

# WATER UTILITY DESIGN WORKSHOP

April 1, 2010

Mahoney State Park    Near Ashland, NE    Exit 426 off I-80

- 8:15 – 8:45 a.m.      Registration
- Morning Welcome and Introductions — **Nick McElvain**, Lincoln Water System
- 9 – 9:30 a.m.            Update on Title 179, Chapter 7 Siting, Design and Construction of Public Water Systems — **Chin Chew**, Nebraska Department of Health and Human Services
- 9:30 – 10:15 a.m.      Pipe Bursting as an Alternative to Conventional Water Main Replacement Methods — **Todd Grafenauer**, Murphy Pipeline, Jacksonville, FL
- 10:15 – 10:30 a.m.     Break
- 10:30 – 11:30 a.m.     Water Distribution Pipeline Rehabilitation, Replacement vs. Rehabilitation — **Jeff Schovanec**, Metropolitan Utilities District
- 11:30 a.m. – Noon      Thrust Restraint Considerations during Replacement, Rehab and Relocation projects — **Jon Zellars**, Metropolitan Utilities District
- Noon – 1 p.m.            Lunch, Mahoney Park Buffet
- Afternoon Presiding — **Steve Owen**, Lincoln Water System
- 1:00 – 1:30 p.m.        Implementing and Practicing Asset Management for Pipelines — **Matt Carter**, WaterOne, Kansas City, KS
- 1:30 – 2 p.m.            Air Injection Retrofit to Eliminate Pump Cavitation, A Creative Solution — **Tim Luchsinger**, City of Grand Island
- 2 – 2:30 p.m.            Operating Logistics During Plant Construction and Rehabilitation Projects — **Eric Lee**, Lincoln Water System
- 2:30 – 2:45 p.m.        Break
- 2:45 – 4:15 p.m.        Lessons Learned and Case Histories
- Surge and Water Hammer Investigations and Analysis — **James Bartels**, Metropolitan Utilities District
  - Pipeline Replacement and Rehabilitation — **Chuck Thomerson**, City of Columbus; **Nick McElvain** and **Steve Owen**, Lincoln Water System
  - Pipeline Design Considerations — **Roger Coffey**, HDR Inc.

Sponsored by: Nebraska Section AWWA, APWA, Lincoln Water System, Metropolitan Utilities District

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## Registration Form

**Registration — \$50**

**Advance Registration — \$40** if registration is received by Friday, March 19

Qualifies for Professional Development Hours (PDH)  
Nebraska Water Operator Contact Hours: 5.5 CEUs

**Who should attend?** — Professional Engineers, Water Operators, Public Works and Utility Administrators

**What is included?** — morning and afternoon breaks, lunch and park entry permit

A **One-Day Park Entry Permit** is included with your registration. Tell the gatekeeper you are attending the “Pipe Design Workshop.”

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Name

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Title

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Firm

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Address

City

State

Zip

\_\_\_\_\_ Pay by check enclosed or

\_\_\_\_\_ PO # \_\_\_\_\_ with company check to follow.

**Mail:**

Water Main Design Workshop — Attn: Amy  
% PW/U — Engineering Services Division  
531 Westgate Blvd., Lincoln, NE 68528

**Fax:**

Water Main Design Workshop, Attn: Amy  
402.441.6576

**E-mail:** [acornelius@lincoln.ne.gov](mailto:acornelius@lincoln.ne.gov)

Subject: Workshop