

DIRECTIONS

From Milwaukee

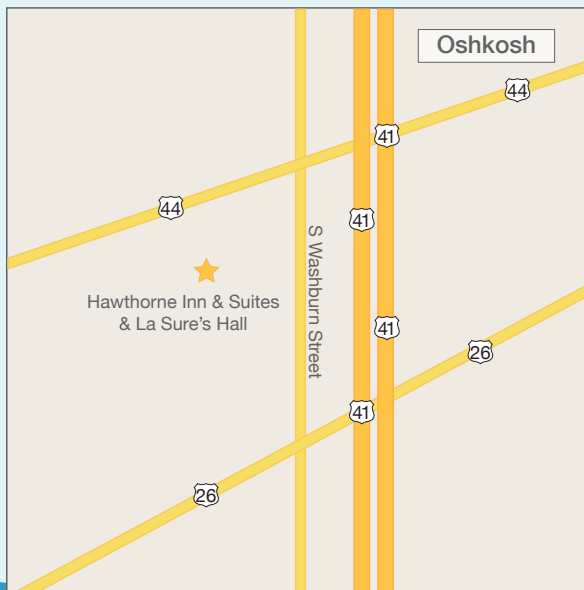
Highway 41 North to Highway 44 in Oshkosh. Turn left on Hwy 44. Turn left on the West Frontage Road (Washburn Street) and travel 3/4 of a mile to the Hawthorn Inn & Suites Motel & La Sure's Hall, Banquets & Catering.

From Green Bay & Appleton

Highway 41 South to Highway 44 in Oshkosh. Turn right on Hwy 44. Turn left on the West Frontage Road (Washburn Street) and travel 3/4 of a mile to the Hawthorn Inn & Suites Motel & La Sure's Hall, Banquets & Catering.

From Madison

Highway 151 North to Highway 26. Follow Highway 26 to Highway 41. Turn left on the West Frontage Road (Washburn Street) and travel 3 miles to the Hawthorne Inn & Suites & La Sure's Hall, Banquets & Catering.



Symbiont
c/o Mike O'Neil
6737 W. Washington St. Suite 3440
Milwaukee, WI 53214

Pretreatment Seminar

Sponsored
by



Tuesday, August 12, 2014

La Sure's Hall
3125 South Washburn Street
Oshkosh, WI

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. WI DNR CEU's will be provided.

Date..... Tuesday, August 12, 2014

Fee\$85.00 Pre-registration before 8/8/14 or \$95.00 day of seminar (both fees include program materials, breaks, and lunch). Student Registration \$40.00. Registration is limited to the first 80 participants.

Where.....La Sure's Hall
3125 South Washburn Street
Oshkosh, WI – 920-651-0796

SEMINAR AGENDA

7:30 – 8:15 am: **Registration/Breakfast and Welcome and Opening Remarks** - Mike O'Neil

8:15 – 9:00 am: Bob Liska (WIDNR)
DNR Update - Pretreatment Requirements - 2014
Bob will be providing an update of pretreatment regulations and any new requirements for Wisconsin's pretreatment industries and municipal programs, and how these changes will be implemented.

9:00 – 9:45 am: Fran Brady (Koch Membrane Systems, Inc.)
Treatment of Wastewater from the Metal Working, Plating, and Manufacturing Industries
The discharge of wastewaters by industry is subject to stringent regulation by local, municipal, and federal agencies. Cross flow membranes provide best available technology - in a cost-effective, reliable, and less labor-intensive way - for processing oily and heavy metal-bearing wastewaters for discharge or for water recovery for recycle back into the plant.

9:45 – 10:00 am: **Break**

10:00 – 11:00 am: Jon Butt (Symbiont), Bill Oldenburg (NEW Water), Larry Collins (JBS)
Phosphorus Panel Discussion
Three professionals with years of experience and vestment in the pretreatment industry will be on a panel to discuss new phosphorus rules. The panel will consist of a consulting engineer that works on phosphorus permitting for both industrial and municipal clients, a municipal pretreatment coordinator that implements pretreatment ordinances and works with industrial pretreatment dischargers, and an industrial pretreatment manager that works with municipal pretreatment coordinators and manages and operates pretreatment systems.

11:00 – 11:30 am: Bill Hafs (NEW Water)

Adaptive Management for Pretreatment

Bill will present the methodology and current progress of an adaptive management pilot project that NEW Water is undertaking to help them and other pretreatment system owners make decisions on treatment verses adaptive management. The pilot program's goal is to determine if a plant can be successful and cost effective for a phosphorus reduction strategy.

11:30 – 12:30 pm: **Lunch**

12:30 - 1:00 pm: Jeff Van Voorhis (Symbiont)

Breaking the Barriers to Collaborative Waste-to-Energy Systems

In concert with the popularity of green/sustainable infrastructure projects, regional waste-to-energy programs have expanded in popularity. A review of case studies of waste-to-energy operating systems will assess process performance, system maintenance, stakeholder complaints/compliments, and lessons learned.

1:00 – 1:30 pm: Tom Ludy (Green Whey Energy)

Case Study - Green Whey Pretreatment System

This talk is focused on the owner/operator perspective of installing and operating a waste-to-energy system.

1:30 – 2:15 pm: Bob Evangelisti, P.E., CEA, CHMM, CSP
(*Robert Evangelisti, LLC; Environmental, Safety, and Health Consulting*)

Wastewater Plant Safety and Health

An overview of Wastewater Treatment Plan (WWTP) Safety and Health. Focus of the various safety and health topics will follow Occupational Safety & Health Administration (OSHA) rules and standards as they relate to WWTP Operation and Maintenance. Other topics covered include OSHA's role, the Occupational Safety & Health Act, some important safety terms and concepts, and OSHA's Top 10 list of violations.

2:15 – 2:30 pm: **Break**

2:30 – 3:00 pm: Dr. Daniel Zitomer (Marquette University)

Summary of Pretreatment Survey

In 2013, the industrial waste pretreatment committee sent a survey to municipal water reclamation facilities to determine the size, number, and types of industries discharging to sewers. The results of the survey will be discussed. Use of the data to prioritize future education and research efforts will be presented.

3:00 – 4:00 pm: Bill Oldenburg (NEW Water)

Round Table Discussion

An open forum for the discussion of pretreatment issues.

4:00 – 4:30 pm: **Final Comments/Handouts/Adjourn**

SPEAKERS

Bob Liska	Wisconsin Department of Natural Resources, <i>Pretreatment Coordinator</i>
Fran Brady	Koch Membrane Systems, Inc., <i>Process Technology Leader</i>
Jonathan Butt	Symbiont, <i>Project Manager/Project developer</i>
Bill Oldenburg	NEW Water, <i>Pretreatment Program Coordinator</i>
Larry Collins	JBS, <i>Environmental Affairs Manager</i>
Bill Hafs	NEW Water, <i>Director of Environmental Programs</i>
Jeff Van Voorhis	Symbiont, <i>Project Manager</i>
Tom Ludy	Green Whey Energy, <i>Manager</i>
Bob Evangelisti	Robert Evangelisti LLC, <i>H&S Consultant</i>
Dr. Daniel Zitomer	Marquette University, <i>Professor</i>

PAYMENT & REGISTRATION

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

Symbiont, c/o Mike O'Neil
6737 W. Washington Street, Suite 3340
Milwaukee, WI 53214

*Make checks payable to CSWEA - Wisconsin Section
* Please submit one registration form for each registrant. Use separate forms or copies for each registrant.

Name _____
Company _____
Address _____
City, State, Zip _____
Phone _____
Email _____

Registration Deadline: Forms and payment in-full must be received by August 12, 2014.

No refunds given after August 12, 2014. No purchase orders or company billing will be accepted.

For questions contact Mike O'Neil at 414.291.8840