



Northeast Residuals & Biosolids Symposium

BioCycle's REFOR15

October 19-22, 2015 - Danvers, MA



Agenda – Monday, October 19, 2015

- 7:30 - 8:45 AM NEBRA Annual Meeting of the Membership (Ipswich Room - breakfast provided)
For NEBRA members (potential members welcome; see Ned Beecher). The Board of Directors & staff will present a summary of the past year and future plans. Members will elect new Directors.
- 8:00 - 8:45 AM Registration/Continental Breakfast
8:00 AM - 6:30 PM Exhibit Area Open
- 8:50 AM **WELCOME & OPENING REMARKS** (North Shore Ballroom)
Matt Formica, NEWEA President
Andrew Carpenter, NEBRA President
Elaine Sistare, Chair, NEWEA Residuals Management Committee
- 9:00 AM **SESSION 1: Biosolids Program Planning**
Moderator: Charlie Alix, Stantec
- Biosolids Planning From an End Use Perspective – Natalie Sierra, Brown and Caldwell
 - N-Viro Halifax: The Dunbrack Comeback – Lise LeBlanc, Walker Environmental & LP Consulting
- 10:00 AM **BREAK / EXHIBITS**
- 10:30 AM **SESSION 2: Technology Choices**
Moderator: Eric Spargimino, CDM Smith
- Challenges in Selecting New Biosolids Treatment & Disposal Equipment for the Mattabassett WPCF, Cromwell, CT – Doug Hankins, Wright-Pierce
 - Towards Net-Zero Energy in Wastewater: Demonstration of Clear Cove's Harvester Technology – Alex Wright, Clear Cove & Mark Greene, O'Brien & Gere
 - Biofilter Odor Control, Water Reclamation, and Compost Heat Recovery – Bruce Fulford & Brian Jerose, City Soil Greenhouse & Agrilab Technologies
- 12:00 NOON **LUNCH / EXHIBITS**
Please take a moment during lunch and breaks to visit the exhibitors:
- | | |
|--------------------------|----------------------------|
| AERISA | MGD Process Technology Inc |
| BDP Industries, Inc. | Resource Management, Inc. |
| Boerger, LLC | Russell Resources Inc |
| Casella Organics | Statewide Aquastore, Inc. |
| HACH | Varec Biogas |
| Lystek International Inc | |
- 1:00 PM **SESSION 3: Building Up Solids**
Moderator: Andrew Carpenter, Northern Tilth
- **Keynote:** Residuals and the Soil Health Awakening – Natalie Lounsbury, PhD student, Univ. of NH
Natalie's work focuses on practical ways farmers can improve soil health. She recently spearheaded the passage of a resolution by the Maine Legislature recognizing the importance of soils in Maine. This presentation celebrates soil health and the International Year of Soils (<http://www.fao.org/soils-2015/en/>, <https://www.soils.org/IYS>)
 - After 40+ Years Successfully Composting Biosolids, Merrimack NH Plans for the Future – Geoff Kuter, Agresource; Jim Taylor and Leo Gaudette, Merrimack, NH; and Richard Nicoletti, BDP Industries

OVER



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- 2:00 PM **SESSION 4: Regional Research - Available Phosphorus**
Moderator: Ned Beecher, NEBRA
- Biosolids Phosphorus Plant Availability Modeling – Lotfi Khiari, Université Laval & Marc Hébert, Quebec Ministry of Sustainable Development, Environment and the Fight Against Climate Change
 - Sludge Ash as Chemical Phosphorus Fertilizer – Marc Hébert, Quebec MDDELCC
- 3:00 PM **BREAK / EXHIBITS**
- 3:30 PM **SESSION 5: Regional Research - Treatments**
Moderator: Elaine Sistare, CDM Smith
- Algal Sludge Granules as a Novel Technique for Wastewater Treatment – Ahmed S. Abouhend, Univ. of MA
 - Use of Biosolids Product as a Carbon Source for Biological Nutrient Removal – Jeanette Brown, Manhattan College
 - Use of Stabilized Biosolids and Composts to Promote Establishment & Persistence of Perennial Vegetation Along Rhode Island Roads – Edwin Fava, Rebecca Brown, and Jose Amador, URI
- 5:00 - 6:30 PM **NETWORKING RECEPTION / EXHIBITS**
A social hour with exhibits, beverages, & appetizers.
- 6:30 PM **ADJOURN / EXHIBITOR BREAKDOWN**

Special Thanks to our Sponsors:

AECOM	Aqua Solutions	AquaGen	ARCADIS
Brown and Caldwell	CDM Smith	CH2M	David F. Sullivan & Associates
Fuss & O'Neill	Hazen and Sawyer	Kleinfelder	NEFCO
Synagro Northeast	The MAHER Corporation	Tighe & Bond	Wright-Pierce

as of 10/8/15

TRAINING CONTACT HOURS (TCHs)

Training Contact Hours (TCHs) will be awarded for operator recertification for participating states. If you need TCHs, please sign up at the end of the day at the registration desk to receive credit for that day.

PROCEEDINGS

Presentations from this conference will be posted online at newea.org and nebiosolids.org shortly following the event. Attendees will be notified when presentations are available.

This symposium was a joint effort by NEWEA's Residuals & Biosolids Management Committee and the North East Biosolids & Residuals Association (NEBRA) and BioCycle. We thank the attendees, speakers, exhibitors, and sponsors for making this event successful.