

**28th Annual Innovative Approaches to Wastewater Operational Problems Conference  
Registration Form (Detach and Mail)**

NAME: \_\_\_\_\_ TELEPHONE: \_\_\_\_\_  
 COMPANY: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_ Street \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

ENCLOSED  \$60.00 IN ADVANCE  \$70.00 AT THE DOOR  \$20.00 STUDENT

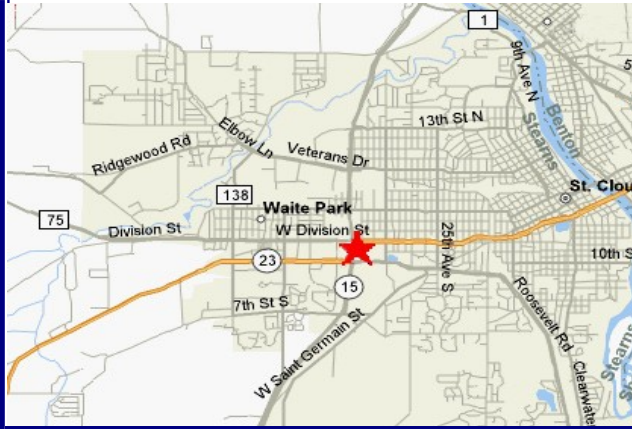
**PRE-REGISTRATION MUST BE RECEIVED BY TUESDAY, FEBRUARY 1, 2011**

**NO PURCHASE ORDERS will be accepted.**

For online registration: <http://www.cswea.org/minnesota/events/> (payment must accompany registration)  
**Remit payment and this form to:**

**MN SECTION CSWEA  
 525 - 60TH STREET SOUTH  
 ST. CLOUD, MN 56301**

CSWEA Member  MWOA Member  Student  Speaker



**Six Wastewater Contact Hours  
 Awarded for Attendance**

**REGISTRATION**

**Advanced Registration must be received by:  
 Tuesday February 1st**

PRE-REGISTRATION: \$60.00  
 LATE REGISTRATION/AT THE DOOR: \$70.00  
 STUDENTS: \$20.00

Fees cover the conference and lunch  
 If you have any special health or mobility needs, please attach a note to your registration form.  
 Registration is personal, nontransferable and is made for the entire day of the conference. A full refund of the fee will be made if the registration is cancelled 48 hours in advance of the conference.

**Planning Committee**

**Kim Reynolds** .....Chairperson  
**Tim Korby** .....Vice Chairperson  
**Ted Field** .....CSWEA Chair (MN)  
**Howard Jacobson**.....MWOA President  
**Brian Mehr** .....MWOA Trustee  
**Allison Sumption**.....CSWEA Trustee

Rick Ashling	Elaine Hartfiel	Larry Rogacki
Jason Benson	Les Lange	Tanya Schmidt
Herschel Blasing	Jim Miller	Pat Shea
Tracy Ekola	Karla Olson	Carl Swaggert
Gene Erickson	Phil Parsons	Colleen Thompson
Bruno Gad	Jason Peterson	Sherri Westphal
Marion Graham	Nick Pond	

***For More Information Contact:***

Kim Reynolds, Chair (952) 926-7000  
 Elaine Hartfiel, Registration: (320) 255-7226  
 Holiday Inn Information: (320) 253-9000

**INNOVATIVE APPROACHES CONFERENCE**

**MN Section CSWEA  
 525-60th Street South  
 St. Cloud, MN 56301**

**28th Annual Conference**

**INNOVATIVE  
 APPROACHES  
 TO  
 WASTEWATER  
 OPERATIONAL  
 PROBLEMS**

**Tuesday, February 15, 2011  
 Holiday Inn, St. Cloud, MN**



**Associate Professor,  
 Department of  
 Organizational  
 Leadership, Policy  
 and Development**

**Futurist and Faculty  
 Director for the  
 Graduate Certificate  
 in Innovation Studies**

**KEYNOTE SPEAKER  
 Arthur Harkins**



[www.cswea.org](http://www.cswea.org)



[www.mwoa.net](http://www.mwoa.net)

## 8:00 REGISTRATION

**8:45 WELCOME –**  
**Ted Field –**  
*MN Section CSWEA, Chair*  
**Howard Jacobson –**  
*MWOA, President*

**8:55 Introduction – Kim Reynolds**  
*Operations Committee Chair*

### GENERAL SESSION:

*MODERATOR: Tim Korby*

### 9:00 KEYNOTE ADDRESS

## ARTHUR HARKINS

*“New Technologies, Products  
and Innovative Solutions”*

University of Minnesota

“...I am particularly interested in the  
relationship among three things:  
Technology, Education and the Workforce.”

### 10:15 BREAK

### SESSION A: OPERATIONS PROCESSES

*MODERATOR: Tracy Ekola*

**10:30 WWTF Design for Energy Efficiency:  
Taking Advantage of Energy Rebates**  
*Dustin Maas—Short Elliot Hendrickson  
Glen Bauer—Sauk Centre Public Utilities*

**11:00 Pilot Study on KWT Sludge  
Dehydrator Equipment –**  
*Brian Mehr, City of Hutchinson*

**11:30 Feasibility of Anaerobic Digestion for a  
Small Dairy Farm—**  
*Tom Dye, Bonestroo, UW-Platteville*

### SESSION B: REGULATORY

*MODERATOR: Herschel Blasing*

**10:30 It's a Brave New World (for Mercury  
and Phosphorus) –**  
*Brett Ballavance, MPCA, Duluth Office*

**10:50 MPCA Endocrine Disrupting Compound  
Monitoring Study –**  
*Mark Ferrey, MPCA, St. Paul Office*

**11:10 NPDES Requirements for Ammonia and  
Salty Discharges –**  
*Katrina Kessler, MPCA, St. Paul Office*

**11:30 MPCA New Guidelines for Industrial  
Pretreatment –**  
*Aaron Luckstein, MPCA, Rochester Office*

### SESSION C: COLLECTION SYSTEM AND FLOODING

*MODERATOR: Jason Peterson*

**10:30 Rehabilitation of a 36" Concrete  
Force Main –**  
*Kyle Skov, City of Albert Lea*

**11:00 Winter Weather Impacts on Flooding –**  
*Amanda Graning, National Weather Service*

**11:30 Large Force Main Collapse and  
Replacement –**  
*Mark Koch, City of Mankato*

### 12:00 LUNCH - Provided with Registration

### 1:00 GENERAL SESSION

*MODERATOR: Carl Swaggert*

**1:00 Operations Award Overview**  
*Carl Swaggert, Jason Peterson  
CSWEA Awards Committee*

**1:15 Mass Culture of Algae from WW for  
Energy Production & WW Treatment—**  
*Roger Ruan, U of MN*

### 2:15 BREAK

### CHAPTER PROJECT REPORTS

*MODERATOR: Rick Ashling*

**2:30 Vermilion Community College—**  
*Wade Klingsporn &  
Water Resource Students*

**2:45 St. Cloud Technical College—**  
*Keith Redmond &  
Water Environment Technology Students*

### 3:00 GENERAL SESSION

*MODERATOR: Ted Field*

**3:00 Flood Preparedness—**  
*Bob Zimmerman, City of Moorhead*

**3:45 Liquid Asset Minnesota –**  
*Patti Craddock, Craddock Consulting  
Engineers*

### SESSION: CLOSING & DOOR PRIZES

*MODERATOR: Tanya Schmidt*

**(DOOR PRIZES: MUST BE PRESENT TO WIN)**

**4:00 Closing Remarks—**

**Jim Miller, CSWEA President**  
**Door Prizes –Tanya Schmidt**

## Sponsors



**BOLTON & MENK, INC.**  
Consulting Engineers & Surveyors



## ABOUT THE CONFERENCE

Due to budget limitations, Operators are finding it difficult to obtain capital funding for projects within the plant. This conference is intended to provide cost-effective ideas for improving performance and reducing operating costs.

### CONFERENCE OBJECTIVES

To facilitate productive interaction among personnel in the wastewater industry

Exchange innovative operating ideas.

Provide ideas to reduce operating costs.

Provide Continuing Education Credit Hours

### WHO SHOULD ATTEND?

Representatives from...  
Municipal & Industrial WWTP's  
Contractors  
Equipment Suppliers  
Local, State & Federal Government  
Engineering Firms  
Educators  
Students

### CONFERENCE DATE AND LOCATION

Tuesday, February 15, 2011  
Holiday Inn, St. Cloud

### REGISTRATION OPENS AT 8:00 a.m.

Arrange for hotel accommodations with the Holiday Inn:  
*Innovative Conference Group Code:  
MNV*

**Holiday Inn Phone: 1-800-465-4329  
1-320-253-9000**

**www.Holiday-Inn.com/stcloudmn**  
*Ample Parking is Available at the Hotel*

THE MN SECTION CSWEA/MWOA ARE COMMITTED TO THE POLICY THAT ALL PERSONS SHALL HAVE EQUAL ACCESS TO ITS PROGRAMS, FACILITIES, AND EMPLOYMENT WITHOUT REGARD TO RACE, CREED, COLOR, SEX, NATIONAL ORIGIN, OR HANDICAP.

**28th Annual Conference: Innovative Approaches to Wastewater Operational Problems – Tuesday, February 15, 2011**