



WHO SHOULD ATTEND?

Wastewater treatment operations and maintenance personnel, utility directors, researchers, engineers, students, compliance regulators, and environmental consultants.

ADMISSION

\$160 VWEA Members
\$195 Non-Members
After April 19: \$195 (all attendees)
\$375 Exhibitors Booth (with 2 attendees)

Complimentary Registration for Full-Time Students!

Valid Student ID required at check-in.

HOTEL RESERVATIONS

Hilton Richmond Hotel & Spa/Short Pump
12042 West Broad Street
804.364.3600

Block Rate through April 19: \$139

Request VWEA17 to reserve in the Hotel Block

QUESTIONS?

Laurissa Cubbage
Education Chair
804.204.2407
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REGISTER ONLINE:

Visit www.vwea.org
Find under "Upcoming Events"

2017 VWEA Education Seminar:

Collaborative Biosolids: Fuel for Thought

May 10-11, 2017

Hilton Richmond Hotel & Spa/Short Pump, Richmond, VA

SEMINAR HIGHLIGHTS

Expertise. National experts, facility staff and consultants will share current trends in the evolving biosolids industry, including how to prepare for challenges facing the industry today and how these challenges are driving innovation and redefining how we utilize biosolids, optimize processes, and recover resources.

Networking. 150-200 attendees are expected. Meet the speakers at a complimentary reception and network with peers and promising student engineers.

Education. Receive up to 6 CPEs.



2017 VWEA Education Seminar SEMINAR PROGRAM

WEDNESDAY, MAY 10

4:30 to 7:00 pm Registration

5:00 to 7:00 pm Complimentary Reception: Exhibit Hall
All attendees are invited to meet with the seminar speakers and exhibitors at this pre-seminar reception (cash bar)

THURSDAY, MAY 11

8:00 to 3:30 pm Registration

8:00 to 8:25 am Breakfast: Exhibit Hall

8:00 to 3:30 pm Exhibits

8:25 am Welcome

Eddie Abisaab, *President VWEA*

KEYNOTE SESSION

SPEAKER(S)

8:30 to 9:30 am R2E2: How a Biosolids Project Ignited the Transformation of a Utility

Tom Sigmund, *New Water (Green Bay)*

9:30 to 10:00 am Biosolids Regulatory Update ^{*CREDIT}

Justin Curtis, *AquaLaw*

10:00 to 10:30 am Morning Break: Exhibit Hall

MORNING GENERAL SESSION

SPEAKER(S)

10:30 to 11:00 am Advancing Resource Recovery from Biosolids & Biosolids as a Resource ^{*CREDIT}

Christine Radke, *WE&RF*

Planning for Sustainable Resource Recovery Programs ^{*CREDIT}

Panel Discussion Participants:

- 11:00 to 12:00 am
- John Dano, *HRSD*
 - Sharon Foley, *Harrisonburg Rockingham Regional Sewer Authority*
 - Mike McGrath, *Fairfax County*
 - Mary Strawn, *Arlington County*

Panel Moderator:

Lori Stone, *LA Stone LLC*

12:00 to 1:30 pm Lunch: Exhibit Hall

*CREDIT = CPE WASTEWATER OPERATOR CREDITS

THURSDAY, MAY 11 (cont.)

SESSION A: NOT JUST FOR FERTILIZER (ALTERNATIVE USES OF BIOSOLIDS)		SPEAKER(S)
1:30 to 2:15 pm	Biosolids Dryer Technologies, Product Types & Market Value *CREDIT	Todd Williams, CH2M
2:15 to 2:45 pm	How the City of Lebanon, Tennessee Implemented Gasification for Biosolids Disposal and Power Generation *CREDIT	Jeff Snyder, PHG Energy
2:45 to 3:15 pm	Thermal Conversion to Energy and Biochar Provides a Secure, Long-Lasting Biosolids Management Solution *CREDIT	Steve Wirtel, Kore Infrastructure
3:15 to 3:45 pm	Afternoon Break: Exhibit Hall	
3:45 to 4:30 pm	Upgrading Atlantic Treatment Plant's Digestion System for Thermal Hydrolysis Adds Flexibility and Longevity to HRSD Biosolids Management	Chris Wilson, HRSD
4:30 to 5:00 pm	Biosolids Composting Produces a Marketable Product *CREDIT	Doug Crooks, Spotsylvania County
5:00 PM	Thank you and Adjourn!	Moderator Session A

SESSION B: MINING FOR BLACK GOLD (NUTRIENT & ENERGY RECOVERY)		SPEAKER(S)
1:30 to 2:15 pm	Green Energy Facility at Frederick Winchester, VA *CREDIT	Jesse Moffett, Frederick Winchester Service Authority
2:15 to 2:45 pm	Power or Fuel: Renewable Natural Gas a Feasible Alternative	Trung Le, Greeley and Hansen
2:45 to 3:15 pm	Kenosha's Energy Optimized Resource Recovery System	Joe Hughes, PE, Centrisys
3:15 to 3:45 pm	Afternoon Break: Exhibit Hall	
3:45 to 4:30 pm	City of Raleigh's Bioenergy Recovery Project & Sidestream Treatment *CREDIT	Erika Bailey, City of Raleigh
4:30 to 5:00 pm	Applying Extractive Nutrient Recovery for Managing Phosphorus in Sidestreams and Biosolids *CREDIT	Ron Latimer, Hazen and Sawyer
5:00 PM	Thank you and Adjourn!	Moderator Session B

SESSION C: MAKING YOUR GOOD, BETTER! (PROCESS OPTIMIZATION)		SPEAKER(S)
1:30 to 2:15 pm	Advances in Dewatering Understanding and Enhancement Technologies	
2:15 to 2:45 pm	Lessons Learned: FOG Receiving, Pretreatment & Anaerobic Codigestion at Derry Township Municipal Authority *CREDIT	Wayne Schutz, Derry Township Municipal Authority
2:45 to 3:15 pm	Rethinking Anaerobic Digestion to Complement 21st Century Drivers	Dr. Bill Barber, Cambi
3:15 to 3:45 pm	Afternoon Break: Exhibit Hall	
3:45 to 4:30 pm	Constellation Change: How Nutrient Removal, Resource Recovery, & Energy Neutrality Move Solids Treatment to the Center of Treatment Universe	Mario Benisch, HDR
4:30 to 5:00 pm	Innovation Through Demonstration Projects: A Framework for Utilities *CREDIT	Lori Stone, LA Stone LLC
5:00 PM	Thank you and Adjourn!	Moderator Session C

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