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**PAID**  
Omaha, NE  
Permit No. 1055

# 61<sup>st</sup> Annual Great Plains Waste Management Conference

**April 18, 2017**

SWANA Facility Tours  
NWEA Young Professionals MRWWTP Tour  
NWEA Industrial Waste/Innovative Technology Conference  
NWEA Storm Water/Water Quality Conference  
Icebreaker

**April 19, 2017**

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

## Embassy Suites – La Vista

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

## Sponsored by

NWEA Water Environment Association  
Nebraska Cornhusker Chapter SWANA  
Nebraska Chapter APWA  
  
Iowa Water Environment Association  
University of Nebraska College of Engineering

## Conference Icebreaker

Refreshments and Networking  
All Registrants Welcome!  
**Tuesday, April 18<sup>th</sup>, 5 – 7 p.m.**  
Embassy Suites – Windsor IV – La Vista, NE

**Tuesday, April 18, 2017**

### 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**

- 7:30 a.m. Registration at Embassy Suites  
7:45 a.m. Board Bus; Leave Embassy Suites promptly at 8:00 a.m. Tour includes the following (and more):
- **Novozymes;** Blair, NE
  - **Sarpy County Landfill;** Springfield, NE
  - **Waste Connections Transfer Station;** Springfield, NE
  - **Trillium/STRK CNG Fueling Station;** LaVista, NE
- 5:00 p.m. Return to Embassy Suites

### Track 1: NWEA Young Professionals

- 7:15 a.m. Registration Opens  
8:00 a.m. Missouri River WWTP Tour

### Track 2: NWEA Storm Water/Water Quality Location: Dapper I/II

- 10:00 a.m. Field Monitoring Programs to Better Understand Green Infrastructure; Andy Szatko, City of Omaha and Mitch Klein, P.E., Burns & McDonnell
- 10:30 a.m. Use of Emerging Genotyping Tools for Source Identification of Fecal Indicator Bacteria in Rural and Urban Watersheds; Dr. Xu Li, UNL
- 11:00 a.m. Flood Resiliency at the Cedar Rapids Water Pollution Control Facility; Michael Butterfield, HDR
- 11:45 a.m. Lunch Break (Not Provided)
- 1:00 p.m. Monitoring Stream Changes for Impacts from Combined Sewers in the Missouri River near Omaha, Nebraska; Matt Moser, USGS and Pat Nelson, CH2M
- 1:30 p.m. Integrating Gray and Green Infrastructure to Provide Multiple Benefits for the Outfall 66/67 Project, Kansas City, MO; Brian Clow, P.E., BCEE, Carollo Engineers
- 2:00 p.m. Break

### Track 3: NWEA Industrial Waste/Innovative Technology Location: Dapper I/II

- 2:15 p.m. Wastewater Pretreatment at a Pizza Topping Manufacturing Plant; Greg Sindt, Bolten & Menk and James Stevens, Burke Corporation
- 2:45 p.m. Cargill Malt; Darren Jack, HDR
- 3:15 p.m. Post Aerobic Digestion Process: A Simple but Comprehensive Biosolids Management Process; Bryen Woo, Ovivo
- 3:40 p.m. Ostara Nutrient Recovery Technology Solves Phosphorous Management Challenges; Jon Harger, Vessco
- 4:05 p.m. Non-Contact UV Disinfection; A Comparison and Review of the Technology and Applications for Small WWTP Use; Steve Squires, Enaqua
- 4:30 p.m. A Progressive and Unique Biological System to Save Footprint and Enhance Treatment; Susan Pilgrim, Parkson Industrial

5:00 p.m. ICEDBREAKER SOCIAL, Windsor IV

**Wednesday, April 19, 2017**

### Track 4: NWEA Collection Systems Conference

*Location: Dapper I/II*

7:15 a.m. Registration Opens

### Collection Systems

- 8:00 a.m. System-Wide Collection Model Provides Adaptive Management Tool for Decision Makers and Operators; Emily Holtzclaw; Nick Sutkol; Perrin Niemann, CH2M and Jim Theiler, City of Omaha
- 8:30 a.m. Implementation of Improvements to the Turkey Creek Wastewater Pump Station; Suzie Carpenter, CDM Smith and Bon Marie Gardner, KCMO
- 9:15 a.m. Grand Island's Water Resource and Recovery Facility and Collection System Ten Year Capital Improvement Plan; Marvin Strong and Tara Bevard, City of Grand Island
- 9:45 a.m. Lift Station Measurement and Control; Brian Gongol, DJ Gongol & Associates
- 10:15 a.m. Break – University Poster Presentations

### Regulatory

- 10:30 a.m. 4 – State Update; Gary Brandt, KMA
- 11:00 a.m. Industrial Storm Water General Permit and How it Applies to POTWs; Reuel Anderson, NDEQ
- 11:30 a.m. NDEQ Update; TBD
- 12:00 p.m. Lunch (Provided), Speaker TBD  
*Windsor I-IV*

### Wastewater Treatment Facilities

- 1:15 p.m. WAS Thickening Alternatives Evaluation – Lincoln Theresa Street WRRF; Jeremy Walker, P.E., Olsson Associates
- 1:45 p.m. Sampling and Modeling to Define Design Criteria for Des Moines Metro WRA Grit Removal Facilities; Robbie Baker, P.E., Fox Engineering
- 2:15 p.m. Planning for Nutrient Removal – Six at a Time; Jeff Keller, Burns & McDonnell
- 3:00 p.m. Break – University Poster Presentations

### CSO/Other

- 3:15 p.m. Burlington, IA – MASL Basin Combined Sewer Separation; Matt Wildman, HR Green
- 3:45 p.m. Water is Worth it; Dave Dechant, P.E., HDR
- 4:30 p.m. KCMO – Reducing CSOs Through In-Line Storage Organization; Charlie Sievert, Black & Veatch
- 5:00 p.m. Adjourn

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

**Wednesday, April 19, 2017**

Track 5: SWANA <i>Location: Dapper III</i>	
7:15 a.m.	Registration Opens
8:00 a.m.	The New SWANA – What’s New, What’s Next; David Biderman, SWANA
8:40 a.m.	NDEQ and Growing Nebraska – Outcomes for the Future; Jim Macy, NDEQ
9:15 a.m.	Safety – How to Reduce Accidents and Injuries; David Biderman, SWANA
10:15 a.m.	Break – University Poster Presentations
10:30 a.m.	LB 1101 – Solid Waste Management Study Update; David Haldeman, NDEQ
11:00 a.m.	Regulatory Updates for Municipal Solid Waste Landfills; Chris Schwarz and Carrie Wiese, NDEQ
11:30 a.m.	Solid Waste Regulatory Q&A; Erik Waiss, NDEQ
12:00 p.m.	Lunch (Provided), Speaker TBD <i>Windsor I-IV</i>
1:15 p.m.	Preventing, Identifying, and Mitigating Landfill Fires and Elevated Temperature Landfills; James Walsch, P.E., BCEE, SCS Engineers
2:00 p.m.	The Challenges of Storm Water Control at Landfills; Doug DeCesare, P.E., HDR
2:30 p.m.	Unique Groundwater Remediation Controls for Unlined Landfill Cells; Michael Classen, P.E., HDR
3:00 p.m.	Break – University Poster Presentations
3:15 p.m.	Vertical Expansion Case Study; Anthony Gill, L.P., Gill, Inc. and Joel Stenberg, P.E., SCS Engineers
3:45 p.m.	Driving Omaha Natural; Kyle Bowman, Metropolitan Utilities District
4:15 p.m.	Problem Material Management; Dale Gubbels, Firstar Fiber Corporation
4:45 p.m.	SWANA Cash Drawing \$100 - Must be present to win
5:00 p.m.	Adjourn

**Wednesday, April 19, 2017**

Track 6: APWA <i>Location: Gatsby</i>	
7:15 a.m.	Registration Opens
8:00 a.m.	Planning for the Future: Alternative Water Supplies; Jake White, Burns & McDonnell
8:30 a.m.	Papillion Creek Hydrology; Mike Sotak and Bob Gregalunas, FYRA
9:15 a.m.	An Overview of Trenchless Methods and Recent Advances for Gravity Sewer Installation; Robert Martin, CH2M
9:45 a.m.	Waverly Nitrate Study; Rick Wilson, JEO
10:15 a.m.	Break – University Poster Presentations
10:30 a.m.	Omaha Snow Removal Plan; Austin Rowser, City of Omaha
11:00 a.m.	Airport Whitetopping; Diane Hofer, Olsson Associates
11:30 a.m.	Diverging Diamont Interchange in Lincoln; Mike Piernicky, Olsson Associates
12:00 p.m.	Lunch (Provided), Speaker TBD <i>Windsor I-IV</i>
1:15 p.m.	Maximize Your Infrastructure with In Place Recycling; Stephen Cross, Oklahoma State/ARRA
1:45 p.m.	Planning for Automated Vehicles in Omaha-Council Bluffs; Greg Youell, MAPA and Jason Carbee, HDR
2:15 p.m.	Nebraska City Whitetopping Project; Jeff Sockel and Tim O’Bryan, Benesch
3:00 p.m.	Break – University Poster Presentations
3:15 p.m.	Blair Water Study; Chris Koenig, HDR and Al Schoemaker, City of Blair
3:45 p.m.	Pavement Condition Evaluation and Pavement Management; Jerod Goss, Snyder
4:30 p.m.	Blair Water Source Study; Rick Besancon, Burns & McDonnell and Al Schoemaker, City of Blair
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 Engineering, Inc.  
 8404 Indian Hills Drive  
 Omaha, NE 68114  
 scott.bundy@hdrinc.com*

**Hotel Accommodations**

**Embassy Suites – Conference Hotel (includes breakfast)**  
 12520 Westport Parkway  
 La Vista, NE 68128  
 402-331-7400 or 1-800-EMBASSY  
 Group Code “NWEA”  
 Reserve by 3/25/17 – Conference Group Rate: \$129

**Courtyard by Marriott**

12560 Westport Parkway  
 La Vista, NE 68128  
 402-339-4900  
 Group Code “NWEA”  
 Reserve by 3/25/17 – Conference Group Rate: \$109

**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 at 402-926-7122 or amit.shrivastava@hdrinc.com

**PRE-REGISTRATION FORM**

Register online with credit card payment at  
**WWW.NEBWEA.ORG**

**RETURN COMPLETED FORM BY APRIL 12, 2017 TO:**

Scott Bundy  
 HDR Engineering, Inc.  
 8404 Indian Hills Drive  
 Omaha, NE 68114

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

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

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

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

**Email:** \_\_\_\_\_

**Check ONE Affiliation Box:**

- Nebraska Water Environment Association
- Solid Waste Industry
- APWA

**TUESDAY & WEDNESDAY CONFERENCE FEES**

**Check ALL That Apply:**

- ALL TRACKS (1-6) ..... \$100.00**  
 Both Days; NWEA, SWANA, & APWA .....(Onsite \$110.00)  
 (Does **NOT** include SWANA Facility Tours)
- ADDER - SWANA Tour..... \$60.00**  
 Tuesday SWANA Facility Tours .....(Onsite \$75.00)
- NWEA Young Professionals MRWWTP Tour\***  
 Select if you are interested in attending the NWEA YP Missouri River WWTP tour on Tuesday the 18<sup>th</sup> 8 – 10 a.m.  
 \* **If you plan to attend the NWEA YP MRWWTP Tour, will you require transportation?**     YES     NO

**NWEA Scholarship Fund ..... \$** \_\_\_\_\_

**Total Enclosed ..... \$** \_\_\_\_\_  
*Checks Payable to NWEA*