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Permit # 1055

## 2011 FALL CONFERENCE

### Managing Dynamic Environments



NEBRASKA CHAPTER  
AMERICAN PUBLIC  
WORKS ASSOCIATION



NEBRASKA SECTION  
AMERICAN WATER  
WORKS ASSOCIATION



NEBRASKA WATER  
ENVIRONMENT  
ASSOCIATION

**November 2-4, 2011**  
**Holiday Inn**  
**Kearney, Nebraska**

Nebraska Water Environment Association  
HDR  
8404 Indian Hills Drive  
Omaha, NE 68114  
Attn: Kathleen Alexander

## APWA

**Wednesday, November 2, 2011**

7:30-8:30 **Past Presidents' Breakfast**

7:30-8:30 **Registration**

**Morning Session**  
Moderator: Shawn Ovenden

8:30-8:45 **Presentation by APWA President**  
Shawn Ovenden, HDR

8:45-9:30 **Nebraska LFAP Continuing Education Opportunities**  
Dan Cady, NELTAP

9:30-10:15 **Overview of 2011 Flood Actions**  
Al Shoemaker, City of Blair

10:15-10:30 **Break and Tour Exhibits**

10:30-11:15 **Planning & Public Works: Partner in Redevelopment, Lincoln, NE**  
Hallie Salem, City of Lincoln Planner  
Steve Masters, Lincoln Public Works & Utilities

11:15-12:00 **Environmental Benefits of Concrete Pavement**  
Amanda Hult, National Ready Mix Concrete Association

12:00-1:30 **Joint APWA/AWWA Luncheon**  
Dennis Kelleher, AWWA Vice President

**Afternoon Session**  
Moderator: Mark Christiansen

1:30-2:15 **Round Table Discussion -- Snow and Ice Control, What Works and What Doesn't**  
Gwen Mendell,  
Nebraska Salt & Grain Co.  
Bill Bebb, Envirotech Services, Inc.

2:15-3:30 **State of the State**  
Monty Fredrickson, Director, State Engineer

3:30-4:30 **APWA Chapter and Executive Meeting**

6:00-7:00 **Social Hour and Tour Exhibits**

7:00-9:00 **APWA Banquet**  
Diane Linderman,  
APWA National President-elect

## AWWA

**Wednesday, November 2, 2011**

**Morning Session A**  
Moderator: Tony Bilek  
Technical: Doug Allen

8:30-9:00 **Keynote Address**  
Dennis Kelleher, H2M Group, AWWA

9:00-9:30 **Alliance NE-Arsenic Removal,**  
Mike Milius, Olsson Associates

9:30-10:00 **Lincoln Water System-GIS Water Service Pilot Study**  
Arnie Radloff, Lincoln Water Systems  
and Owen Killham, Olsson Associates

10:00-10:30 **Break and Tour Exhibits**

**Morning Session A (cont'd)**  
Moderator: Milo Rust

10:30-11:00 **Reducing Surge and Water Hammer in Your System**  
Jeff Fischer, Fischer-Harris & Associates

11:00-11:30 **The C3 Battle, a Study of the Fight Between Ductile Iron Pipe and PVC**  
Geoff Guss, Clow Water Systems

11:30-12:00 **WARN Local and National Update**

12:00-1:30 **Joint APWA/AWWA Luncheon**  
Dennis Kelleher, AWWA Vice President

**Afternoon Session A**

1:30-3:00 **AWWA Business Meeting**

**Break and Tour Exhibits**

3:00-3:30 **TOP OPS/Non OPS Competition**

3:30-5:00 **Water Taste Testing**

5:00-6:00 **Social Hour and Tour Exhibits**

6:00-7:00 **AWWA Banquet**

## AWWA

**Morning Session B**  
Moderator: Mary Poe  
Technical: Ralph Naber

8:30-9:00 **Keynote Address**  
Dennis Kelleher, H2M Group, AWWA

9:00-9:30 **Money Saving Opportunities with VFD's and SCADA Controls,**  
Lincoln Williams, Hydro  
Optimization & Automation Solutions

9:30-10:00 **Czech Water Treatment Systems,**  
Bruce Dvorak, UNL

10:00-10:30 **Break and Tour Exhibits**

**Morning Session B (cont'd)**  
Moderator: David Lathrop

10:30-11:00 **Overview of Condemnation Law in Nebraska**  
William G. Blake, Baylor, Evnen,  
Curtiss, Grimit & Witt LLC

11:00-11:30 **Surge Protection for a Major Raw Water Pump and Pipeline System**  
Jinsheng (Jin) Huo

11:30-12:00 **Swat Team Approach to the Florence Water Treatment Comprehensive Engineering Review**  
Erin Hunt, HDR and Mike Koenig, MUD

12:00-1:30 **Joint APWA/AWWA Luncheon**  
Dennis Kelleher, AWWA Vice President

**Afternoon Session B**

1:30-3:00 **Ultimate Backflow Challenge**

3:00-3:30 **Break and Tour Exhibits**

3:30-5:00 **TOP OPS/Non OPS Competition**

5:00-6:00 **Water Taste Testing**

6:00-7:00 **Social Hour and Tour Exhibits**

7:00-9:00 **AWWA Banquet**

# AWWA

## Thursday, November 3, 2011

7:30-8:30  
7:30-8:30

**AWWA Operator's Breakfast  
AWWA Past-Chairs Roundtable**

Morning Session A  
Moderator: Chad Roberts

**A**

8:30-9:00

**Implementation of a Well Head  
Protection Plan for Nitrates-Hastings,  
Nebraska Case Study**  
Luca DeAngelis, HDR

9:00-9:30

**Annual Well Pump Test Benefits**  
Dan Freese, Layne Western

9:30-10:00

**Nebraska Water Rate Findings**  
Randy Hellbusch, NeRWA

10:00-10:30

**Break & Tour Exhibits**

Morning Session A (cont'd)  
Moderator: Mike Wentink

10:30-11:00

**Smart Meters in the Water Industry**  
Brad Cutler, Sensus

11:00-12:00

**Drinking Water Regulatory Update**  
Jack Daniels, NHHS

12:00-1:30

**Joint AWWA/ NWEA Luncheon**  
Lyle Christensen, NWEA President  
Jeanette Brown, WEF President

Morning Session B  
Moderator: Ben Day

**B**

8:30-9:00

**Sanitary Survey Findings & General  
Questions,**  
DHHS Field Staff

9:00-9:30

**Basics of Membrane Water Treatment  
Systems**  
Jacob M. White, Burns & McDonnell

9:30-10:00

**City of Creighton RO System-Case  
Study**  
Michael Bourke, Wigen Water  
Technologies

Morning Session B (cont'd)  
Moderator: Teresa Konda

10:00-10:30

**Break & Tour Exhibits**

10:30-11:00

**Lincoln Water System Finds Multiple  
Approaches to Sustainable  
Operations,**  
Jerry Obrist, Lincoln Water  
System, Andrew Hansen, Black &  
Veatch, Julie Inman, Black &  
Veatch

11:00-12:00

**Drinking Water Regulatory Update,**  
Jack Daniels, NHHS

12:00-1:30

**Joint AWWA/ NWEA Luncheon**  
Lyle Christensen, NWEA President  
Jeanette Brown, WEF President

# NWEA

## Thursday, November 3, 2011

7:30-8:30

**Registration**

Morning Session  
Emerging Issues  
Moderator: Lyle Christensen

8:30-9:00

**WEF Dignitary**  
Jeannette Brown

9:00-9:30

**NDEQ Updates**  
Marty Link, Associate Program Director  
for the Water Quality Division

9:30-10:00

**EPA Regulatory Updates**  
Karen Flournoy, EPA

10:00-10:30

**Break and Tour Exhibits**

Session A:  
Dynamic Designs - Unique Solutions  
Moderator: Tom Miller

**A**

10:30-11:00

**Accelerated Design of the Clinton, Iowa  
Treatment Facilities**  
Ron Sova, HDR

11:00-11:30

**Designing Disinfection for Wet  
Weather Flows at Missouri River  
WWTP**  
Matthew Scarborough, CH2M Hill  
Michael Arends, City of Omaha

11:30-12:00

**Keys to Successful Sewer  
Rehabilitation**  
Bryon Livingston, Black and Veatch

12:00-1:30

**Joint AWWA/ NWEA Luncheon**  
Lyle Christensen, NWEA President  
Jeanette Brown, WEF President

Session B:  
Student Papers  
Moderator Shannon Bartelt-Hunt

**B**

10:30-11:00

**Water Quality Prediction Models for  
Storm Water Runoff in Two Lincoln,  
NE Urban Watersheds**  
Jake Fisher

11:00-11:30

**The Role of Sediments in the  
Bioavailability of Steroid Hormones**  
Jodi Sangster

11:30-12:00

**Multi-Dimensional Modeling  
Transport of Fullerene (C60)  
Nanoparticles in the Subsurface  
Environment**  
Chunmai Bai

12:00-1:30

**Joint AWWA/ NWEA Luncheon**  
Lyle Christensen, NWEA President  
Jeanette Brown, WEF President

Afternoon Session

**A + B**

1:30-3:30

**Top Ops Competition**  
Brian Bakke and Tom Miller  
**Vendor Hour "Show and Tell"**  
Chris Johnson

# NWEA

3:30-4:30

**NWEA Business Meeting**  
Lyle Christensen, NWEA President

4:30-5:30

**Vendor Hour**  
Tony Bilek

5:30-7:00

**Social Hour and Tour Exhibits**

7:00-9:00

**NWEA Banquet**

## Friday, November 4, 2011

7:30-8:30

**Operators Breakfast**

7:30-8:30

**AAEE Breakfast**

Morning Session A:  
Emergency Management  
Moderator: Kirk Pfeffer

**A**

8:30-9:00

**EOC (Emergency Operating Center)**  
Jay Ringenberg, NDEQ

9:00-10:00

**Omaha/Council Bluffs/Plattsmouth  
Flooding Panel Discussions**  
Marty Grate, City of Omaha/Erv Portis  
Gary Hellwig, City of Plattsmouth  
Alan Byers, City of Council Bluffs  
Lyle Christensen, HDR

10:00-10:30

**Break and Tour Exhibits**

Morning Session A (cont'd)  
Collection Systems  
Moderator: Joe Dabbs

10:30-11:00

**Sanitary Sewer Capacity Assessment  
Using the U.S. EPA SSOAP Toolbox**  
Kyle Tonjes, CDM

11:00-11:30

**Utilizing Smoke Testing to Estimate  
Quantity of I&I**  
Emily Holtzclaw, CH2M Hill  
Jennifer Morales, City of Omaha

11:30-12:00

**Evaluation of Flow Equalization Basin  
Lift Stations**  
Aaron Beauclair, Tetra Tech

Morning Session B:  
Plant Upgrades  
Moderator: Amit Shrivastava

**B**

8:30-9:00

**Study Design and Construction of  
Sequencing Batch Reactors in  
Oakland, NE**  
Roger Protzman and Dane Simonsen,  
JEO

9:00-9:30

**Seward WWTP Improvements,  
Phase I**  
James Burroughs, Olsson Associates

9:30-10:00

**Wastewater Facility Improvement:  
Geodesic Domes and UV Disinfectors**  
Teresa Konda, HDR  
Chuck Thomerson, City of Columbus

10:00-10:30

**Break and Tour Exhibits**

# NWEA, APWA & AWWA 2011 Registration Information

Program	Pre-Registration	On-Site Registration
APWA	\$80*	\$90*
AWWA	\$80**	\$90**
NWEA	\$80*	\$90*
Full Conf.	\$150*	\$160*
AWWA Operators' Breakfast		\$15
NWEA Operators' Breakfast		\$15
Additional Banquet Tickets		\$30
Additional Lunch Tickets		\$15

- \* Includes Wed. lunch & banquet
- \*\* Includes Wed. lunch, banquet & Thurs. lunch
- Includes Thurs. lunch & banquet
- Includes all lunches and all banquets

## Conference Hotel Information

To guarantee a room at the conference rate, make your reservation prior to October 14, 2011. You must tell the hotel you will be attending this conference to receive the conference rate.

## Holiday Inn - Reservations Number: (308) 237-5971

Per contract room rates are \$84.95 for One - Four Persons.  
Tax not included.

## Wingate Inn - Reservations Number: (308) 237-4400

Per contract room rates are \$84.95 for One - Four Persons.  
Tax not included.

## Hampton Inn - Reservations Number: (308) 234-3400

Per contract room rates are \$84.95 for One - Four Persons.  
Tax not included.

## Continuing Education Hours

### NHHS Water Operator CEU Hours:

- Grade 1-4: AWWA Program: Up to 9 hours
- Grade 6: Extreme Backflow Knowledge: Up to 1.5 hours

### NDEQ Wastewater Operator CEU Hours:

- NWEA Program: 6.5 hours
- Additional for Top Ops Participants: 2 hours
- Show and Tell: 1 hour

# 2011 FALL CONFERENCE Pre-Registration Only

**Membership:**  NWEA  APWA  AWWA

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

Title: \_\_\_\_\_

Organization: \_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

New Member  Yes  No

Young Professional (Age 35 and under)

Yes  No

## Pre-Registration Options

	Check Selection	Banquet Selection
NWEA Conference	<input type="checkbox"/> \$80	<input type="checkbox"/> NWEA
APWA Conference	<input type="checkbox"/> \$80	<input type="checkbox"/> APWA
AWWA Conference	<input type="checkbox"/> \$80	<input type="checkbox"/> AWWA
Full Conference	<input type="checkbox"/> \$150	
NWEA Operators' Breakfast	<input type="checkbox"/> \$15	
AWWA Operators' Breakfast	<input type="checkbox"/> \$15	
Extra Banquet Tickets:		
NWEA - \$30 each X _____ =	\$ _____	
APWA - \$30 each X _____ =	\$ _____	
AWWA - \$30 each X _____ =	\$ _____	
NWEA Lapel Pin (WERF Fund) \$5	\$ _____	

## Optional Scholarship Fund Donation

(Suggested Minimum \$5) \$ \_\_\_\_\_

Organization:  NWEA  APWA  AWWA

Total Enclosed \$ \_\_\_\_\_

**Make check payable to NSAWWA & return this form with payment by October 14, 2011 to:**

HDR  
8404 Indian Hills Drive  
Omaha, NE 68114  
Attn: Kathleen Alexander

For further information contact Kathleen Alexander at  
(402) 399-1357 or kathleen.alexander@hdrinc.com  
Fax (402)399-1111

**No Refunds after Wednesday, October 26, 2011**