

Connecticut[★] Biosolids

still revolutionary

The Northeast Residuals & Biosolids Conference

October 12 & 13, 2016

Hotel Radisson

Cromwell, Connecticut



“On to Cromwell!”

Someday, wastewater & biosolids historians may look back on 2016 as a harbinger of a revolution in solids management in the Northeast. And Connecticut – the “still revolutionary state” – is the epicenter. That’s why this conference is here, in Cromwell, this year.

Final Conference Program

WEDNESDAY, OCTOBER 12, 2016

OPTIONAL FACILITY TOURS:

8:00 – 9:30 am Metropolitan District Hartford Water Pollution Control Plant & Energy Recovery System

10:00 – 11:00 am Southington Water Pollution Control Facility

Facility tours are optional. Directions provided, but transportation is not.

All of the following events are at the Radisson Hotel, 100 Berlin Road, Cromwell, Connecticut

11:30 am NEBRA 17th ANNUAL MEETING & LUNCHEON (NEBRA members/potential members)

12:00 pm CONFERENCE REGISTRATION / EXHIBITS (lunch is on your own)

1:00 pm WELCOME & OPENING REMARKS

- Mark Young, NEBRA President

1:15 SESSION 1: SOILS & SOLIDS & PLANNING

Moderator: Nancy L. Van Nest, Klavens Law Group, P.C.

- Organic Waste in Urban Agriculture: The New York City Clean Soil Bank Pilot Study, *Sara Perl Egendorf, The New York City Urban Soils Institute / Brooklyn College / The CUNY Graduate Center*
- Biosolids Stabilization in Concord, New Hampshire - So Where Do We Go From Here? – *Chris Dwinal, Wright-Pierce*
- An Update on New York City Biosolids Management - *Timothy Ellis, NY City Department of Environmental Protection*

2:45 – 3:15 BREAK / EXHIBITS

3:15 SESSION 2: INCINERATION – CURRENT STATUS

Moderator: Isaiah Lary, Lewiston-Auburn (ME) Water Pollution Control Authority

- The Impact of New Federal Air Emissions Requirements for Sewage Sludge Incinerators in New England – *Glenn Almquist, Woodard & Curran*
- Operational Changes to Mattabassett SSI for Incinerator Stability – *Arthur Simonian, The Mattabassett District*
- New SSI NO_x Limits: Is It Possible to Meet Them? – *Melissa Hamkins, Wright-Pierce*
- It's All About Energy: MDC's Waste Heat Recovery Produces \$1.3 Million of Electricity – *Tom Tyler, Metropolitan District Hartford Water Pollution Control Plant*

5:00 NETWORKING RECEPTION / EXHIBITS A social hour with exhibits, beverages, & hearty appetizers.

7:00 NETWORK MORE at Baci Grill, 134 Berlin Road (3 min. drive west of hotel, just beyond I-91): <http://www.bacigrill.com/>

THURSDAY, OCTOBER 13, 2016

7:30 am REGISTRATION / CONTINENTAL BREAKFAST / EXHIBITS

7:50 am WELCOME & OPENING REMARKS

- Elaine Sistare, Chair, NEWEA Residuals Management Committee

8:00 SESSION 3: COMPOSTING

Moderator: Melissa Hamkins, Wright-Pierce

- The Return of Big Composting, *Charles Alix, Stantec*
- City of Albany, OR Biosolids Management Program to Implement a Composting Solution, *Brian Fuchs, W. L. Gore & Associates*
- The Fairfield, CT Biosolids Composting Success Story – *Joseph Michelangelo, Director of Public Works, and Bill Norton, Superintendent of WPCF, Town of Fairfield, CT*

9:30 BREAK / EXHIBITS

10:00 KEYNOTE: Biosolids Combat Climate Change: What Can We Learn from California's Leadership? *Natalie Sierra, Brown and Caldwell (presenter) and Greg Kester, California Association of Sanitation Agencies (CASA), with introduction by Andrew Carpenter, Northern Tilth*

15 years ago, California was a battleground in biosolids management, as public upset drove local ordinances that severely restrict biosolids land application. Agencies responded with improvements to their solids handling processes, build-out of regional compost infrastructure, and strong advocacy both regionally and statewide. The passage of climate change legislation in 2006 (AB 32: The California Global Warming Solutions Act) provided opportunities for biosolids to be recognized as part of the climate change solution. Biosolids management professionals and municipal agencies stepped up their proactive outreach and collaboration with various state agencies and initiatives, including the governor's Healthy Soils Initiative. This presentation will focus on the resulting changed dialogue around biosolids in California, with an emphasis on where and how biosolids are being considered as a positive contributor to soil health and climate change solutions.

10:45 SESSION 4: REGULATION ROUNDTABLE – Updates on regulations & other developments related to the management of biosolids and other organic residuals in the New England states and eastern Canadian provinces.

Moderator: Ben Smith, New England Interstate Water Pollution Control Commission (NEIWPC)

Vermont - Ernie Kelley, Vermont Department of Environmental Conservation

New Hampshire - Ray Gordon and Judy Houston, New Hampshire Department of Environmental Services

Maine, Massachusetts, New York, & Rhode Island – State updates reported by Ned Beecher, NEBRA
Prince Edward Island – Morley Foy, Prince Edward Island Department of Communities, Land, and Environment
Quebec & Other Maritime Provinces – Provincial updates reported Ned Beecher, NEBRA

11:30 LUNCH / EXHIBITS

12:30 SESSION 5: DIGESTION - TECHNICAL DETAILS

Moderator: Eric Spargimino, CDM Smith

- Lessons Learned from Lab-Scale Thermophilic Startup Influencing Full-Scale Startup at San Francisco, *Tracy Chouinard, Brown and Caldwell*
- New England's First Linear Motion Sludge Mixer - A Success Story, *Denise Descheneau, Stantec*
- Maximizing Digestate Product Value for Full-Benefit Wastewater Treatment Plant Anaerobic Digestion – *Meredith Swasey, BIOFerm Energy Systems*
- Schlepping Southington Sludge While Saving Scents – *Amy Sowitcky and Austin Weidner, Tighe & Bond*

2:30 BREAK / EXHIBITS

3:00 SESSION 6: DIGESTION - PLANNING & CASE STUDIES

Moderator: Deb Mahoney, Hazen and Sawyer

- Startup of Virginia's Newest Organics Co-Digestion Facility, *Dennis Clough, Energy Systems Group*
- Optimizing Anaerobic Digester Performance for Capacity Recovery and Operating Cost – *Christopher Muller, Brown and Caldwell*

4:00 CLOSING REMARKS & NEBRA RAFFLE DRAWING

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