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Nebraska Water Environment Association
Scott Bundy
1917 S. 67th St.
Omaha, NE 68106

63rd Annual
**Great Plains
Waste Management Conference**
April 17-18, 2019

April 16, 2019

NWEA Board Retreat 9:00 a.m.–3:00 p.m.
NWEA YP Committee Community Service Project and Social 3:00 p.m.

April 17, 2019

SWANA Facility Tours - See Schedule
NWEA Young Professionals - Dapper II/III
NWEA Stormwater/Water Quality - Dapper II/III
NWEA Industrial Waste/Innovative Technology - Dapper II/III
Icebreaker Social- Windsor VI

April 18, 2019

NWEA Collection Systems Conference - Dapper II/III
SWANA Solid Waste Management Conference - Dapper I
APWA Nebraska Chapter Spring Conference - Gatsby

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

Icebreaker Social

Refreshments, Appetizers, and Networking
All Registrants Welcome!
Wednesday, April 17th, 5:00–7:00 p.m.
Embassy Suites - Windsor VI - La Vista, NE

Wednesday, April 17, 2019

7:15 a.m. **REGISTRATION OPENS**

SWANA Facility Tours

Tours are an additional fee and available on a first registered, first served basis. Lunch will be provided.

Closed toe shoes are REQUIRED for admission to all facilities.

7:45 a.m. **Board Bus:** Leave Embassy Suites promptly at 8:00 a.m.

Tour includes the following*:

- **NatureWorks - Cargill;** Blair, NE
- **Butler County Landfill;** David City, NE

*Other tour stops may be added

5:00 p.m. **Return to Embassy Suites**

Track 1

NWEA Young Professionals

Location: Dapper II/III

8:00 a.m. **Engineering Ethics - "Has This Ever Happened to You";**

Todd Weidemann & Bruce Smith, Woods & Aitken LLP

9:00 a.m. **Women in Engineering - Changing the Industry and Promoting Diversity and Inclusion;**

Sarah Espinosa & Allison Morris, Burns & McDonnell

9:45 a.m. **BREAK**

Track 2

NWEA Stormwater/Water Quality

Location: Dapper II/III

10:00 a.m. **Quantifying the Contribution of Environmental Sources in Antelope Creek Under Dry/Wet-Weather Conditions;**

Dr. Xu Li, University of Nebraska Lincoln

10:30 a.m. **Platte River Flows Re-timing for Endangered Species (Sturgen, Plover, Tern);** Rick Wilson, JEO

11:00 a.m. **Identifying and Managing the Real Risk Along Streams: Cole Creek Watershed Study;** Nick Sutko, Jacobs

11:45 a.m. **Microbial Source Tracking Around Lake Ontario;**

Zach Staley, University of Nebraska Lincoln

12:15 p.m. **LUNCH (NOT PROVIDED)**

Track 3

NWEA Industrial Waste/Innovative Technology

Location: Dapper II/III

1:45 p.m. **Enhanced and Simple Wet-Weather Treatment with Pile Cloth Media Filtration;**

Steve Stanish, Aqua-Aerobic Systems, Inc.

2:15 p.m. **Class A Biosolids Produced with Closed Alkaline Process;**

Kevin Bauer, Schwing Bioset

2:45 p.m. **Industrial Compact Primary Treatment Solutions;**

Matthew Bokenkroger, Hydro International

3:15 p.m. **BREAK**

3:30 p.m. **Washwaterless Fine Screening in Industrial Applications;**

Jim O'Leary, OR-TEC, Inc.

4:00 p.m. **Phosphorus Recovery and Upcycling in the Utility of the Future;** Menachem Tabanpour, CNP Airprex

4:30 p.m. **Food-grade Oil Wastewater Treatment Expansion and Startup Experiences;** Brian Mulinix, HDR

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

Thursday, April 18, 2019

Track 4

NWEA Collection Systems Conference

Location: Dapper II/III

7:15 a.m. **REGISTRATION OPENS**

Collection Systems

8:00 a.m. **GIS Reconciliation for Sanitary Sewer Modeling;**

Scott Humphrey, HDR

8:30 a.m. **Proven Innovation in Wet-Weather Treatment Strategies and Technologies;**

Jim Fitzpatrick, Black & Veatch

9:15 a.m. **Revenge of the Mole People: The Hazards of Going Below the Surface and How to Avoid Them by Design;**

Brian Gongol, DJ Gongol & Associates

9:45 a.m. **Sarpy County & Cities Wastewater Agency and Phase 1A Implementation;**

Leanne Zietlow & Joe Roberts, HDR

10:15 a.m. **BREAK - UNIVERSITY POSTER PRESENTATIONS**

Regulatory

10:30 a.m. **4-State Government Affairs Update;**

Derek Gardels, NWEA

11:00 a.m. **A Workforce Transition: How to Assure Water Infrastructure Quality;**

Jim Wathen, NICET

11:30 a.m. **Water Quality Updates and Lessons Learned;**

Dan LeMaistre, NDEQ

12:00 p.m. **LUNCH (PROVIDED) - LOCATION: WINDSOR VI**

Speakers: Ken Sittler & Jim Weber, USSTRATCOM

Wastewater Treatment

1:15 p.m. **North Liberty's Membrane Bioreactor & Nutrient Reduction Expansion Project;**

Jennifer Ruddy, FOX Engineering Associates, Inc.

2:00 p.m. **Utilizing Innovative Tactics and Trenchless Technology to Restore Critical Infrastructure at Omaha MRWRRF;**

Matthew Hubel, Schemmer

2:30 p.m. **Improving Energy Efficiency in Wastewater Treatment by Using DOE and UNL Benchmarking Tools;**

Bruce Dvorak & Sam Gormley, University of Nebraska Lincoln

3:00 p.m. **BREAK - UNIVERSITY POSTER PRESENTATIONS**

CSO/Wet-Weather/Other

3:15 p.m. **Upgrading a Digester Facility to Improve Stabilization of Biosolids and Maximize Gas Production;**

Suzie Carpenter, Black & Veatch

3:45 p.m. **Benefits of Adsorption Upstream of Primary Clarification to Reduce Energy Consumption and Increase Energy Production;**

Jeremy Lay, Bartlett & West

4:30 p.m. **NWEA Communications Update;**

Brittini Stephens-Yates & Shawn Ovenden, NWEA

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

Thursday, April 18, 2019

Track 5	SWANA Solid Waste Management Conference <i>Location: Dapper I</i>
7:15 a.m.	REGISTRATION OPENS
8:00 a.m.	Omaha Waste Collections; Jim Theiler & James Kee, City of Omaha Michael Miller, SCS Engineers
8:45 a.m.	Butler County Landfill Siting for Expansion; Kelly Danielson, Waste Connections
9:15 a.m.	Reduction of Landfill Gas Through an Intermediate Cover with a Coextruded EVOH Geomembrane; Dr. Jongwan Eun, University of Nebraska Lincoln
9:45 a.m.	Mount Trashmore - Transformation to Trails & Overlook; Luke Cunningham, HDR
10:15 a.m.	BREAK - UNIVERSITY POSTER PRESENTATIONS
10:30 a.m.	AMPT It Up! Employee Recognition Strategy; Donna Garden, City of Lincoln
11:00 a.m.	City of Lincoln Four Season Waste Sort; Christine Collier, SCS Engineers
11:30 a.m.	NDEQ Update; Jeff Edwards & Erik Waiss, NDEQ
12:00 p.m.	LUNCH (PROVIDED) - LOCATION: WINDSOR VI Speakers: Ken Sitrler & Jim Weber, USSTRATCOM
1:15 p.m.	Unique Safety Risks for Field Operations at Solid Waste Facilities; Jeff Phillips, Barker Lemar Engineering Consultants
1:45 p.m.	Remedial Action for Residential Wells; Jason Byler, Olsson
2:15 p.m.	Illegal Tire Dumping in Rural Lancaster County; Willa DiCostanzo, Keep Lincoln and Lancaster County Beautiful
3:00 p.m.	BREAK - UNIVERSITY POSTER PRESENTATIONS
3:15 p.m.	Sarpy County Renewable Natural Gas Plan; Greg MacLean, BioResource Development, LLC
3:45 p.m.	UPLINK: A Useful Tool; Lin Quenzer, City of Lincoln
4:15 p.m.	Understanding Industrial Resource Management and Its Role in the Future of Sustainability; Jack MacLean, Casella Resource Solutions
4:45 p.m.	SWANA Cash Drawing; \$100, Must be present to win
5:00 p.m.	Adjourn

Thursday, April 18, 2019

Track 6	APWA Nebraska Chapter Spring Conference <i>Location: Gatsby</i>
7:15 a.m.	REGISTRATION OPENS
8:00 a.m.	Benefits of Roundabouts; Mike Piernicky, Olsson
8:30 a.m.	City of Papillion/PMRNRD Levee Certification Process; Lindy Rogers, FYRA Engineering
9:15 a.m.	Professional Ethics & Legal Issues in the Engineering and Construction Industries; Brent Meyer, Husch Blackwell LLP
10:15 a.m.	BREAK - UNIVERSITY POSTER PRESENTATIONS
10:30 a.m.	City of Blair and Washington County Rural Water System Pump Station Upgrade Project; Al Schoemaker, City of Blair Zach Nelson, PMRNRD
11:00 a.m.	Utilizing LiDar: Technology Based Solutions for Public Works Projects; William Knight & Whitney Lynn, Wilson & Company
11:45 a.m.	APWA Nebraska Chapter Awards Submittal Process; Gayle Sturdivant & Austin Rowser, APWA Awards Committee
12:00 p.m.	LUNCH (PROVIDED) - LOCATION: WINDSOR VI Speakers: Ken Sitrler & Jim Weber, USSTRATCOM
1:15 p.m.	A Risk Based Approach to Sewer System Maintenance; Wes Farrand & Brett Paige, Snyder & Associates
2:00 p.m.	Lower Platte River Drought Mitigation Plan; John Engel, HDR Paul Woodward, PMRNRD
2:30 p.m.	Water Interconnectivity Study (City of Lincoln and Metropolitan Utilities District); Donna Garden, City of Lincoln Dave DeBoer, Metropolitan Utilities District
3:00 p.m.	BREAK - UNIVERSITY POSTER PRESENTATIONS
3:15 p.m.	168th Street Dodge to Maple Construction Success Story; Jeff Babcock, City of Omaha
3:45 p.m.	33rd and Cornhusker Project - Visualize the Bigger Picture; Roger Figard, RTSD Stacey Roach, Olsson Taylor Plummer, Ochsner Hare + Hare the Olsson Studio
4:30 p.m.	National Emergency Management Technical Committee Update and Roundtable; Vicki Twerdochlib, HDR
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 preregister and do not attend.

Sponsor Contribution

If you wish to help defray the cost of the Icebreaker Social, please contact Scott Bundy for sponsorship opportunities:
Phone: 402.399.1357
Email: scott.bundy@hdrinc.com

Hotel Accommodations

Embassy Suites - Group Rate: \$139
Address: 12520 Westport Parkway, La Vista, NE 68128
Phone: 402-331-7400 or 1-800-EMBASSY
Mention Group Code: "NE9"
Reserve by 3/15/19

Courtyard by Marriott - Group Rate: \$119
Address: 12560 Westport Parkway, La Vista, NE 68128
Phone: 402-339-4900
Mention Group Code: "NWER"
Reserve by 3/15/19

University Poster Session

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

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:
*Wednesday Conference - 2 hrs.
*NE Municipal WW Operators: Thursday - 7 hrs.

Solid Waste: SWANA Credits
*Wednesday Facility Tours - 4 CEUs
*Thursday Conference - 7 CEUs
*CEU Credits identified are preliminary estimates

Questions

Please contact Conference Chair Blake Birkel:
Phone: 402.392.9930
Email: bbirkel@jeo.com

Registration Form

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

RETURN COMPLETED FORM BY APRIL 9, 2019 TO:

Scott Bundy
HDR
1917 S. 67th St.
Omaha, NE 68106

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)\$120.00 (On-site \$130.00)
Both Days: NWEA, SWANA, APWA
(Does not include Wednesday SWANA Facility Tours)

Adder \$60.00 (On-site \$75.00)
Wednesday SWANA Facility Tours

NWEA Scholarship Donation \$ _____

Total Enclosed.....\$ _____

Checks Payable to NWEA