From Milwaukee
Follow I-41/US 41 to WI-23E
Take Exit 99 (Johnson St)
Continue East on Johnson St to N Park Ave, Turn Left onto N Park Ave
Continue on N Park Ave to Lakeside Park Pavilion

From Green Bay & Appleton
Follow I-41/US 41 to WI-23E
Take Exit 99 (Johnson St)
Continue East on Johnson St to N Park Ave, Turn Left onto N Park Ave
Continue on N Park Ave to Lakeside Park Pavilion

From Madison
Follow US151N to County Rd D Exit in Fond du Lac, Continue on D to I-41/US 41N, Continue on I-41N/US 41N to WI-23E (Johnson St) Continue East on Johnson St to N Park Ave, Turn Left onto N Park Ave
Continue on N Park Ave to Lakeside Park Pavilion

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

Thursday, November 10, 2016
City of Fond du Lac
Lakeside Park - Pavilion
555 N Park Ave
Fond du Lac WI 54935
11:30—12:00 p.m. — Sheboygan Case Studies  
Dan Brady—Lead Operator Sheboygan WWTP and Sharon Thieszen—Superintendent  
The presentation will focus on efforts to use high strength waste as a carbon source to drive biological phosphorus removal. The facility sends high strength waste to an anaerobic digestion process on a daily basis to produce biogas but has recently added high strength waste to its activated sludge process as a carbon source to drive Bio-P.

12:00—12:45 p.m. — Lunch  
Cod Fish Fry, butter roasted potatoes, cole slaw, rye bread

1:00—1:30 p.m. — Green Bay Final Clarifier Case Study  
Nathan Cassity—Donohue & Associates  
Full scale final clarifier testing was performed at the NEW Water treatment facility which provided projections of TSS removal and ultimately phosphorus removal due to baffle improvements.

1:30—1:45 p.m. — Energy and Nutrients  
Matt Seib—Process and Research Engineer at Madison Metropolitan Sewerage District  
Rusty Schroedel—AECOM Engineering Manager  
Information on WEF energy guidance documents and resources will be discussed.

1:45—2:15 P.M. — Combining Energy Saving efforts with Nutrient Removal in mind  
Steve Reusser—Ayres Associates Process Engineer  
This will be a discussion focusing on energy and nutrients. Energy optimization strategies related to aeration equipment, mixing, and controls will be discussed along with process changes and impacts to Biological Phosphorus removal.

2:15—2:30 p.m. — Break  
Bars, cookies, coffee, and ice tea

2:30—3:15 p.m. — Bull Session 2  
An open forum for the discussion of phosphorus and energy related issues.

OPERATIONS SEMINAR INFO
This seminar provides an overview and update of current issues related to meeting low level phosphorus limits and will include low level phosphorus efforts/case studies from facilities around the state. A wide array of phosphorus issues will be presented by recognized experts. WI DNR CEU’s will be provided.

DATE: Thursday, November 10, 2016  
FEE: $40 preregistration before 10/31/16 or $50 on or after 11/1/16. (Fee includes program materials, breaks, lunch.) Student registration $20. On-site registration is limited to the first 70 participants.

WHERE: City of Fond du Lac—Lakeside Park Pavilion

AGENDA
8:00—9:00 a.m. — Registration/Breakfast and Welcome/Opening Remarks

9:00—9:45 a.m. — Fond du Lac Low Level Phosphorus Efforts and SNRP overview  
Autumn Fisher—Fond du Lac Regional Wastewater Treatment Facility  
The Fond du Lac Regional Wastewater Treatment Plant has evaluated numerous phosphorus removal technologies in preparation for their proposed WQBEL of 0.04 mg/L. Additionally, the laboratory has conducted extensive phosphorus speciation analysis with a primary focus on soluble non-reactive phosphorus (SNRP) and the potential impact on the ability to meet proposed effluent limits.

9:45—10:30 a.m. — What’s New in Phosphorus Removal and Recovery  
Beverly Stinson—Vice President AECOM Water  
in a time of cost constraints and carbon footprint reductions we are seeing a move toward more sustainable and compact treatment concepts. The drive to do more (better removal and recovery of valuable commodities such as reuse water, nutrients and energy) with less (space, time, cost, carbon etc.) is often referred to as “intensification”. Dr. Stinson will provide an update on some ongoing research into more compact and cost effective phosphorus removal and recovery approaches emerging within the industry along with some full scale data from real world applications.

10:30—10:45 a.m. — Break  
Coffee, fresh fruit, and pastries

10:45—11:30 a.m. — Bull Session 1  
An open forum for the discussion of phosphorus related issues.

SPEAKERS
Autumn Fisher—Fond du Lac Regional WWTP  
Beverly Stinson—AECOM Water  
Dan Brady—Sheboygan WWTP  
Sharon Thieszen—Sheboygan WWTP  
Jason Ellis—Oshkosh Water and Wastewater Utility  
Steve Brand—Oshkosh Water and Wastewater Utility  
Nathan Cassity—Donohue & Associates  
Matt Seib—Madison Metropolitan Sewerage District  
Rusty Schroedel—AECOM  
Steve Reusser—Ayres Associates

COMMITTEE MEMBERS
Troy Larson  
Bill Marten  
Sharon Thieszen  
Rusty Schroedel  
Steve Brand  
Alan Grooms  
Matt Seib  
Pat Wescott  
Sharon Long  
Jeremy Cramer  
Randy Wirtz

REGISTRATION
Register and pay online at www.cswea.org/wisconsin/events or mail with payment to:  
Jeremy Cramer  
Fond du Lac Regional Wastewater Treatment Facility  
700 Doty St  
Fond du Lac WI 54935-1960

**Make checks payable to: CSWEA—WI Section**  
**Please submit 1 registration form per person**

Name: __________________________
Company: ________________________
Address: __________________________
City/State/Zip: ______________________
Phone: ____________________________
Email: __________________________

Registration deadline: Forms and payment in full by 11/10/16.

$40 preregistration before 10/31/16, $50 11/1/16 & day of event/Student registration $20

No refunds given after 10/31/16. No purchase orders or company billing will be accepted.