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NEBRASKA CHAPTER
AMERICAN PUBLIC
WORKS ASSOCIATION



NEBRASKA WATER
ENVIRONMENT
ASSOCIATION

NEBRASKA SECTION
AMERICAN WATER
WORKS ASSOCIATION



2001 FALL CONFERENCE



November 7-9, 2001
Holiday Inn
Kearney, Nebraska

Nebraska Water Environment Association
5600 South 10th Street
Omaha, Nebraska 68107
Attn: Mike Arends

APWA

Wednesday, November 7, 2001

7:30-8:30 APWA Past President's Breakfast
7:30-8:30 Registration

A.M. SESSION
MODERATOR: TERRY McARTHUR

8:30-9:20 Trenching & Shoring Safety - Part 1:
Bob Hessler, Safetyline Consulting,
Scottsbluff, NE

9:20-9:30 Break

9:30-10:00 Trenching & Shoring Safety - Part 2:
Bob Hessler-Safetyline Consulting,
Scottsbluff, NE

10:00-10:30 Break & Tour Exhibits

10:30-11:00 Trenching & Shoring Safety - Part 3:
Bob Hessler-Safetyline Consulting,
Scottsbluff, NE

11:00-11:45 Electrical Safety:
John Reid, City of Lincoln, NE

11:45-1:30 Joint APWA & NWEA Luncheon

P.M. SESSION
MODERATOR: TERRY McARTHUR

1:30-2:15 Work Zone Safety-The Police
Perspective:
Captain Joy Citta, Lincoln Police
Department, Lincoln, NE

2:15-2:25 Break

2:25-3:00 Work Zone Safety - Part 1:
Bruce Briney-City of Lincoln, NE
Brian Colson-All Road Barricades,
Lincoln, NE
Jim Gould-Tracon, Lincoln, NE

3:00-3:30 Break & Tour Exhibits

3:30-4:45 Work Zone Safety - Part 2:
Bruce Briney, City of Lincoln, NE
Brian Colson, All Road Barricades,
Lincoln, NE
Jim Gould, Tracon, Lincoln, NE

4:45-5:30 APWA Chapter & Executive Committee
Meeting

6:00-7:00 Social Hour & Tour Exhibits

7:00-8:30 APWA Banquet

NWEA

Wednesday, November 7, 2001

7:30-8:30 Registration

SESSION I
MODERATOR: BRIAN BAKKE

8:30-9:00 Methane Gas Holder Project/Inflated
Bladder System-Omaha Missouri River
Plant:
Kirk Pfeffer and Joe Dabbs,
City of Omaha, Omaha, NE

9:00-9:30 Odor Control in Collection Systems:
James Clark, WEF President, Black &
Veatch, Los Angeles, CA

9:30-10:00 Mixing Philosophy of Egg-Shaped
Digesters -Fremont, NE Case Study:
Tom Satchell, Jacobson Helgoth
Consultants, Omaha, NE and Jack Currie,
CBI Walker, Plainfield, IL

10:00-10:30 Break and Tour Exhibits

MODERATOR: DON FRANKLIN

10:30-11:00 Gibbon, NE WWTP Upgrade - Case
History:
Jim Condon, Olsson Associates,
Lincoln, NE

11:00-11:30 Design and Construction of the Stanton,
NE SBR:
Roger Protzman and Eric Obert, JEO
Consulting Group, Wahoo and
Norfolk, NE

11:30-12:00 Blower Instrumentation and Controls:
Tim Doby, Turblex, Springfield, MO

12:00-1:30 Joint APWA and NWEA Luncheon,
James Clark, WEF President

SESSION II
MODERATOR: BILL GIDLEY

8:30-9:00 Struvite Control Alternatives, Practical
Experience and New Developments:
Mario Benisch, HDR Engineering,
Portland, OR

9:00-9:30 Industrial Process vs. Storm Water
Flow - Characterizing and Designing
Pretreatment Systems at Railyards:
Chris Wolf, Jacobson Helgoth
Consultants, Omaha, NE

9:30-10:00 Metal Products and Maintenance Rules:
Robert Steiff, Amana Refrigeration,
Amana, Iowa

NWEA

10:00-10:30 Break and Tour Exhibits

MODERATOR: TONY BILEK

10:30-12:00 Vendor Presentations (15 minutes each)

Polymer Optimization:
Joe Passalacqua, Fluid Dynamics
**SCADA and Radio Tech. For Small
Communities:**

Tom Thierolf, HTM Sales
**Pipeline Repair Without Service
Interruption:**

Brett Hanes, Municipal Supply
Sewer Maintenance Equipment:
Mark Van Gundy, Municipal Pipe & Tool

AIRVAC Vacuum Sewer Basics:
Todd Olson, AIRVAC

**Aqua-Disk Tertiary Filtration/
Water Re-use:**
Craig Zack, Aqua-Aerobic Systems

12:00-1:30 Joint APWA and NWEA Luncheon,
James Clark, WEF President

1:30-3:30 Top Ops Competition (A new approach)

3:30-4:00 Break and Tour Exhibits

4:00-5:00 NWEA Business Meeting

5:00-6:00 NWEA New Member Mixer

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

7:00-9:00 NWEA Banquet

Thursday, November 8, 2001

7:30-8:30 NWEA Operator's Breakfast

7:30-8:30 AAEE Breakfast

SESSION I
MODERATOR: ERIC BERGGREN

8:30-9:00 Forming a Partnership for Watershed
Planning:
Mike Arends, City of Omaha, NE

9:00-9:30 Watershed Study for Fecal Coliform:
Lyle Christensen, HDR Engineering,
Omaha, NE

9:30-10:00 What's New at NDEQ:
Jay Ringenberg, Deputy Director of
NDEQ, Lincoln, NE

10:00-10:30 Break and Tour Exhibits

NWEA

SESSION I (Joint with AWWA)
MODERATOR: CHIP HAAS

- 10:30-11:00 **Des Moines Water Works Design/Build - Owner's Perspective:**
 Randy Beavers, Des Moines Water Works, Des Moines, IA
- 11:00-11:30 **Des Moines Water Works Design/Build - Engineer's Perspective:**
 Mike Trotter, McClure Engineering, Ft. Dodge, IA
- 11:30-12:00 **Current Trends in Design/Build:**
 Chuck Plummer, HDR Engineering, Omaha, NE
- 12:00-1:30 **Joint NWEA and AWWA Luncheon**

SESSION II
MODERATOR: JEFF FORNEY

- 8:30-9:00 **Public Education Update:**
 Todd Boling, City of Norfolk, Norfolk, NE
- 9:00-9:30 **Confined Space Entry Issues and Answers:**
 Bill Riley, City of Omaha, Omaha, NE
- 9:30-10:00 **Sampling: Methods, Protocols and Preservation:**
 Tim Burns, City of Omaha, Omaha, NE
- 10:00-10:30 **Break and Tour Exhibits**

MODERATOR: MOHAMED DAHAB

- 10:30-12:00 **University of Nebraska Research Papers Multi-Criteria Evaluation of Management Alternatives for an Urbanizing Watershed:**
 Mr. Reed Colton
- Dispersion Modeling of Air Contaminants:**
 Ms. Sensen Lin
- Transport Based Modeling of Constructed Wetlands Systems:**
 Mr. Ram Marahatta
- Side Stream Treatment of High Ammonia Sludge Decants:**
 Mr. Akram Botrous
- 12:00-1:30 **Joint NWEA and AWWA Luncheon**

Thursday, November 8, 2001

- 7:30-8:30 **Registration**
 7:30-8:30 **AAEE Breakfast**

AWWA

SESSION I
MODERATOR: DENNIS WATTS

- 8:30-9:00 **MUD Conversion to Chloramines:**
 Joel Christensen, Metropolitan Utilities District, Omaha, NE
- 9:00-9:30 **Travel Time of Surface Water into Drinking Wells - Lincoln:**
 Ingrid Verstraeten, USGS, Lincoln, NE
- 9:30-10:00 **Innovative & Emerging Technologies for Arsenic:**
 Glenn Dostal, HDR Engineering, Inc., Omaha, NE
- 10:00-10:30 **Break and Tour Exhibits**

SESSION I (Joint with NWEA)
MODERATOR: CHIP HAAS

- 10:30-11:00 **Des Moines Water Works Design/Build - Owner's Perspective:**
 Randy Beavers, Des Moines Water Works, Des Moines, IA
- 11:00-11:30 **Des Moines Water Works Design/Build - Engineer's Perspective:**
 Mike Trotter, McClure Engineering, Ft. Dodge, IA
- 11:30-12:00 **Current Trends in Design/Build:**
 Chuck Plummer, HDR Engineering, Omaha, NE
- 12:00-1:30 **Joint NWEA and AWWA Luncheon**
- 1:30-3:00 **AWWA Business Meeting/Committee Meetings**
- 3:00-3:30 **Break and Tour Exhibits**
- 3:30-5:00 **Top Ops Competition**
- 6:00-7:00 **Social Hour**
- 7:00-9:00 **AWWA Banquet**

SESSION II
MODERATOR: RICH KOENIG

- 8:30-9:00 **UV Disinfection in Water/Wastewater Treatment:**
 Tony Bilek, MC2, Inc., Omaha, NE
- 9:00-9:30 **Sanitary Survey:**
 Scott Borman, Nebraska Health & Human Services, Lincoln, NE
- 9:30-10:00 **Well Records: How & Why:**
 Rick Roberts, Lincoln Water System, Ashland, NE
- 10:00-10:30 **Break and Tour Exhibits**

AWWA

MODERATOR: LEROY KRAMER

- 10:30-12:00 **Sanitary Survey (Continued) & Cross Connection Control:**
 Rich Koenig and Scott Borman, Nebraska Health & Human Services, Norfolk, NE
- 12:00-1:30 **Joint NWEA and AWWA Luncheon**
- 1:30-3:00 **Backflow: Section 8 Update:**
 Rich Koenig, Nebraska Health and Human Services, Norfolk, NE
- 3:00-3:30 **Break and Tour Exhibits**
- 3:30-5:00 **Top Ops Competition**
- 6:00-7:00 **Social Hour**
- 7:00-9:00 **AWWA Banquet**

Friday, November 9, 2001

- 7:00-8:30 **Board Meeting**
 7:15-8:30 **AWWA Operator Breakfast Mentoring**

MODERATOR: TONY BILEK

- 8:30-9:15 **Optimizing Corrosion: Control-Treatment Alternatives:**
 Mark Dubin, Howard R. Green, Des Moines, IA
- 9:15-10:00 **Radionuclides:**
 Chris Catlin, Howard R. Green, St. Paul, MN
- 10:00-10:30 **Break and Tour Exhibits**

MODERATOR: KRISTINE RANSOLM

- 10:30-12:00 **State of the State:**
 Jack Daniel, Nebraska Health & Human Services, Lincoln, NE

**2001 - A Water Odyssey
 APWA, NWEA & AWWA 2001**

Registration Information

<u>Program</u>	<u>Pre-Registration</u>	<u>On-Site Registration</u>
APWA	\$65*	\$75*
NWEA	\$65**	\$75**
AWWA	\$65***	\$75***
Full Conf.	\$130****	\$150****

2001 - A Water Odyssey

- AWWA Operator's Breakfast \$10
 NWEA Operator's Breakfast \$10
 AAEE Breakfast Menu
 Additional Banquet Tickets \$20
- * Includes Wednesday lunch & banquet
 ** Includes Wednesday lunch, banquet & Thursday lunch
 *** Includes Thursday lunch & banquet
 **** Includes all lunches and all banquets

CONFERENCE HOTEL INFORMATION

Holiday Inn
 To guarantee a room at the conference rate, make your reservation prior to October 9, 2001. You must tell the hotel you will be attending this conference to receive the conference rate:

	<u>Holiday Inn</u>	<u>Wingate Inn</u>
Single:	\$56	\$59
Double:	\$66	\$70

Tax not included
 Toll Free Reservations number: 1-800-248-4460

CONTINUING EDUCATION HOURS

NDHHS Water Operator CEU Hours:
 Grade 1-4: AWWA Program: 8
 Additional for Top Ops Participants: 1.5

NDEQ Wastewater Operator CEU Hours:
 NWEA Program: 6.5
 Additional for Top Ops Participants: 2

**Test Yourself Against Your Colleagues
 Register for Top Ops Early!**

Please complete the following and return it with your pre-registration. If you're a full conference registrant, feel free to make a copy of the form so you can compete twice during the conference. **Monetary prizes** will be awarded to the top several teams in each competition.

Your Name: _____

Other Possible Team Members*: _____

*List up to 3 additional names. Teams and individuals may be combined to teams of up to 4.

2001 - A Water Odyssey

**2001 FALL CONFERENCE
 Pre-Registration Only**

Membership: AWWA NWEA APWA

Name: _____

Title: _____

Organization: _____

Address: _____

Phone: _____

<u>Pre-Registration Options</u>	<u>Check Selection</u>
APWA Conference	<input type="checkbox"/> \$65
AWWA Conference	<input type="checkbox"/> \$65
NWEA Conference	<input type="checkbox"/> \$65
Full Conference	<input type="checkbox"/> \$130
NWEA Operator's Breakfast	<input type="checkbox"/> \$10
AWWA Operator's Breakfast	<input type="checkbox"/> \$10
AAEE (pay at Holiday Inn)	

Extra Banquet Tickets:
 APWA - \$20 each X ____ = \$ ____

NWEA - \$20 each X ____ = \$ ____

AWWA - \$20 each X ____ = \$ ____

NWEA Lapel Pin (WERF Fund) \$5 \$ ____

Optional Scholarship Fund Donation
 (Suggested Minimum \$5)

Organization:
 AWWA APWA NWEA
 Amount \$ ____

Total Enclosed \$ ____

Make check payable to NWEA & return this form **with payment by October 23, 2001 to:**

NWEA
 c/o HDR Engineering, Inc.
 8404 Indian Hills Drive
 Omaha, NE 68114-4049
 Attn: Ron Sovo

For further information call Ron Sovo at (402-399-1335)