloride reduction initiative to date, including strategies, outcomes, challenges and plans for the future.

1:45 - 2:30 pm Phosphorus Source Reduction - Fond du Lac  
Jane Carlson (Strand Associates)

Many WPDES permits for wastewater treatment plants include a requirement to investigate possible phosphorus source reduction measures. Phosphorus compliance costs can be reduced if influent phosphorus loadings are reduced. This presentation will include some tools and successful methods for influent phosphorus minimization at wastewater treatment plants. Case studies from the City of Fond du Lac and other treatment plants will be presented.

2:30 - 2:45 pm Break

2:45 - 3:30 pm Potawatomi Digester Project Update  
Sara Dresher (Forest County Potawatomi Community)

The Forest County Potawatomi Community renewable generation facility was built in 2013 and been successfully digesting a variety of organic waste to create biogas to power two megawatts of generating capacity. The facility is located adjacent to the Potawatomi Hotel and Casino, which supplies food waste to the digester and utilizes reclaimed heat to offset domestic water heating requirements. This presentation will provide an update on digester operation, successes and challenges

3:30 - 4:15 pm Round Table Discussion  
Bill Oldenburg (NEW Water)  
An open forum for the discussion of pretreatment issues.

## SPEAKERS

Bob Liska - Wisconsin Department of Natural Resources

Penny Bouchard - Baxter and Woodman

Reese Berry - Downers Grove Sanitary District

Amanda L. Sheposh - Baxter & Woodman

Michael Keleman - Insinkerator

Joe Zakovec - Janesville Wastewater Treatment Plant

Dr. Ryan Holzem - University of Wisconsin-Green Bay

Catherine Harris - Madison Metropolitan Sewerage District

Jane Carlson - Strand Associates

Sara Dresher - Forest County Potawatomi Community

## REGISTRATION

Register and pay online at [www.cswea.org/wisconsin/events](http://www.cswea.org/wisconsin/events) or mail with payment to:

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

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

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

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

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

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

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

Registration deadline: Forms and payment in full by 8/15/17.

\$90 preregistration before 7/31/17 / \$100 8/1/2017 & day of event/  
Student registration is \$40. Webinar registration is \$40.

No refunds given after 7/31/17. No purchase orders or company billing will be accepted.

Webinar registrants will receive information one week before the seminar to view slides and hear speakers via GoToMeeting

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

\*Make checks payable to  
CSWEA - Wisconsin Section.

\*Please submit 1 registration  
form per person.