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Nebraska Water Environment Association
Great Plains Chair: Amit Shrivastava
8404 Indian Hills Drive
Omaha, NE 68114

62nd Annual
**Great Plains Waste
Management Conference**
April 17-18, 2018

April 17, 2018

SWANA Solid Waste Training Workshop
NWEA Young Professionals
NWEA Storm Water/Water Quality
NWEA Industrial Waste/Innovative Technology Conference
Icebreaker

April 18, 2018

NWEA Collection Systems Conference
SWANA Solid Waste Management Conference
APWA Spring Conference

Embassy Suites - La Vista

12520 Westport Parkway
La Vista, NE 68128
www.embassysuitesomahalavista.com

Sponsored by

Nebraska Water Environment Association
Nebraska Cornhusker Chapter SWANA
Nebraska Chapter APWA

Conference Icebreaker

Refreshments and Networking
All Registrants Welcome!
Tuesday, April 17th, 5-7 p.m.
Embassy Suites - Windsor IV - La Vista, NE

Tuesday, April 17, 2018

SWANA: Solid Waste Training Workshop

Speaker: Neal Bolton, PE - Location: Windsor IX/X

8:00 a.m. - 5:00 p.m. (Boxed lunch included)

This exciting training workshop features nationally recognized solid waste professional Mr. Neal Bolton. Mr. Bolton has more than 38 years of experience in heavy construction, landfill and recycling operations. He has written 2 books and over 200 articles/papers, and supervised the production of 130 training/safety videos. Mr. Bolton has pioneered the use of industrial productivity improvement tools such as Six Sigma and Lean to the area of heavy equipment operation in the waste/recycling industry. The Nebraska Cornhusker chapter wishes to provide a workshop customized to the interests and needs of the Midwest area solid waste community and is currently conducting a membership survey on topics of interest. As a result, a detailed agenda will be developed to include a selection of these pertinent topics and will be posted to the conference website approximately two weeks prior to the conference. In the meantime, please register now to reserve your spot at what the Nebraska Cornhusker chapter believes will be an interesting, practical, and valuable training opportunity.

Track 1: NWEA Young Professionals

Location: Windsor VII/VIII

7:15 a.m. **Registration Opens**

8:00 a.m. **Challenges and Opportunities of Membrane Bioelectrochemical Reactors for Wastewater Treatment;** Jian Li, UNL

8:30 a.m. **Benchmarking the Electric Intensity of Small Nebraska Wastewater Treatment Facilities;** Steven Hanna, HDR

9:00 a.m. **YP Roundtable;** TBD

9:45 a.m. **Break**

Track 2: NWEA Storm Water/Water Quality

Location: Windsor VII/VIII

10:00 a.m. **From Vision to Reality - Lake James to Frontenelle Park CSO Project Provides Multiple Benefits;** Matt Schultze, PE, Black & Veatch

10:30 a.m. **Valentine Storm Sewer: Conveyance, Treatment and Funding;** Kevin Kruse, PE, JEO

11:00 a.m. **Green Infrastructure Case Studies in the Midwest: Documenting Project Successes and Creative Solutions to Poorly Functioning Systems;** Andy Szatko, City of Omaha; John O'Donnell, UNO; Steve Rodie, UNO

11:45 a.m. **Utilization of GIS for Construction Plans and Documenting;** Doug Carpenter, GBA Architects & Engineers

12:15 p.m. **Lunch Break (Not Provided)**

Track 3: NWEA Industrial Waste/Innovative Technology

Location: Windsor VII/VIII

2:00 p.m. **Water and Energy Savings While Meeting Regulatory Requirements for Ethanol Plants Using Biotrickling Filters;** Chris Duerschner, UNL

2:30 p.m. **Food Plant Sanitation Effects on Wastewater Treatment;** Brian Mulinix, PE, HDR

3:00 p.m. **MicroNiche Engineering: Achieving Very Low Levels of Phosphorous and Nitrogen Simultaneously Using an Intensified Biocatalytic Process;** Tom Dumbaugh, PE, WesTech Engineering, Inc.

3:30 p.m. **Energy Conservation for Water and Wastewater Treatment Plants;** Bob Kisler, Gardner Denver Nash

4:00 p.m. **Biogas Upgrading - Renewable Natural Gas (RNG) Options for Vehicle Fuel and Pipeline Injection;** Adam Klaas, Unison Solutions, Inc.

4:30 p.m. **The Evolution of Septage Receiving;** Gary Wesselschmidt, Huber Technology

5:00 p.m. **ICEBREAKER SOCIAL, Windsor IV**

Wednesday, April 18, 2018

Track 4: NWEA Collection Systems Conference

Location: Windsor VII/VIII

7:15 a.m. **Registration Opens**

Collection Systems

8:00 a.m. **Leveraging Advanced Technology to Streamline SSES Projects;** Andrew Conard, PE, LRA; Taylor Christmas, PE, LRA

8:30 a.m. **Backup Systems for Critical Pumping Applications;** Brian Gongol, DJ Gongol & Associates, Inc.

9:15 a.m. **Hydraulic Institute Update;** Arnie Sdano, PE, Fairbanks-Nijhuis

9:45 a.m. **35 MGD Low Flow Pump Replacement Approach and Phasing for the Little Blue Valley Sewer District;** Mike Milius, PE, Olsson Associates

10:15 a.m. **Break - University Poster Presentations**

Regulatory

10:30 a.m. **NPDES and Nebraska Water Programs Update;** Steve Goans, NDEQ; Reuel Anderson, NDEQ

11:00 a.m. **Risk Based Approach to Asset Management;** Scott Humphrey, PE, HDR

11:30 a.m. **Environmental Permitting Compliance during Construction of the Omaha CSO South Interceptor Force Main;** Kay Dry, PE, Jacobs; Bill Sigler, HDR

12:00 p.m. **Lunch (Provided), Decommissioning of OPPD's Fort Calhoun Station;** TBD, OPPD
Location: Windsor VI

Wastewater Treatment Facilities

1:15 p.m. **Challenges on Wastewater Treatment Design in Developing Countries, Case Study: Malagana, Colombia;** Susana Lizcano Gonzalez, PhD; Brittini Stephens-Yates, PE, EWB-Nebraska Chapter

2:00 p.m. **Elkhorn WWTF Evaluation;** Zach Schulz, JEO

2:30 p.m. **Using Progressive Design-Build to Achieve Consent Order Compliance Success;** Kerrie Greenfelder, PE, Burns & McDonnell

3:00 p.m. **Break - University Poster Presentations**

CSO/Wet Weather/Other

3:15 p.m. **Overview of Integrated Planning and Global Leading-Edge Green Infrastructure;** Laura Jensen Adams, Black & Veatch

3:45 p.m. **Re-launching the City of Omaha's Saddle Creek RTB Project;** John Weiland, Wade Trim

4:30 p.m. **Westside WWTP Wet Weather Improvements;** Brian D. Clow, PE, BCEE, Carollo Engineers, Inc.

5:00 p.m. **Adjourn**

Wednesday, April 18, 2018

Track 5: SWANA

Location: Windsor IX/X

- 7:15 a.m. Registration Opens**
- 8:00 a.m. Waste Characterization and Beyond;** Christine Collier, PE, SCS Engineers
- 8:30 a.m. Iowa City Food Waste Case Study;** Jennifer Jordan, City of Iowa City
- 9:00 a.m. Panel Discussion - Cardboard Ban Implementation;** Dustin Hansen, City of Sioux Falls; Jennifer Jordan, City of Iowa City; Karla Welding, City of Lincoln
- 10:15 a.m. Break - University Poster Presentations**
- 10:30 a.m. Settlement Accommodation and Implementing Efficient Landfill Grading Control;** Doug DeCesare, PE, HDR
- 11:00 a.m. Waste Not, Want Not - Maximizing Airspace Value;** Dr. John Hartwell, PE, SCS Engineers
- 11:30 a.m. Title 132 and Title 128 Rules and Regulations Update;** Jeffery Edwards, NDEQ; Erik Waiss, NDEQ
- 12:00 p.m. Lunch (Provided), Decommissioning of OPPD's Fort Calhoun Station;** TBD, OPPD
Location: Windsor VI
- 1:15 p.m. Modeling the Impacts of Organic Waste Diversion on LFG Recovery from Landfills;** Eric Sonsthagen, PE, HDR
- 1:45 p.m. Big Data - What's the Big Deal?;** Warren Humphrey, Olsson Associates
- 2:15 p.m. Zero Waste Initiatives in Nebraska Communities;** Megan Jackson, Nebraska Recycling Council
- 3:00 p.m. Break - University Poster Presentations**
- 3:15 p.m. Update on LB 1011 - Slow Down to Go Around Collection Vehicle Legislation;** Lisa Disbrow, Waste Management
- 3:45 p.m. Know Your Zone - Disposal Site Safety;** Mike Hey, Waste Management
- 4:15 p.m. Winning Hearts and Minds - Building a Safety Culture;** TBD
- 4:45 p.m. SWANA Cash Drawing (\$100, Must be present to win)**
- 5:00 p.m. Adjourn**

Wednesday, April 18, 2018

Track 6: APWA

Location: Gatsby

- 7:15 a.m. Registration Opens**
- 8:00 a.m. Big Papio Levee Culvert Repair;** Lindy Rogers, Fyra
- 8:30 a.m. Projects of an Exponentially Growing Community;** Jeff Thompson, City of Papillion
- 9:15 a.m. Asset Renewal Forecasting for Water Main Replacement;** Derek Gardels, HDR
- 9:45 a.m. Railroad Quiet Zones;** Al Schoemaker, City of Blair; Rich Haden, FHU
- 10:15 a.m. Break - University Poster Presentations**
- 10:30 a.m. Urban Drainage Way Studies;** Ben Higgins, City of Lincoln; J.D. Johnson, JEO
- 11:00 a.m. Watershed Management Plans;** Tim Zach, City of Lincoln; Mark Meyer, Intuition and Logic, Lower Platte South NRD
- 11:30 a.m. 56th and Morton Street Drainage Improvement Project;** Ben Higgins, City of Lincoln; Kevin Kruse, JEO, Lower Platte South NRD
- 12:00 p.m. Lunch (Provided), Decommissioning of OPPD's Fort Calhoun Station;** TBD, OPPD
Location: Windsor VI
- 1:15 p.m. Using "Think Tank" to Prioritize Solid Waste Education and Outreach;** Kent Holm, Douglas County
- 2:00 p.m. Blair Sanitary Sewer Study;** Angel Lowery, Gonzalez
- 2:30 p.m. Central Nebraska Regional Airport Sanitary Sewer Study;** Chris Koenig, HDR
- 3:00 p.m. Break - University Poster Presentations**
- 3:15 p.m. Omaha Snow Removal;** Austin Rowser, City of Omaha
- 3:45 p.m. North Canadian River Restoration;** Rick Besancon, Burns & McDonnell
- 4:30 p.m. Horizontal Collector Wells for Development of Resilient Water Supplies;** Luca DeAngelis, Burns & McDonnell
- 5:00 p.m. Adjourn**

IMPORTANT CONFERENCE INFORMATION

Payment/Checks

Make all checks payable to the Nebraska Water Environment Association (NWEA). Refunds will not be given for those who pre-register and do not attend.

Sponsor Contribution

If you or your company wishes to help defray the cost of the Icebreaker, for sponsorship opportunities please contact:

Scott Bundy
HDR
8404 Indian Hills Drive
Omaha, NE 68114
scott.bundy@hdrinc.com

Hotel Accommodations

Embassy Suites - Group Rate: \$129

Address: 12520 Westport Parkway, La Vista, NE 68128
Phone: 402-331-7400 or 1-800-EMBASSY
Mention Group Code: "NW4"
Reserve by 3/23/18

Courtyard by Marriott - Group Rate: \$109

Address: 12560 Westport Parkway, La Vista, NE 68128
Phone: 402-339-4900
Mention Group Code: "NWER"
Reserve by 3/23/18

University Poster Session

University of Nebraska students will be displaying research posters on Wednesday.

NWEA Scholarship

NWEA endows a fund offering a minimum of \$2,000 per year in scholarships for full time university students and/or for continuing education of members. Donations are greatly appreciated.

Continuing Education

Wastewater Operator:

- *NE Municipal Wastewater Operators: Wed. - 7 hrs.
- *Tue. Conference - 2 hrs.

Solid Waste: SWANA Credits

- *Wed. Conference - 7 CEUs
- *Tue. Facility Tours - 4 CEUs

*CEU Credits identified are preliminary estimates

Questions

Contact Conference Chair Amit Shrivastava:
Phone: 402-926-7122 or Email: amit.shrivastava@hdrinc.com

PRE-REGISTRATION FORM

Register online with credit card payment
www.nebwea.org → Training → Conferences

RETURN COMPLETED FORM BY APRIL 11, 2018 TO:

Scott Bundy
HDR
8404 Indian Hills Drive
Omaha, NE 68114

Name: _____

Organization: _____

Address: _____

Phone: _____

Email: _____

Check ONE Affiliation Box:

- Water Environment Association
- Solid Waste Industry
- American Public Works Association

Check ALL That Apply:

- All Tracks (1-6) **\$100.00** (On-site \$110.00)
Both Days: NWEA, SWANA, APWA
(Does not include Tuesday SWANA Training)
- Adder **\$170.00** (On-site \$180.00)
Tuesday SWANA Training
(Boxed lunch included)
- NWEA Scholarship Donation \$ _____

Total Enclosed..... \$ _____

Checks Payable to NWEA