DIRECTIONS

Traveling from the North - Follow I-41 to US-45S/Algoma Blvd. in Oshkosh. Take exit 120 for US-45S/Algoma Blvd. Follow Algoma Blvd. to High Ave. Follow High Ave. to Rockwell Ave. Take a right on Rockwell Ave. to Pearl Ave. Take Pearl Ave. to your destination at 625 Pearl Ave., Oshkosh.

Traveling from the South - Follow I-41 to W 9th Ave. in Oshkosh. Take exit 117 for W 9th Ave. Follow W 9th Ave. to Ohio St/WI Trunk 44 N. Turn left onto Ohio St. Follow Ohio St. to Pearl Ave. Turn left onto Pearl Ave. and take to your destination at 625 Pearl Ave., Oshkosh.
Phosphorus / Nutrients Operations Seminar Information

Thursday, November 14, 2019

This seminar provides a forum for discussion of operation and maintenance issues related to a wide array of phosphorus and nitrogen management practices in the wastewater field, including use of bull sessions to promote interactive discussion on the issues and experiences of attendees. Several areas of nutrient management topics will be presented by recognized experts. Six hours of WI DNR CEU’s will be provided to attendees.

Fee: Preregistration is $50 by 10/16/19. After 10/16/19, the cost is $60. (Fee includes program materials and lunch.) Student registration is $20. On-site registration is limited to the first 100 participants.

Location: Culver Family Welcome Center (University of Wisconsin-Oshkosh Alumni Welcome and Conference Center).

Schedule:

8:00 AM  Registration / Continental Breakfast
8:30 AM  Welcome / Opening Remarks
8:35 AM  Innovative Solutions to Today’s Nutrient Removal Challenges
  By: Leon Downing - Black & Veatch
  The evolving understanding of the biological nutrient removal microbiome, and how to adapt our way of thinking to maximize performance of our existing infrastructure.
9:10 AM  Lessons Learned from Several Years of Low Dissolved Oxygen and Nitrite Shunt Pilot Evaluations
  By: Matt Seib - Madison Metropolitan Sewerage District
  Share the insights gained and lessons learned on the viability of low dissolved oxygen and nitrite shunt processes.
9:55 AM  Break
10:10 AM Bio-P Operational Changes and Impacts
  By: Greg Paul - Op2Myz
  Focus in on the applied principles and what has been uncovered through careful observation relative to ORP, pH, Alkalinity, D.O. & SRT control, inline fermentation.
10:55 AM  Bull Session
12:00 PM Lunch
1:00 PM  Five years of Phosphorus Removal Optimization - What Do We Know?
  By: Cody Schoepke - Fond du Lac WTRRF
  How Fond du Lac went about improving phosphorus removal by including chemical feed control and dosing, basin modifications for Bio-P, chemical and tertiary treatment piloting, deammonification, and other process items.
1:45 PM  Update on Regulatory Options for Phosphorus Compliance: A Changing Landscape
  By: Paul Kent - Stafford Rosenbaum LLP
  How alternative regulatory compliance options are working, the impact of TMDLs, the impact of staff changes at EPA and DNR, and the potential for a trading clearing house.
2:30 PM  Break
2:45 PM  Bull Session
3:45 PM  End of Session

Committee Members:

- Jeremy Cramer - Chair
- Jake Becken - Vice Chair
- Steve Brand
- Lindsey Busch
- Alan Grooms
- Don Heikkila
- Troy Larson
- Bill Marten
- Cody Schoepke
- Rusty Schroedel
- Matt Seib
- Sharon Thieszen
- Patrick Wescott
- Randy Wirtz

Registration:

Register and pay online at www.cswea.org/wisconsin/events/upcoming-events or mail completed form with payment to:

Patrick Wescott
2231 North Quincy Street
Green Bay, WI 54302

**Make checks payable to: CSWEA - WI Section**

**Please submit one registration form per person**

Name: ____________________________________________
Company: _________________________________________
Address: __________________________________________
City/State/Zip: ______________________________________
Phone: ____________________________________________
Email: ____________________________________________

Registration deadline: Forms and payment due in full by day of the event.

$50 preregistration by 10/16/2019; $60 after 10/16/2019 through day of event.

Student registration is $20.

No refunds given after 10/16/2019.

No purchase orders or company billing will be accepted.

Please let us know of any special dietary requirements: ____________

Questions? Call Jeremy Cramer at (920)318-4094