



NEWEA
WORKING FOR WATER QUALITY

CONFERENCE PROGRAM

It's prime time.

New England Water Environment Association Presents:

NEWEA 2016 Annual Conference & Exhibit

January 24–27 | Boston Marriott Copley Place | Boston, MA

Miscellaneous Events and Committee Meetings

Sunday, January 24, 2016

New Committee Chair Orientation	Salon A/B	10:30 AM – Noon
Executive Committee	Salon E	Noon – 3:00 PM

Monday, January 25, 2016

Awards Committee	Orleans	8:30 – 10:00 AM
Plant Operations Committee	Falmouth	9:00 – 11:00 AM
Operations Challenge Committee	MIT	9:30 – 10:30 AM
CSO/Wet Weather Committee	Champions	Noon – 1:00 PM
Industrial Wastewater Committee	Nantucket	Noon – 1:00 PM
Residuals Management Committee	Champions	Noon – 1:00 PM
Stormwater Committee	Berkeley	Noon – 1:00 PM
Utility Management Committee	Falmouth	Noon – 1:00 PM
Website Committee	Champions	Noon – 1:00 PM
Small Community Committee	Top of the Hub	12:30 PM
Collection Systems Certification Committee	Orleans	2:00 – 3:30 PM
Information Technology & Automation Committee	MIT	2:00 – 3:00 PM
State Association Leadership	Clarendon	2:00 – 4:00 PM
Volunteer Committee Fair	Salon E	2:30 – 3:30 PM
Government Affairs Committee	Falmouth	3:30 PM
Sustainability Committee	Champions	4:30 – 6:00 PM

Tuesday, January 26, 2016

Journal Committee	Orleans	8:00 – 9:00 AM
Volunteer Committee Fair	Salon E	9:30 – 10:30 AM
Laboratory Practices Committee	Champions	11:00 – 1:00 PM
Asset Management Committee	TBD	Noon – 1:00 PM
Energy Committee	Falmouth	Noon – 1:00 PM
Water Reuse Committee	Legal Sea Foods	Noon
Safety Committee	Champions	Noon – 1:15 PM
Collection Systems Committee	Hyannis	Noon – 1:30 PM
Membership Committee	Orleans	2:00 – 3:00 PM
Microconstituents Committee	Nantucket	2:00 – 3:00 PM
Public Education Committee	Champions	4:00 – 5:00 PM
NEWEA/NEWWA/NEAPWA Leadership	Harvard	2:00 – 3:00 PM

Wednesday, January 27, 2016

WERF Sponsors Breakfast (by Invitation)	Vineyard	7:30 AM
Photo Ready Room	Orleans	9:00 AM
Water Utility Council Committee	Nantucket	9:30 – 11:00 AM
Award Ceremony & Lunch	Salon E	11:00 AM

Speaker Breakfast/Ready Room (M, T, W)	Hyannis	7:30 AM
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NEWEA 2016 Annual Conference & Exhibit
Final Program
Schedule-at-a-Glance

7 AM 8 AM 9 AM 10 AM 11 AM Noon 1 PM 2 PM 3 PM 4 PM 5 PM 6 PM 7 PM

Sunday
Jan. 24

NEW COMMITTEE CHAIR ORIENTATION—SALON A/B
 REGISTRATION—4TH FLOOR
 EXHIBIT HALL SET-UP
 EXECUTIVE COMMITTEE MEETING—SALON E

Monday
Jan. 25

REGISTRATION—4TH FLOOR
 SPEAKERS' BREAKFAST
 SSSS SHOVELERS' LUNCH (INVITE)
 YOUNG PROFESSIONALS OUTREACH
 EXHIBIT HALL RECEPTION 3RD FLOOR
 PROFESSIONAL POSTER BOARD DISPLAYS
 CONTINENTAL BREAKFAST
 EXHIBIT HALL GRAND OPENING (3RD & 4TH FLOOR EXHIBIT AREA OPEN)
 BUSINESS MEETING
 OPENING SESSION
 TECHNICAL SESSIONS 1 – 5
 1. Innovative Treatment Technology
 2. Residuals Management
 3. Watershed Management
 4. CSO I
 5. Utility Management
 TECHNICAL SESSIONS 6 – 11
 6. On-Site Power Generation
 7. NEWIN
 8. Water for People
 9. Collection Systems I
 10. Plant Operations I
 11. Industrial Wastewater

Tuesday
Jan. 26

REGISTRATION—4TH FLOOR
 SPEAKERS' BREAKFAST
 OPERATOR'S RECEPTION
 EXHIBIT HALL RECEPTION 4TH FLOOR
 PRESIDENTS' BREAKFAST (INVITE)
 COLLEGE STUDENT POSTER BOARD COMPETITION
 3RD & 4TH FLOOR EXHIBIT AREA OPEN
 TECHNICAL SESSIONS 12 – 16
 12. Innovative Solutions
 13. MassDEP I/I
 14. Water Reuse
 15. Stormwater I
 16. Plant Operations II
 TECHNICAL SESSIONS 17 – 22
 17. Regulatory Challenges
 18. Operator Ingenuity
 19. Information Technology & Automation
 20. Collection Systems II
 21. Asset Management I
 22. Energy
 GRADUATE STUDENT TECHNICAL SESSION

Wednesday
Jan. 27

REGISTRATION—4TH FLOOR
 SPEAKERS' BREAKFAST
 AWARDS CEREMONY & LUNCH
 WERF SUPPORTERS' BREAKFAST
 EXHIBIT AREA BRUNCH
 3RD & 4TH FLOOR EXHIBIT AREA OPEN
 TECHNICAL SESSIONS 23 – 27
 23. Watershed Nitrogen
 24. Sustainability
 25. Safety
 26. CSO II
 27. Asset Management II
 TECHNICAL SESSIONS 28 – 30
 28. Stormwater II
 29. Plant Operations III
 30. Collection Systems III
 ADJOURN

TECHNICAL SESSION ROOM ASSIGNMENTS	
1. Suffolk	16. Ptown
2. C/D	17. A/B
3. Ptown	18. Suffolk
4. A/B	19. Simmons
5. Simmons	20. Wellesley
6. Simmons	21. C/D
7. Suffolk	22. Ptown
8. Wellesley	23. C/D
9. C/D	24. Ptown
10. A/B	25. Suffolk
11. Ptown	26. A/B
12. Suffolk	27. Simmons
13. A/B	28. Ptown
14. Simmons	29. A/B
15. C/D	30. C/D

KEY
 3rd floor rooms are Colleges, Universities, and Boston Streets.
 4th floor rooms are salons and Cape Cod Towns.



Matt Formica
2015 NEWEA President

Welcome to the 2016 NEWEA Annual Conference. It's Prime Time!

I invite you to advance our water quality profession and celebrate its importance by participating in all the Annual Conference has to offer. As the region's premier water quality conference and exhibit, this event is expected to draw some 2,300 professional attendees. This year's conference includes not only 30 technical sessions, two poster sessions, and 200 plus exhibitors, but also numerous networking opportunities, committee meetings, and social events.

Take a close look at this year's program; the Program Committee has worked diligently to provide a wide range of topics for the technical sessions. These include industry hot topics such as Innovative Treatment Technologies, On-Site Power Generation, Innovative Solutions to Equipment, and Operational Challenges, Regulatory Challenges, and Watershed Nitrogen Tracking and Accounting.

To get the most out of this Program, I encourage you to explore where you typically may not—visit a Young Professionals event; stop by and visit with an exhibitor you may not know; check out the student poster competition; or visit the committee fair and join a committee.

In keeping with this year's theme of increasing Public Awareness, on Monday our opening session will feature Keynote speaker George Hawkins from DC Water. George will share his successes on the public awareness/outreach front in the DC metro area. We are further honored that WEF President Paul Bowen will offer his insight on current WEF initiatives and the water quality industry as a whole.

I'd like to recognize the significant efforts of the conference committees, which include Program, Registration, Exhibits, Manufacturer's Representative, Awards, and Conference Arrangements. I'd also like to acknowledge the NEWEA office staff: Mary Barry, Janice Moran, and Linda Austin for their energy, professionalism, and patience in putting this great event together.

I hope that you take advantage of all the Conference has to offer in the way of technological enrichment, but also that you seize the opportunity to see old friends and make new acquaintances. These are all ways that this event helps us as professionals to better address the challenges of protecting public health, protecting the environment, and providing the foundation for thriving communities and economies.

Have a great event!

Matt Formica
2015 NEWEA President

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President Matthew Formica
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Treasurer Frank Occhipinti

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Secretary Gerald Potamis
Executive Director Mary Barry

WEF Delegate (10/12) Howard Carter
WEF Delegate (10/13) Michael Wilson
WEF Delegate (10/14) Daniel Bisson
WEF Delegate (10/15) Susan Sullivan

Directors

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Massachusetts Michael Moreau
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Vermont Nathan Lavallee
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Collection Systems/Water Resource Council Virgil Lloyd
Meeting Management Director Meg Tabacsko
Outreach Council Jonathan Kunay
Treatment, Systems Operations, and
Management Council Priscilla Bloomfield

NEWEA 2015 COUNCILS

Vice President Council (Ad Hoc Committees)

Information Technology and
Automation Committee* John Trofatter
Public Awareness Committee* Clary Coutu
Utility Council Committee* F. Adam Yanulis

Past President Council (Administrative Committees)

Assessment and Development Committee Deborah Mahoney
Awards Committee Charles Applebee
Bylaws Committee Douglas Lee Miller
Committee Member Appreciation Committee Daniel Roop
Nominating Committee Daniel Bisson
Sponsor Committee Glenn Haas

NEWEA 2015 COUNCILS (CONTINUED)

Meeting Management Council

Conference Arrangements Committee Ronald Tiberi
Exhibits Committee Amy Anderson
Manufacturers' Representative Committee James DeLuca
Program Committee Jessica Cajigas
Registration Committee Katelyn Biedron

Communications Council

Journal Committee Helen Gordon
Media Relations Committee TBD
Newsletter Committee Geraldine Ciardelli
Website Committee* Robert Musci

Treatment, Systems Operations, and Management Council

Asset Management Committee John Jackman
Energy Committee Thomas Schwartz
Laboratory Practices Committee Mary Lee Santoro
Microconstituents Committee Brian Braginton-Smith
Operations Challenge Committee Michael Burke
Plant Operations Committee Raymond Vermette
Residuals Management Committee Elaine Sistare
Small Community Committee Daniel Ottenheimer
Utility Management Committee Brian Armet

Collection Systems/ Water Resource Council

Collection Systems Certification Committee Gregory Kidd
Collection Systems Committee John Digiacoia
CSO/Wet Weather Issues Committee James Drake
Industrial Wastewater Committee Lisa Andrews
Stormwater Committee Aubrey Strause
Sustainability Committee Elizabeth Watson
Water Reuse Committee Edward Whatley
Watershed Management Committee Philip Forzley

Outreach Council

Government Affairs Committee Peter Grose
Humanitarian Assistance and
Grants Committee Tim Vivian
Membership Committee David Archard
Project Delivery Alternatives Committee Michael Curtis
Public Education Committee Elena Proakis Ellis
Safety Committee David Aucoin
Scholarships Committee Nicholas Schwartz
Student Activities Committee Annalisa Onnis-Hayden
Water for People Committee Anastasia Rudenko
Young Professionals Committee Justin Skelly

* Ad hoc



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<p>MILLIKEN VALVES </p> <p>PLUG VALVES: ECCENTRIC 1/2"-72", CHECK VALVES: SWING, FLEX, SPRING, WAFER, DUAL DISC, GLOBE. AWWA BUTTERFLY VALVES: 3"-72".</p>	<p>ROTORK CONTROLS, INC. </p> <p>VALVE ACTUATORS - QUARTER & MULTI-TURN-MANUAL, ELECTRICAL, PNEUMATIC, HYDRAULIC ACTUATORS, NETWORK TWO WIRE CONTROL SYSTEMS.</p>
<p>Delta Industrial </p> <p>2" - 96" CAST & FABRICATED, NON-RISING STEM, BI-DIRECTIONAL, ZERO LEAKAGE AND BUBBLE TIGHT, KNIFE GATES FOR MANUAL AND AUTOMATED SERVICE</p>	<p>E. G. CONTROLS </p> <p>PUMP CONTROL PANELS: POTABLE WATER & SEWAGE LIFT STATION, CONSTANT & VARIABLE SPEED CONTROL SYSTEMS,</p>
<p>AUNSPACH CONTROLS </p> <p>TORQUE OVERLOAD PROTECTION CREATING RELIABLE, HIGH QUALITY, MECHANICAL OVERTORQUE SOLUTIONS FOR VALVES, ACTUATORS, ETC. FOR THE MUNICIPAL, FLUID HANDLING AND INDUSTRIAL MARKET.</p>	<p>ADVANCED PRODUCTS SYSTEMS </p> <p>MECHANICAL PIPELINE PRODUCTS: CASING SPACERS & END SEALS, INNERLYNX® - PENETRATION SEALS, FLANGE ISOLATING GASKET KITS, FLANGE PROTECTORS, WALL SLEEVES & MALONEY/FOREMAN NIGHT CAPS.</p>
<p>LARAD VALVES </p> <p>1/2"-4" QUARTER-TURN PINCH VALVES FOR MANUAL AND AUTOMATED SERVICE. WAFER & SANITARY TRI-CLAMP FLOW-THRU INSTRUMENT ISOLATORS FOR PRESSURE MEASUREMENT WITH GAUGE, TRANSMITTER OR SWITCH.</p>	<p>PLASTI-FAB </p> <p>COMPOSITE FIBERGLASS REINFORCED PLASTIC PRODUCTS PROVIDE OPTIMUM CORROSION RESISTANCE. WIDE RANGE OF FUNCTIONAL DESIGNS AND CUSTOM SIZES. QUALITY (FRP) ENGINEERED FLUMES, GATES, STOP LOGS, MANHOLES, SKIMMERS. GAGES, SHELTERS.</p>
<p>A-C VALVES </p> <p>CAST, FABRICATED & CUSTOM DESIGNED METAL & RESILIENT SEATED KNIFE GATE VALVES, FROM 2" TO 96" & LARGER. WAFER, BI-DIRECTIONAL, DRIP TIGHT, NON CLOGGING, FULL PORT, AND BONNETTED DESIGNS AVAILABLE IN ALL STAINLESS STEEL OR WETTED PARTS ONLY.</p>	<p>WATERMAN INDUSTRIES </p> <p>FLUID CONTROL EQUIPMENT. DRAINAGE & SELF REGULATING TIDEGATES, CAST & FABRICATED SLUICE GATES. ALUMINUM & SS SLIDE GATES & STOP LOGS. RADIAL & LEVEL CONTROL GATES. BUTTERFLY, MUD & TELESCOPING VALVES.</p>
<p>WASTOP CHECK VALVES </p> <p>STAINLESS STEEL, PVC/PE INLINE CHECK VALVES, WAPRO ACCESS CHAMBER. WAREG FLOW REGULATOR. WABACK VALVE & MINI.</p>	<p>J & S VALVES </p> <p>RESILIENT & METAL SEATED SOLID WEDGE AWWA GATE VALVES, WAFER & LUG PATTERN INDUSTRIAL/COMMERCIAL BUTTERFLY VALVES,</p>
<p>CRISPIN </p> <p>AWWA K-FLO BUTTERFLY VALVES: 3-168". AIR AND VACUUM VALVES: CLEAN WATER, WASTE WATER & X SERIES. CHEMICAL & SEWAGE VALVES. CHECK VALVES: FOOT, GLOBE, RUBBER FLAPPER, SWING, TILTED, SURGE, WAFER.</p>	<p>ONYX VALVE </p> <p>PINCH VALVES: MANUAL, PNEUMATIC & ELECTRIC. EXPANSION JOINTS, STAINLESS STEEL FLEXIBLE CONNECTORS, PRESSURE SENSORS & ISOLATORS. INLINE AND DUCKBILL CHECK VALVES.</p>

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Thinking of water in new ways



Sustainable stormwater, wastewater and drinking water solutions all require more collaboration than ever.

Join the dialogue at bc1Water.com



Of all the water on Earth, only 2.5% is fresh water, the rest is salty oceans. Rivers and reservoirs make up only 1.2% of all fresh water, the other 98.8% is stored as permafrost and groundwater. Recycling readily accessible surface water is critical to meet the high demand for use by individuals, communities and industry. **Learn more about the water quality industry and its role in the water cycle at newea.org**

**Water for all.
Water for life.**



NEW ENGLAND WATER ENVIRONMENT ASSOCIATION



The New England Consortium

The New England Consortium (TNEC) is the region's model Hazardous Waste Operations and Emergency Response (HAZWOPER) Worker Health and Safety training organization.

Our courses are approved by MA, RI, and CT Boards of Certification of Wastewater Treatment Plants and Drinking Water Supply Facilities.

Customized courses are delivered on-site anywhere in New England or TNEC's training center in Lowell.

The New England Consortium 600 Suffolk St., Woburn, MA 01884 Phone: 978.934.3329 F: 978.934.2012 www.uml.edu/tneec



NEWEA & NYWEA Joint Spring Meeting

ENVIRONMENTAL STEWARDSHIP
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Association Presents:

It's prime time. NEWEA 2016 Annual Conference & Exhibit

January 24–27

Boston Marriott Copley Place, Boston, MA

Conference Events

Sunday, January 24

Registration (4th Floor).....	Noon–4:00 PM
Exhibit Hall Set-Up	Noon–6:00 PM
New Committee Chair Orientation (Salon A/B).....	10:30 AM–Noon
Executive Committee Meeting (Salon E).....	Noon–3:00 PM

Monday, January 25

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Breakfast (Hyannis).....	7:30–8:30 AM
Coffee and Continental Breakfast (3rd Floor Atrium).....	7:30–9:00 AM
NEWEA Annual Business Meeting (Vineyard).....	8:00–8:30 AM
Welcome and Opening Remarks: Matt Formica, NEWEA President/AECOM Presentation and vote on 2016 Slate of NEWEA Officers. <i>See description on page 42</i>	
Technical Sessions 1–5	8:30–10:30 AM
<i>See descriptions beginning on page 14</i>	
Exhibit Hall Grand Opening	10:30 AM
Amy Anderson, Exhibits Committee Chair; Matt Formica, NEWEA President Grand Opening will take place at the main entrances of both the 3rd and 4th floor exhibit areas.	
Exhibits (3rd and 4th Floor Exhibit Areas).....	10:30 AM–6:30 PM
Please note that the 3rd and 4th floor exhibit areas are connected by a stairwell in the back of exhibit hall. <i>See page 44 for list of exhibitors.</i>	
Opening Session	11:00 AM
Featured Speaker—George S. Hawkins (<i>see description on page 13</i>)	

Monday, January 25 continued

Professional Poster Board Displays/Session (4th Floor).....	8:30 AM–4:30 PM
Coordinator: Lauren Hertel, Stantec	
Session with authors.....	1:30–3:30 PM
Select Society of Sanitary Sludge Shovelers' Lunch	Noon–2:00 PM
by invitation – Charles Tyler, Influent Integrator (Dartmouth/Exeter)	
Young Professionals Outreach/Mentoring Program (Yarmouth).....	Noon–1:30 PM
The YP Committee is planning a special lunchtime session for those participating in the Mentoring Day and for all Young Professionals. Justin Skelly, Tighe & Bond; Dave Archard, RJN Group	
Technical Sessions 6–11	2:00–4:30 PM
<i>See descriptions beginning on page 17</i>	
Exhibit Hall Break	3:00–3:30 PM
Exhibit Hall Reception (3rd Floor Exhibit Area).....	4:30–6:30 PM

Tuesday, January 26

Registration (4th Floor).....	7:00 AM–6:00 PM
Speakers' Breakfast (Hyannis).....	7:30–8:30 AM
Guest Program – <i>see description on page 43</i>	7:30 AM–4:00 PM
NEWEA Presidents' Breakfast (Champions).....	8:00–9:00 AM
by invitation	
Exhibits	8:00 AM–6:00 PM
3rd and 4th Floor Exhibit Areas	
Technical Sessions 12–16	9:00–11:30 AM
<i>See descriptions beginning on page 20</i>	
College Student Poster Board Competition	9:30 AM–3:30 PM
Coordinator: Annalisa Onnis-Hayden, Northeastern University	
Session with authors.....	11:00 AM–12:30 PM
Exhibit Hall Break	10:00–10:30 AM
Operator's Reception	Noon–1:30 PM
Sponsored by: Connecticut Water Pollution Abatement Association Green Mountain Water Environment Association Maine Water Environment Association Massachusetts Water Pollution Control Association Narragansett Water Pollution Control Association New Hampshire Water Pollution Control Association	
Technical Sessions 17–22	1:30–4:00 PM
<i>See descriptions beginning on page 23</i>	
Graduate Student Technical Session	1:30–4:00 PM
Exhibit Hall Break	2:30–3:00 PM
Exhibit Hall Reception (4th Floor Exhibit Area).....	4:00–6:00 PM

Wednesday, January 27

Registration – 4th Floor.....	7:30 AM–2:00 PM
Speakers' Breakfast (Hyannis).....	7:30–8:30 AM
Exhibits	8:00 AM–1:00 PM
3rd and 4th Floor Exhibit Areas	
Technical Sessions 23–27	8:30–11:00 AM
<i>See descriptions beginning on page 26</i>	
Exhibit Hall Break	9:30–10:00 AM
Mr & Mrs Fish Presentation:	9:30 AM & 11:30 AM
The Mystery of the Clam (two performances) 3rd Floor Atrium	
NEWEA Awards Ceremony and Lunch (Salon E).....	11:00 AM–1:00 PM
(ticket required)	
Exhibit Area Brunch	11:00 AM–1:00 PM
The exhibit area brunch will be held in both the 3rd and 4th floor exhibit areas.	
Technical Sessions 28–30	1:00–3:00 PM
<i>See descriptions beginning on page 29</i>	
Adjourn	3:00 PM



Opening Session

MONDAY, JANUARY 25
11:00 AM

Moderator:
Helen Gordon, NEWEA
Program Committee,
Woodard & Curran

Welcome: Matt Formica, NEWEA President, AECOM
Keynote Speaker: **George S. Hawkins, CEO/General Manager, DC Water**

George Hawkins is Chief Executive Officer and General Manager of the District of Columbia Water and Sewer Authority (DC Water). DC Water provides drinking water delivery and wastewater collection and treatment for the District of Columbia, and treats wastewater for millions in several Maryland and Virginia suburbs. The Authority operates the world's largest advanced wastewater treatment plant at Blue Plains.



Under Hawkins' leadership, DC Water has launched a vast 10-year program to improve aging infrastructure and comply with ever more stringent regulatory requirements. DC Water is designing and implementing three massive environmental projects that total in excess of \$4 billion. Previously, Hawkins was the first director of the District Department of the Environment (DDOE). Prior, he was executive director of New Jersey Future, and served as executive director of the Stony Brook-Millstone Watershed Association. He held senior positions with the United States Environmental Protection Agency (EPA) and also served Vice President Gore on the National Performance Review.

Hawkins is a member of the Bar in Massachusetts and the District of Columbia. He graduated Summa Cum Laude from Princeton University and Cum Laude from Harvard Law School.

Sessions 1–5
Monday
8:30–10:30 AM

Session 1

**Hot Topic:
Innovative Treatment
Technologies**

Moderators:
Chuck Pike, Black & Veatch
Vinta Varghese, CH2M

Suffolk

Session 2

**Residuals
Management—
Comprehensive
Residuals Management**

Moderators:
Eric Spargimino, CDM Smith
Natalie Sierra,
Brown and Caldwell

Salon C/D

Technical Sessions

Novel Deammonification Process for Separate Centrate and Main Plant Nitrogen Removal

Robert Sharp, Manhattan College
Allen Deur, New York City DEP
Wendell Khunjar, Hazen and Sawyer
Kathleen O'Connor, New York State Energy Research
and Development Authority

Sustainably Stabilizing EBPR Performance at Meriden, CT with a Side-Stream Biological Sludge Reactor

Nick Tooker, Northeastern University
Paul Dombrowski, Woodard & Curran
April Z. Gu, Northeastern University
Frank Russo, City of Meriden, CT

Proven and Emerging Alternatives for Stringent Phosphorus Limits

Jim Fitzpatrick, Black & Veatch
Mark Steichen, Anjana Kadava, and Kelly Martin, Black
& Veatch

Lessons Learned from a Nitrification/Anammox Sequencing Batch Reactor

Eric Staunton, CDM Smith
Michael Aitken, University of North Carolina-Chapel Hill

New Phosphorus Removal Requirement Tips the Scales—Lessons Learned on Biosolids Management and Odor Control at the Southington CT Treatment Plant

Frederick Mueller, Tighe & Bond
John DeGioia, Town of Southington, CT

Integrated Resource Management for Wastewater, Solid Waste, and Energy in New Bedford

Jason Turgeon, US EPA Region 1
Chris Beling, US EPA

Composting of Mixtures of Sewage Biosolids and Municipal Solid Wastes in a Wastewater Treatment Plant

Mohamed Hamoda, Kuwait University

Challenges in Selecting New Biosolids Treatment & Disposal Equipment for The Mattabassett WPCF, Cromwell, CT

Prashanth Emmanuel, Wright-Pierce

Monday
8:30–10:30 AM

Session 3

**Watershed
Management—
Approaches to
Integrated Watershed
Management**

Moderators:
Becky Weig, CH2M
David Bowen,
Wright-Pierce

Provincetown

Session 4

**CSO I—Repurposing
and Renewal to Extend
Existing Wet Weather
Assets**

Moderators:
James Drake, CDM Smith
Jeff Cantwell,
Flow Assessment Services

Salon A/B

Technical Sessions 1–5

The Cape Cod 208 Plan Update

Thomas Cambareri, Cape Cod Commission
Scott Michaud, Cape Cod Commission

An Integrated Watershed Approach to Nutrient Management

Matthew Davis, Brown and Caldwell
Jeffrey Herr, Brown and Caldwell

Optimizing Performance of Existing Stormwater Infrastructure through Real Time Control Retrofits— A Minnesota Pilot Study

David Roman, Geosyntec Consultants
Scott Landers, OptiRTC
David Richardson, Geosyntec Consultants

Managing Phosphorus Loads to Pearly Pond

Rebecca Balke, Comprehensive Environmental Inc.
Ben Lundsted, Comprehensive Environmental, Inc.

Removing Gully Brook from the CSO system and restoring it to the MS4 system

Cynthia Baumann, CDM Smith
Joseph Laliberte, CDM Smith
Jason Waterbury, The MDC

Walking the Plank—Lessons Learned Inside a 140-Year-Old Combined Sewer

Michael Sullivan, MWH Global
David VanHoven, MWH Global

The Final Link in MWRA's Long-term CSO Control Plan for Alewife Brook

Deborah Duhamel, Stantec
Jeremy Hall, MWRA
Michael Carroll, Stantec

The Benefits of Sound Planning—How Augusta Maine's 25-year Adapted CSO Abatement Program Netted Positive Results

Steven Freedman, AECOM
Brian Tarbuck, Greater Augusta Utility District

Monday
8:30–10:30 AM

Technical Sessions 1–5

Session 5

Utility Management/
Managing—
Improvements,
Assessments and Apps

Moderators:

Fred McNeill,
City of Manchester, NH
Jamie Lefkowitz, Opti RTC

Simmons

Making Real Progress in Organizational Improvement: Moving from Study to Results

Seth Garrison, Woodard & Curran
Mark Lowenstine, Polk County Utility District

Managing the Public Outreach, Regulatory, Funding, and Staffing Challenges of Framingham’s Capital Improvements Program

James Barsanti, Town of Framingham, MA
Blake Lukis and Peter Sellers, Town of Framingham, MA

The J100 Standard: A Catalyst for an All-Hazards Vulnerability Assessment in our Dynamic World

Marian Long, Gradient Planning

There Is an App for That! SSO Mobile Application Achieves Better Reporting

Greg Pellerin, Woodard & Curran
Erik Osborn and Rachel Osborn, Woodard & Curran



Monday
2:00–4:30 PM

Technical Sessions 6–11

Session 6

Hot Topic:
On-Site Power
Generation

Moderators:

Lauren Hertel, Stantec
Matt Dickson,
MGD Process Technology

Simmons

It’s All About Energy—MDC’s On-Site Power Generation & Energy Conservation Efforts at the Hartford, CT WPCF

Thomas Tyler, The MDC
Jeff Bowers, Rick Peebles, and Mike Zabilansky, The MDC

Keeping Your Cool on a Combined Heat and Power Project

Jonathan Kearney, Brown and Caldwell
Jim Schettler and Nancy Andrews, Brown and Caldwell
James McCaughey, Narragansett Bay Commission

Emergency Generator Compliance at Your Facility

Timothy Kucab, Tighe & Bond

The Road to Net Zero at Wastewater Treatment Plants

Paul Hughes, Electra Therm

Session 7

Specialty—NEWIN—
Local Innovation and
Piloting for Global
Impact

Moderators:

Marcus Gay,
Nobus Technical Services
Robert Scherpf, AECOM

Suffolk

New England Water Innovation Network Primer

Karen Golmer, NEWIN

Prevention of Fat, Oil, and Grease Buildup in Collection Systems, Lift Stations, and Grease Interceptors Through Use of a Novel Protein-Based Chemical Formulation

Patrick Antle, Protein Matrix LLC
Peter Rehage and Christian Zeigler, Protein Matrix LLC
Albert Robbat, Tufts University

The Green Keeps Getting Greener—Advanced Biological Nutrient Recovery (ABNR)

Rick Johnson, Clearas Water Recovery

The Nutrient Roadmap

Jane Madden, CDM Smith

Exhibit Hall Break

3:00–3:30 PM

Monday
2:00–4:30 PM

Technical Sessions 6–11

Session 8

**Small Communities/
Water for People—
Wastewater Around
the World**

Moderators:

Robert Robinson,
City of Manchester, NH
David Bedoya, MWH Global

Wellesley

Session 9

**Collection Systems I—
Episode I: The Piping
Menace**

Moderators:

John Murphy, Stantec
Kevin Garvey, CDM Smith

Salon C/D

**Successfully Navigating a Pre-Procurement and
Evaluated Bid Process for the First Municipal
Wastewater MBR System in the State of Maine**
Robert Polys, Woodard & Curran

**Chatham WPCF—Challenges Faced by a Small
Community Removing Nitrogen to the Limit of
Technology**

Marc Drainville, GHD
Richard Peter, Weston & Sampson

**Small Scale Irrigation Project at Abba Samuel River
Watershed in Ethiopia**

Kelsey Reeves and Fiona O'Donnell, Student
Chapter of Engineers Without Borders – University of
Connecticut

**What Difference Have We Made? Evaluating the
Sustainability and Impact of Engineers without
Borders Projects in Nicaragua**

Claire Barker, Boston Professional Chapter, Engineers
Without Borders

**Challenges in Planning, Design and Construction of
Coastal and Island Infrastructures to Adapt to New
Flood Elevations and Climate Changes**

Karen Wong, GHD Inc.
Marc Drainville, GHD Inc.

Finding infiltration Using Chemical Flow Dilution

Daniel Iannicelli, Fuss & O'Neill
Matthew Jermin, Fuss & O'Neill

**A Revolutionary City's Multi-Faceted Emergency
Repair Under the Governor's Avenue**

Nicholas Rystrom, City of Revere, MA
Jonathan Kunay, CDM Smith

Failed Sewer Main Under Salem Harbor Spurs Action

Scott Williamson, Parsons Brinckerhoff
Rachel Burckardt, Parsons Brinckerhoff
Eric Barber and David Michelsen, South Essex
Sewerage District

Exhibit Hall Break

3:00–3:30 PM

Monday
2:00–4:30 PM

Technical Sessions 6–11

Session 10

**Plant Operations I—
BNR—from Concept to
Implementation, Part 1**

Moderators:

Ben Levesque,
Tighe & Bond
Ed Rushbrook,
Process Analysis

Salon A/B

Session 11

**Industrial Wastewater—
from Regulation to
Innovation**

Moderators:

Lisa Andrews,
Barr Engineering
Sarah White,
UniFirst Corp.

Provincetown

**Real, Affordable Nutrient Removal in Secondary
Treatment Plants**

Paul LaVigne, Montana DEQ
Grant Weaver, The Water Planet Company

Nutrient Removal at the Manchester, CT WPCF

Christopher Pierce, Wright-Pierce
Michael Emond and Ray Weaver, Town of Manchester, CT
W. Doug Hankins, Wright-Pierce

BNR in a Small Footprint

William McConnell, CDM Smith

**How Low Can We Go? Full Scale Pilot Testing of Total
Nitrogen Removal Processes**

Dan Peterson, Town of Durham, NH
Tim Vadney, Wright-Pierce

**Development of Water-effects Ratios (WERs)
and Site-Specific Water Quality Criteria (SSC)
for Aluminum, Cadmium, and Copper for the
Androscoggin River**

Patrick Gwinn and John Samuelian, Integral Consulting,
Inc.

Elizabeth Rand, Integral Consulting, Inc.

**Biosolids Dewatering Modernization at an Industrial
Plant—Plate & Frame Press to Centrifuge**

Carl Wilcox, Woodard & Curran

Water Reuse for a Commercial Greenhouse

Elizabeth Troop, Fuss & O'Neill

Water ReUse System for an Industrial Discharger

Timothy St. Germain, Fuss & O'Neill

Exhibit Hall Break

3:00–3:30 PM

Tuesday
9:00–11:30 AM

Technical Sessions 12–16

Session 12

**Hot Topic:
Innovative Solutions
to Equipment and
Operational Challenges**

Moderators:
Mary White, MWRA
Andy Morrill, Wright-Pierce

Suffolk

Session 13

**MassDEP I/I—
Implementing Your
MassDEP 314 CMR
12.00 I/I Program...
by 2017!**

Moderators:
Mike Bonomo, ADS
Environmental Services
Robert Dunn, Stantec

Salon A/B

Multiparty Collaboration—A Cost-Effective Culvert Replacement

Kathryn Edwards, Arcadis
Robert Cantoreggi, Town of Franklin, MA

Leveraging Technology to Increase Catch Basin Maintenance Efficiency

Matt Bianchi, Utility Cloud
John Lopes, Boston Water and Sewer Commission

Adventures in Phosphorus Removal

Daniel Sullivan, Town of Wallingford, CT
Brian Hickey, CDM Smith

Bay Park STP Flood Mitigation Upgrade Program

Eric Mills, Hazen and Sawyer

Overview of the MassDEP I/I Program

Kevin Brander, MassDEP

Case Study—Framingham, MA Experience with I/I Reduction Program

James Barsanti, Town of Framingham, MA

Important Considerations of an I/I Investigation or “Getting Bang for Your Buck”

Patrick Stevens, ADS Environmental Services

Panel Discussion:

James Barsanti, Town of Framingham, MA
Kevin Brander, MassDEP
Patrick Stevens, ADS Environmental Services

Exhibit Hall Break

10:00–10:30 AM

Tuesday
9:00–11:30 AM

Technical Sessions 12–16

Session 14

**Water Reuse—
Economics and
Sustainability
Drive Innovation in
Wastewater**

Moderators:
Vanessa Borkowski,
Stantec
Austin Weidner,
Tighe & Bond

Simmons

Session 15

**Stormwater I—
Putting the Horse
Before the Cart—
Planning Carefully To
Get the Most Benefit
from a Stormwater
Program**

Moderators:
Angela Blanchette,
Town of Scarborough, ME
Iulia Barbu, AECOM

Salon C/D

Use of Tertiary UF for Water Reuse Reduces Costs and Provides a Reliable Source for Industry

Melanie Blake, Koch Membrane Systems, Inc.
Henia Yacubowicz, Koch Membrane Systems, Inc.

Phosphorus-Recovery from Waste Activated Sludge (WAS) in Enhanced Biological Phosphorus Removal (EBPR) Process

Yuqi Wang, Northeastern University
April Gu and Annalisa Onnis-Hayden, Northeastern University

Water Conservation Technology for Recirculating Cooling Systems

Karen Golmer, NEWIN

Utilizing Stormwater for Cooling Tower Reuse at a University CoGen Facility

Jay Sheehan, Woodard & Curran

Portland Maine’s Design Standards and O&M Plan for Municipal Green Infrastructure

David Senus, Woodard & Curran
Zach Henderson, Woodard & Curran

Step-by-Step, Improving the Environment through a Comprehensive Illicit Discharge Detection and Elimination Program while Facing a Consent Decree

Teri Demers, Woodard & Curran
Garrett Bergey, Stacey DePasquale Engineering

Trying to Keep a Step Ahead: How Framingham is Preparing for the New MS4 Requirements

Kerry Reed, Town of Framingham, MA
Eric Johnson, Town of Framingham, MA

Proactive Preparation—A Small Community’s Approach Towards MS4 Compliance

Jon Gregory, Tata & Howard

Exhibit Hall Break

10:00–10:30 AM

Tuesday
9:00–11:30 AM

Technical Sessions 12–16

Session 16

Plant Operations II— BNR—from Concept to Implementation, Part 2

Moderators:

Jon Hume, Wright-Pierce
Steve Sloan,
Portland Water District

Provincetown

Upgrading WRRFs for Biological Nutrient Removal

Don Esping, Brown and Caldwell

Emerging Nutrient Limits? Let's Pilot BNR!

Lindsey Shields, Wright-Pierce
Kristen Lemasney, Wright-Pierce
Raymond Vermette, City of Dover, NH

Mystic Completes Year One Operating the BioMag Process

Megan Moody, CDM Smith
William McConnell, CDM Smith

Prove It! Demonstrating Performance of a Combined Carbon and Ammonia Removal BAF

Erik Meserve, AECOM
Paula Anania and Terry Desmarais, City of Portsmouth,
NH
Erik Grotton, Blueleaf Incorporated



Exhibit Hall Break

10:00–10:30 AM

Tuesday
1:30–4:00 PM

Technical Sessions 17–22

Session 17

Hot Topic: Regulatory Challenges

Moderators:

Dave Polcari, CDM Smith
Joe Kietner,
City of Chicopee, MA

Salon A/B

Overview of NPDES Issues Impacting New England Permittees and Strategy for Ensuring Reasonable Requirements

John Hall, Hall & Associates

Working through the Maze of the New SSI Rules— Lessons from The Mattabassett District

Melissa Hamkins, Wright-Pierce

TMDLs: One Size DOES NOT Fit All

Paul Hogan, Woodard and Curran

Integrated Planning for Nitrogen Controls in the Exeter/Squamscott Watershed—New Flexibility Brings New Opportunities

Robert Roseen, Horsley Witten Group
Renee Bourdeau, Geosyntec Consultants
Paul Stacey, Great Bay NERRS
Alison Watts, University of New Hampshire

Session 18

Operator Ingenuity

Moderators:

Tim Vadney, Wright-Pierce
Sandra Tripp, GHD Inc.

Suffolk

Instruments and Methods used for Process Monitoring and Control of the North Attleborough, MA WWTF

Kaela Wiklund, Town of North Attleborough, MA
Daniel Roop, Tighe and Bond

Low Cost Technology for Operational Efficiency

Brad Hayes, City of Tavares, FL

Do-it-Yourself Permanganate Dosing System for Odor Control

Mike Carle, Town of Hampton, NH

Do-it-Yourself Sludge Dewatering Screw Press Installation

Ray Vermette, City of Dover, NH

Do-it-Yourself Improved Septage Receiving Facilities

Sean Greig, Town of Newmarket, NH

Innovative Pump Rag Removal Tool and Low Chlorine Early Warning System

Paula Anania and Mike Baker, City of Portsmouth, NH

Drive Chain Removal Assistive Device and Simple Fix for Railing Removal and Access

Joe Crosby, Narragansett Bay Commission

Exhibit Hall Break

2:30–3:00 PM

Tuesday
1:30–4:00 PM

Session 19

Information Technology & Automation—Continuous Improvement in the Instrumentation, IT and Automation Sectors

Moderators:

John Trofater,
Duperon Corporation
John Sykora,
Weston & Sampson

Simmons

Session 20

Collection Systems II—Episode II: Attack of the Odors and FOG

Moderators:

Kevin Olson, Wright-Pierce
Ashley Dunn,
Town of Framingham, MA

Wellesley

Exhibit Hall Break

2:30–3:00 PM

Technical Sessions 17–22

Integrating Wireless Technology into Wastewater Treatment Process Monitoring

Daniel Capano, Diversified Technical Services, Inc.

Optimization of Supplemental Carbon Feed through Automation

Anthony Giovannone, Environmental Operating Solutions, Inc.

Boyd Gregg, Environmental Operating Solutions, Inc.

How Public Utilities Increase Productivity for Annual FOG Inspections

Ricky Langley, Utility Cloud

NO₂–20 Years of Tracking an Elusive Quarry with Online Spectrometry

Bruce Stevens, ASA Analytics

Bernard Beamster, Scott Kahle, and Roy McKnight, ASA Analytics

Rooftop Biofilter to Solve Odor Concerns in Downtown Rockport, MA

Lauren Hertel, Stantec

Joe Allen, Stantec

Ensuring Your Collection System for the Future: Recovering from H₂S Attack

Gerald Furrier, CDM Smith

Caitlin Carbonello and Kristie Wagner, CDM Smith

Richard Feminella, Town of Greenwich, CT

A Proactive Approach to Assessing and Managing the Wastewater Collection System, and a UV Cured CIPP Rehabilitation

Joseph Hausmann, Wright-Pierce

Take It Off! Odor Stripping Solves Odor Issues in Red Deer's Collection System

Michael Headd, Stantec

Joel Sawatzky, Stantec

Tuesday
1:30–4:00 PM

Session 21

Asset Management I—Asset Management Trends

Moderators:

George Pendleton,
Martinez, Couch &
Associates

Lori Carriero, Tighe & Bond

Salon C/D

Session 22

Energy—Something Tried and Something New—Energy Reduction and Production Projects

Moderators:

David Van Hoven,
MWH Global

David Michelson, South
Essex Sewerage District

Provincetown

Exhibit Hall Break

2:30–3:00 PM

Technical Sessions 17–22

Practicing Environmental Stewardship — and Saving Money — Utilizing Trenchless Technology

Shawn Ready, Ted Berry Company Inc.

3D Laser Scanning & Modeling for Condition Assessment and Asset Management/Planning

Christopher Lorrain, LandTech Consultants

Enhanced Asset Management through Vulnerability Assessment

Linda Warren, Launch! Consulting, LLC

Sanjay Puranik and George Brown, Hazen and Sawyer

Vincent Morello, Broward County Water and

Wastewater Services

ISO55000 & Asset Management

Aditya Ramamurthy, Hazen and Sawyer

Ryan Nagel, Hazen and Sawyer

Down the Drain: Trimming Energy Waste from a Wastewater Facility without Breaking the Bank

Frederick Mueller, Tighe & Bond

Ruth Gay, Environmental Systems Corporation

Anthony Piazza, Town of Simsbury, CT

Worth the Trouble? Raw Wastewater Energy Recovery Case Study

Anastasia Rudenko, GHD Inc.

Andrew Boule, Town of Barnstable, MA

Marc Drainville, GHD Inc.

Energy and Organics: Regulatory and Contracting Issues

Steven Torres, Pannone Lopes Devereaux and West LLC

Teno West, Pannone Lopes Devereaux and West LLC

A Transition to Resource Recovery Facility through the installation of Enhanced Primary Treatment

Alex Wright, ClearCove

Wednesday
8:30–11:00 AM

Session 23

Hot Topic:
Watershed Nitrogen Tracking and Accounting

Moderators:

Patricia Chesebrough,
Weston & Sampson
Cynthia Baumann,
CDM Smith

Salon C/D

Session 24

Sustainability—Sustainable and Resilient Infrastructure

Moderators:

Meredith Zona, Stantec
David Peterson, Kleinfelder

Provincetown

Exhibit Hall Break

9:30–10:00 AM

Technical Sessions 23–27

How New Methods of Nitrogen Treatment for Stormwater are Designed to Help Cape and Other Coastal Municipalities Meet Nitrogen TMDLs

Matt Lundsted, Comprehensive Environmental, Inc.
Nick Cristofori, Comprehensive Environmental, Inc.
Ray Cody, US EPA

A Multi-Faceted Approach to Addressing Nitrogen Sources in Exeter NH

Ed Leonard, Wright-Pierce
Andrew Morrill, Wright-Pierce

Combining Sewering with Non-traditional Technologies to Meet Nitrogen TMDLs in Dennis, Massachusetts

Kara Johnston, CDM Smith
David Young, CDM Smith

Eastham's Integrated Approach to Nutrient Management - Initial Implementation and Next Steps

Jessica Janney, GHD Inc.
Jane Crowley, Town of Eastham, MA
Anastasia Rudenko, GHD Inc.

Vulnerability of Water to Climate Uncertainty and How to Adapt Effectively

Frances Bui, CDM Smith
Lauren Klonsky, Kirk Westphal, and Shayne Wood, CDM Smith

Putting Evison to Work in Planning Sustainable Projects

Courtney Eaton, Carollo Engineers
Tracy Clinton and Brian Clow, Carollo Engineers

Urban Smart Sewering: Water and Energy Solutions for the Coming Century

Julie Wood, Charles River Watershed Association
Bruce Douglas, Natural Systems Utilities
Nigel Pickering, Charles River Watershed Association

Maximizing Long Term Reliability through Commissioning

Jen Muir, JKMuir

Wednesday
8:30–11:00 AM

Session 25

Safety—Safety Updates for Today's Plant Challenges

Moderators:

Dave Aucoin, Narragansett Bay Commission
James Laliberte, NEIWPPC

Suffolk

Session 26

CSO II—Wet Weather Conveyance Improvements and Impact Mitigation

Moderators:

Steven Freedman, AECOM
Virginia Roach, CDM Smith

Salon A/B

Exhibit Hall Break

9:30–10:00 AM

Technical Sessions 23–27

Letterman's... OSHA's Top Ten Safety Violations

David Horowitz, Tighe & Bond

Confined Space—Check Your Knowledge

David Wright, Weston & Sampson

Hazard Communication—What's the BIG deal?

David Wright, Weston & Sampson

Daily Work Hazards Due to Facility Construction

Adam Conley, Woodard & Curran

Construction Challenges of the Seekonk Combined Sewer Overflow (CSO) Interceptor

Roger Norton, CDM Smith
William Cotter, Mohammad Reza Jafari, and Robert Otosky, CDM Smith

A CSO Tunnel for a Century: Challenges of Planning and Design of the DC Clean Rivers Project

Rosa Castro-Krawiec, McMillen Jacobs Associates
Rafael Castro and Joel Kantola, McMillen, Jacobs Associates

Nashua Reduces CSOs with Green Infrastructure and Trenchless Technology

Nicholas Ellis, Hazen & Sawyer
Joseph Mendola, City of Nashua, NH

Capacity Assessment and Management Strategies to Control an Urban Stream in Lewiston, Maine

Jeff Beale, City of Lewiston, ME
Daniel Bisson and Robert Musci, CDM Smith

Wednesday
8:30–11:00 AM

Technical Sessions 23–27

Session 27

Asset Management II —Case Studies

Moderators:

Keith McHale, Consultant
Shelby Beauchemin,
Woodard & Curran

Simmons

Getting Started with Stormwater Asset Management in Westford, MA

Emily Scerbo, Tighe & Bond
Jeremy Downs, Town of Westford, MA

Groton, CT Pump Station Evaluation

Jen Zoppo, CH2M
Chris Lund, Town of Groton, CT
Eric Muir, CH2M

Master Facility Plan for the Bowery Bay WWTP

Benjamin Levin, Hazen and Sawyer
Anni Luck and Paul Saurer, Hazen and Sawyer
James Mueller, New York City DEP

Pulling it Together: Canton's Five-Year IWRMP Asset Management Implementation

Michael Trotta, Town of Canton, MA
Rod Lovely and Kirsten Ryan, Kleinfelder



Exhibit Hall Break

9:30–10:00 AM

Wednesday
1:00–3:00 PM

Technical Sessions 28–30

Session 28

Stormwater II—Earn Your Keep: Making Your BMPs Work Better

Moderators:

Aubrey Strause,
Fuss & O'Neill
Russell Parkman,
Ramboll Environ

Provincetown

Session 29

Plant Operations III— Operational Challenges and Solutions: Grit, Odor, Instrumentation and Primary

Moderators:

Tom Hazlett, Woodard &
Curran
Pam Westgate, Kleinfelder

Salon A/B

Selecting the Most Cost Effective BMPs for the Removal of Specific Nonpoint Source Pollutants

Jeffrey Herr, Brown and Caldwell

Optimization of Filter Media and System Configurations of Green Stormwater Infrastructure Technologies

Iulia Barbu, AECOM
Kevin Beuttell, Stantec
Thomas Ballestero, UNH Stormwater Center

Tools for Climate Change Adaptation— Intelligent Control of Green Infrastructure

Andrea Braga, Geosyntec Consultants
Kelly Havens, Geosyntec Consultants

The Development of Flow Simulation Tools for Permeable Pavement Systems

Iulia Barbu, AECOM
Thomas Ballestero, UNH Stormwater Center

Get the Grit Out! Manchester, NH's WWTP Grit System Upgrade Project

Fred McNeill, City of Manchester, NH
Stephen Calabro, Stantec

Case Study: Odor Control Evaluation and Corrective Action at the Stamford, CT WPCF

Jeffrey Pinnette, Wright-Pierce
Daniel Capano, City of Stamford, CT/Diversified
Technical Services, Inc.

Foam Accumulation and Mitigation in BNR Systems

Sarah Galst, Hazen and Sawyer
Michael Lynch and Paul Pitt, Hazen and Sawyer
Keith Mahoney, NYC DEP

Optimizing Clarifier Performance—Are We Designing the Clarifiers Right?

Jim Fitzpatrick, Black & Veatch
James Barnard, Bikram Sabherwal, and Mark Steichen,
Black & Veatch

Wednesday
1:00–3:00 PM

Technical Sessions 28–30

Session 30 Collection Systems III— Episode IV: A New Tech

Moderators:
Peter Garvey, Dewberry
Thomas Loto, Kleinfelder

Salon C/D

Innovative Odor and Corrosion Control Strategies for the Woodbridge Interceptor Sewer

Robert Bowker, Bowker & Associates
David Skibicki, Alaimo Group
Scott Thompson, Township of Woodbridge, NJ

Prioritizing Efforts Using SL-RAT to Reduce SSOs

Lindsey Donbavand, CDM Smith
Dan Murphy, CDM Smith

Welcome PACP Version 7.0: Introducing the New Standard for Pipe Asset Management

Laurie Perkins, Wright-Pierce

Cambridge Street Rehabilitation—Challenges of Trenchless Rehabilitation in Large Interceptors

Kara Keleher, Weston & Sampson
Frank Occhipinti, Weston & Sampson



Monday
8:30 AM – 4:30 PM

Session with Authors
1:30 – 3:30 PM

4th Floor

Poster Board Displays

Combined Odor Control and Enhanced Dewatering Alan Burke, Chemours, ADOX® Water Technologies

Phase 2 Upgrade to the Merrimack, NH WWTF— Advancing Nutrient Removal

Matthew Burns, Wright-Pierce

Church Street Pump Station—Vital Infrastructure for Thriving Beach Community

Michael Curry, Wright-Pierce

Glycerin Augmented BNR in an A2/O Process with Online Process Monitoring and Automation

Anthony Giovannone, Environmental Operating
Solutions, Inc.

Application of the Biotic Ligand Model to Derive Acute and Chronic Site-Specific Water Quality Criteria for Copper in the Little Androscoggin River

Patrick Gwinn, Integral Consulting, Inc.

Low Tech/High Performance Nitrogen Removal

Brooks Newbry, Aero-Mod, Inc.

Trenchless Technology Microtunneling and HDD Methods Bring Added Value to Wastewater Collection and Water Supply Systems

Maurice Ponti, Jr., Stantec

Novel Hydrolysis Process Produces Additional Biogas, Class A Biofertilizer, and a Carbon Source for BNR

Ajay Singh, Lystek International, Inc.

What is my General Duty to Prevent Releases?

Alan Stratton, Tighe & Bond

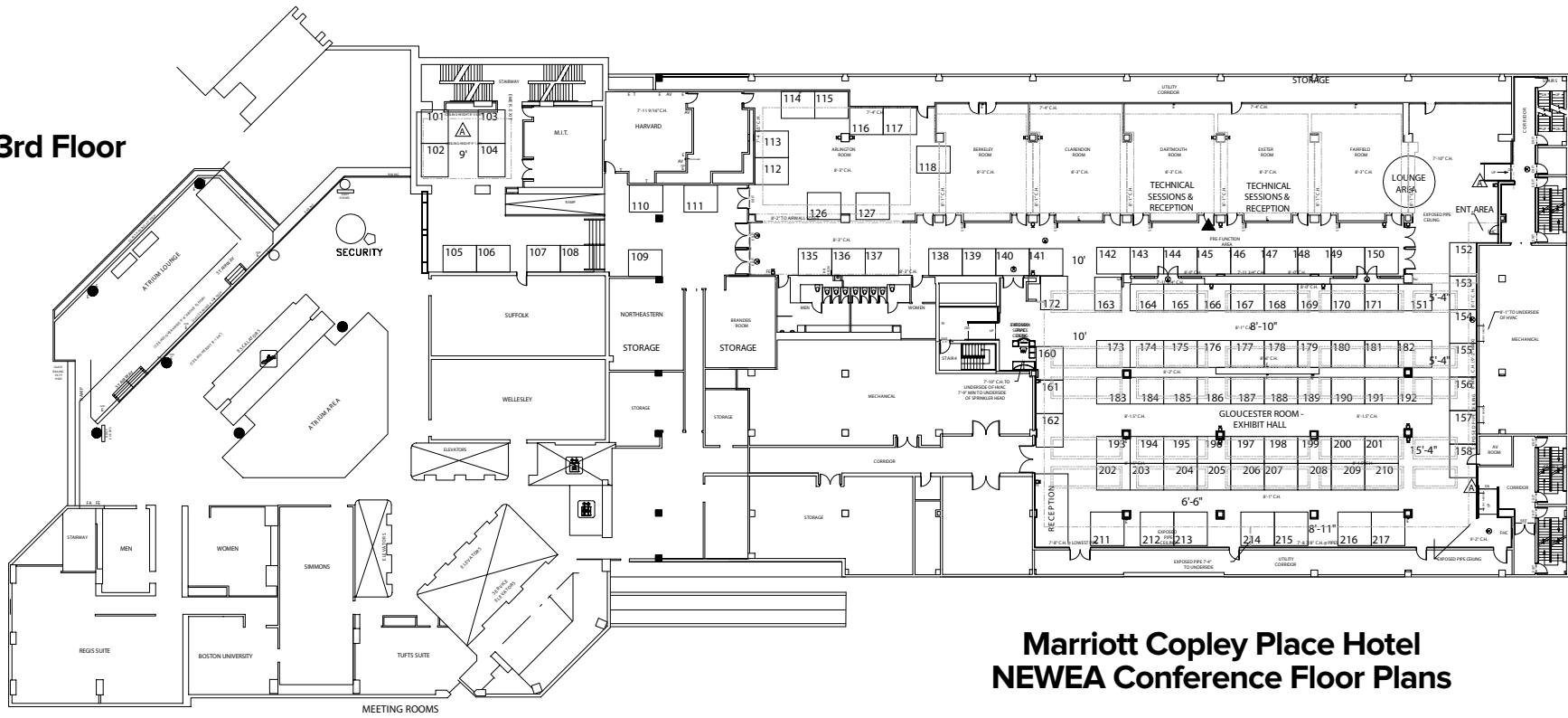
Challenges & Opportunities in Variable Speed Wastewater Pumping

Kristel Zaman, Xylem, Inc.

Urban Resilience Planning - How Ready are You?

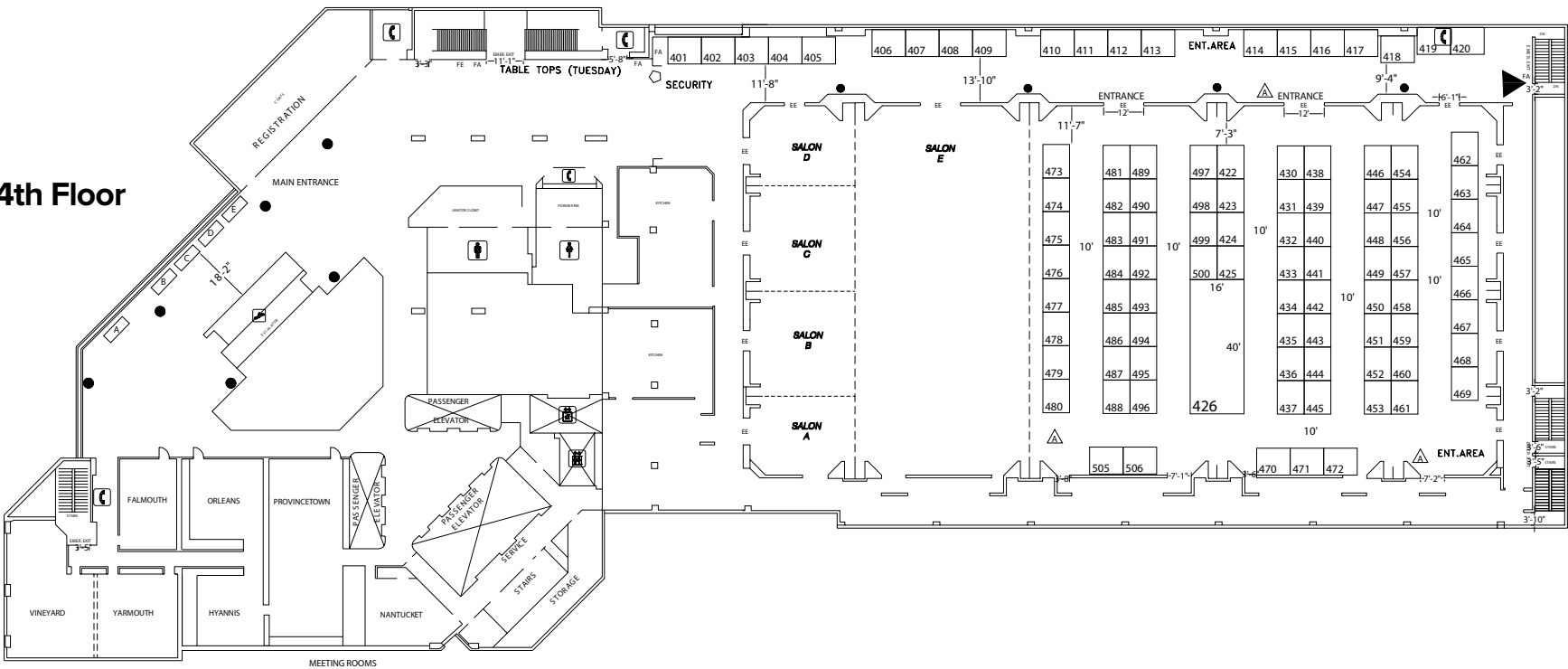
Kristel Zaman, Xylem, Inc.

3rd Floor



Marriott Copley Place Hotel NEWEA Conference Floor Plans

4th Floor



Tuesday
1:30 – 4:00 PM
Clarendon

Moderator:
Annalisa Onnis-Hayden,
Northeastern University

Graduate Student Technical Session

- Fighting the Rising Tide: Diminished Septic System Performance Due to Climate Change**
Jen Cooper, University of Rhode Island
- Technology Limit of Enhanced Biological Phosphorus Removal Process for Sustainable Phosphorus Removal and Recovery**
Yueyun Li, Northeastern University
- Rapid Quantification of Dissolved and Nanoparticulate Metals with SEC-ICP-MS**
Pooya Payday, Northeastern University
- Diversity Of Cyanobacteria in Lake Systems: Explaining Biogeographic Patterns Using a Neutral Agent-Based Model**
Sahar Shirani, Northeastern University
- Effects of Outer Membrane Vesicles on the Gram-negative Bacteria Population**
Masoud Mahdi Soltani, Northeastern University

Tuesday
9:30 AM – 3:30 PM
Session with Authors
11:00 AM – 12:30 PM
4th Floor

Student Board Display Competition

- Wastewater Treatment System Design Improvements at the American Farm School in Thessaloniki, Greece**
Nikos Kalaitzidis, Worcester Polytechnic Institute
- The Electrochemically-Induced Reduction of Nitrates and Trichloroethylene in Aqueous Solution**
David Berroa, Northeastern University
- Use of Ozone to Remove Soluble Organic Nitrogen from Wastewater**
Lindsey Carver, Northeastern University
- Recharging the City: Improving Stormwater Management and Groundwater Recharge for Redevelopment of the William E. Carter Field**
Greg Coyle, Northeastern University
- Lexington “Stream Team”**
Karen Chan, University of Massachusetts/Lowell
- Woburn MS4 Stormwater Management Program**
Stephanie Collins, University of Massachusetts/Lowell

Moderators

MODERATOR	AFFILIATION	SESSION NO.
Lisa Andrews	Barr Engineering Co.	11
Dave Aucoin	Narragansett Bay Commission	25
Iulia Barbu	AECOM	15
Cynthia Baumann	CDM Smith	23
Shelby Beauchemin	Woodard & Curran	27
David Bedoya	MWH	8
Angela Blanchette	Town of Scarborough, ME	15
Mike Bonomo	ADS Environmental Services	13
Vanessa Borkowski	Stantec	14
Dave Bowen	Wright-Pierce	3
Jeff Cantwell	Flow Assessment Services	4
Lori Carriero	Tighe & Bond	21
Patricia Chesebrough	Weston & Sampson	23
Matt Dickson	Process Technology, Inc.	6
Jim Drake	CDM Smith	4
Bob Dunn	Stantec	13
Ashley Dunn	Town of Framingham, MA	20
Steve Freedman	AECOM	26
Kevin Garvey	CDM Smith	9
Peter Garvey	Dewberry	30
Marcus Gay	Novus Technical Services	7
Tom Hazlett	Woodard & Curren	29
Lauren Hertel	Stantec	6
Jon Hume	Wright-Pierce	16
Joe Kietner	City of Chicopee, MA	17
Jim Laliberte	NEIWPC	25
Jamie Lefkowitz	Opti RTC	5
Ben Levesque	Tighe & Bond	10
Tom Loto	Kleinfelder	30
Keith McHale	Consultant	27
Fred McNeill	City of Manchester, NH	5
Dave Michelson	Essex Sewerage District	22
Andy Morrill	Wright-Pierce	12
John Murphy	Stantec	9
Kevin Olson	Wright-Pierce	20
Annalisa Onnis-Hayden	Northeastern University.... Graduate Student Session	
Russell Parkman	Ramboll Environ	28
George Pendleton	Martinez Couch & Associates	21
David Peterson	Kleinfelder	24
Chuck Pike	Black & Veatch	1
Dave Polcari	CDM Smith	17
Virginia Roach	CDM Smith	26
Robert Robinson	City of Manchester, NH	8
Ed Rushbrook	Process Analysis	10

MODERATOR	AFFILIATION	SESSION NO.
Robert Scherpf	AECOM	7
Natalie Sierra	Brown and Caldwell	2
Steve Sloan	Portland Water District	16
Eric Spargimino	CDM Smith	2
Aubrey Strause	Fuss & O'Neill	28
John Sykora	Weston & Sampson	19
Sandra Tripp	GHD	18
John Trofatter	Duperon Corporation	19
Tim Vadney	Wright-Pierce	18
Dave VanHoven	MWH	22
Vinta Varghese	CH2M	1
Austin Weidner	Tighe & Bond	14
Becky Weig	CH2M	3
Pam Westgate	Kleinfelder	29
Sarah White	UniFirst Corp	11
Mary White	MWRA	12
Meredith Zona	Stantec	24



Presenters

PRESENTER	AFFILIATION	SESSION NO.
Michael Aitken	University of North Carolina-Chapel Hill	1
Joe Allen	Stantec	20
Paula Anania	City of Portsmouth, NH	16, 18
Nancy Andrews	Brown and Caldwell	6
Patrick Antle	Protein Matrix LLC	7
Mike Baker	City of Portsmouth, NH	18
Thomas Ballestero	UNH Stormwater Center	28
Iulia Barbu	AECOM	28
Eric Barber	South Essex Sewerage District	9
Claire Barker	Engineers Without Borders – Boston Chapter	8
James Barnard	Black & Veatch	29
James Barsanti	Framingham Department of Public Works	5, 13
Cynthia Baumann	CDM Smith	4
Jeff Beaulé	City of Lewiston, ME	26
Bernard Beemster	ASA Analytics	
Chris Beling	US EPA	2
Garrett Bergery	Stacey DePasquale Engineering	15
Kevin Beuttell	Stantec	28
Matt Bianchi	Utility Cloud	12
Melanie Blake	Koch Membrane Systems, Inc.	14
Mike Bonomo	ADS Environmental Services	13
Andrew Boule	Town of Barnstable, MA	22
Renee Bourdeau	Geosyntec Consultants	15
Jeff Bowers	The MDC	6
Kevin Brander	MassDEP	13
George Brown	Hazen and Sawyer	21
Frances Bui	CDM Smith	24
Rachel Burckardt	Parsons Brinckerhoff	9
Stephen Calabro	Stantec	29
Thomas Cambareri	Cape Cod Commission	3
Robert Cantoreggi	Town of Franklin, MA	12
Daniel Capano	Diversified Technical Services, Inc.	19, 29
Michael Carle	Town of Hampton, NH	18
Michael Carroll	Stantec	4
Rafael Castro	McMillen Jacobs Associates	26
Rosa Castro-Krawiec	McMillen Jacobs Associates	26
Tracy Clinton	Carollo Engineers	24
Brian Clow	Carollo Engineers	24
Ray Cody	US EPA	22
Jen Cooper	Univ. of Rhode Island	Graduate Student Session
William Cotter	CDM Smith	26
Nick Cristofori	Comprehensive Environmental, Inc.	23
Joe Crosby	Narragansett Bay Commission	18
Jane Crowley	Town of Eastham, MA	23

PRESENTER	AFFILIATION	SESSION NO.
Matthew Davis	Brown and Caldwell	3
John DeGioia	Town of Southington, CT	2
Teri Demers	Woodard & Curran	15
Terry Desmarais	City of Portsmouth, NH	16
Allen Deur	New York City DEP	1
Paul Dombrowski	Woodard & Curran	1
Lindsey Donbavand	CDM Smith	30
Bruce Douglas	Natural Systems Utilities	24
Jeremy Downs	Town of Westford, MA	27
Marc Drainville	GHD Inc.	9, 22
Deborah Duhamel	Stantec	4
Courtney Eaton	Carollo Engineers	24
Kathryn Edwards	ARCADIS	12
Nicholas Ellis	Hazen and Sawyer	26
David Elmer	Weston & Sampson	30
Prashanth Emmanuel	Wright-Pierce	2
Michael Emond	Town of Manchester, CT	10
Don Esping	Brown and Caldwell	16
Richard Feminella	Town of Greenwich, CT	20
Jim Fitzpatrick	Black & Veatch	1, 29
Gerald Furrier	CDM Smith	20
Sarah Galst	Hazen and Sawyer	29
Seth Garrison	Woodard & Curran	5
Ruth Gay	Environmental Systems Corporation	22
Anthony Giovannone	Environmental Operating Solutions, Inc.	19
Karen Golmer	New England Water Innovation Network	7, 14
Boyd Gregg	Environmental Operating Solutions, Inc.	19
Sean Greig	Town of Newmarket, NH	18
Jon Gregory	Tata and Howard	12
Erik Grotton	Blueleaf Incorporated	16
April Gu	Northeastern University	1, 14
Patrick Gwinn	Integral Consulting, Inc.	10
Jeremy Hall	MWRA	4
John Hall	Hall & Associates	17
Melissa Hamkins	Wright-Pierce	17
Mohamed Hamoda	Kuwait University	2
W. Doug Hankins	Wright-Pierce	10
Joseph Hausmann	Wright-Pierce	20
Bradley Hayes	City of Tavares, FL	18
Michael Headd	Stantec	20
Zach Henderson	Woodard & Curran	15
Jeffrey Herr	Brown and Caldwell	3, 28
Lauren Hertel	Stantec	20
Brian Hickey	CDM Smith	12
Paul Hogan	Woodard & Curran	17
David Horowitz	Tighe & Bond	25
Paul Hughes	ElectraTherm Inc.	6
Jeffrey Hutton	Weston & Sampson	30

PRESENTER	AFFILIATION	SESSION NO.
Daniel Iannicelli	Fuss & O'Neill	9
Mohammad Reza Jafari	CDM Smith	26
Jessica Janney	GHD	23
Matthew Jermine	Fuss & O'Neill	9
Eric Johnson	Town of Framingham, MA	15
Rick Johnson	Clearas Water Recovery	7
Kara Johnston	CDM Smith	23
Anjana Kadava	Black & Veatch	1
Scott Kahle	ASA Analytics	19
Joel Kantola	McMillen Jacobs Associates	26
Jonathan Keaney	Brown and Caldwell	6
Kara Keleher	Weston & Sampson	30
Wendell Khunjar	Hazen and Sawyer	1
Lauren Klonsky	CDM Smith	24
Timothy Kucab	Tighe & Bond	6
Jonathan Kunay	CDM Smith	9
Joseph Laliberte	CDM Smith	4
Scott Landers	OptiRTC	3
Paul LaVigne	Montana DEQ	10
Kristen Lemasney	Wright-Pierce	16
Edward Leonard	Wright-Pierce	23
Benjamin Levin	Hazen and Sawyer	27
Yueyun Li	Northeastern University	Graduate Student Session
Marian Long	Gradient Planning LLC	5
John Lopes	Boston Water and Sewer Commission	12
Christopher Lorrain	LandTech Consultants	21
Rod Lovely	Kleinfelder	27
Mark Lowenstine	Polk County Utility District	5
Anni Luck	Hazen and Sawyer	27
Blake Lukis	Town of Framingham, MA	5
Chris Lund	Town of Groton, CT	27
Matthew Lundsted	Comprehensive Environmental, Inc.	23
Michael Lynch	Hazen and Sawyer	29
Jane Madden	CDM Smith	7
Keith Mahoney	NYC DEC	29
Kelly Martin	Black & Veatch	1
Margaret McCarthy	Utility Cloud	19
James McCaughey	Narragansett Bay Commission	6
William McConnell	CDM Smith	10, 16
Roy McKnight	ASA Analytics	19
Fred McNeill	City of Manchester, NH	29
Joseph Mendola	City of Nashua, NH	26
Erik Meserve	AECOM	16
Scott Michaud	Cape Cod Commission	3
David Michelsen	South Essex Sewerage District	9
Megan Moody	CDM Smith	16
Vincent Morello	Broward County Water & Wastewater Services	21
Andrew Morrill	Wright-Pierce	23

PRESENTER	AFFILIATION	SESSION NO.
Frederick Mueller	Tighe & Bond	2, 22
James Mueller	New York City DEP	27
Eric Muir	CH2M	27
Jen Muir	JKMuir	24
Dan Murphy	CDM Smith	30
Robert Musci	CDM Smith	26
Ryan Nagel	Hazen and Sawyer	21
Diane Nascimento	Brown and Caldwell	4
Roger Norton	CDM Smith	26
Kathleen O'Connor	NY State Energy Research & Development Authority	1
Fiona O'Donnell	Engineers Without Borders – UConn Chapter	8
Frank Occhipinti	Weston & Sampson	30
Annalisa Onnis-Hayden	Northeastern University	14
Erik Osborn	Woodard & Curran	5
Rachel Osborn	Woodard & Curran	5
Robert Otosky	CDM Smith	26
Pooya Payday	Northeastern University Graduate Student Session	
Rick Peebles	The MDC	6
Greg Pellerin	Woodard & Curran	5
Laurie Perkins	Wright Pierce	30
Richard Peter	Weston & Sampson	8
Dan Peterson	Town of Durham, NH	10
Anthony Piazza	Town of Simsbury, CT	22
Nigel Pickering	Charles River Watershed Association	24
Christopher Pierce	Wright-Pierce	10
Jeffrey Pinnette	Wright-Pierce	29
Paul Pitt	Hazen and Sawyer	29
Robert Polys	Woodard & Curran	8
Sanjay Puranik	Hazen and Sawyer	21
Aditya Ramamurthy	Hazen and Sawyer	21
Elizabeth Rand	Integral Consulting Inc.	11
Shawn Ready	Ted Berry Company, Inc.	21
Kerry Reed	Town of Framingham	15
Kelsey Reeves	Engineers Without Borders – UConn Chapter	8
Peter Rehage	Protein Matrix LLC	7
Mark Richards	Brown and Caldwell	4
David Richardson	Geosyntec Consultants	3
Albert Robbat	Tufts University	7
David Roman	Geosyntec Consultants	28
Daniel Roop	Tighe and Bond	18
Robert Roseen	Horsley Witten Group	17
Anastasia Rudenko	GHD	22, 23
Frank Russo	City of Meriden, CT	1
Kirsten Ryan	Kleinfelder	27
Nicholas Rystrom	City of Revere	9
Bikram Sabherwal	Black & Veatch	29
John Samuelian	Integral Consulting, Inc.	11
Paul Saurer	Hazen and Sawyer	27

PRESENTER	AFFILIATION	SESSION NO.
Joel Sawatzky	Stantec	20
Emily Scerbo	Tighe & Bond	27
Jim Schettler	Brown and Caldwell	6
Peter Sellers	Town of Framingham, MA	5
David Senus	Woodard & Curran	15
Robert Sharp	Manhattan College	1
Jay Sheehan	Woodard & Curran	14
Lindsey Shields	Wright-Pierce	16
Sahar Shirani	Northeastern University Graduate Student Session	
Masoud Mahdi Soltani	Northeastern University Graduate Student Session	
Timothy St. Germain	Fuss & O'Neill	11
Paul Stacey	Great Bay NERRS	15
Eric Staunton	Univ. of North Carolina-Chapel Hill/CDM Smith	1
Mark Steichen	Black & Veatch	1, 29
Bruce Stevens	ASA Analytics	19
Patrick Stevens	ADS Environmental Services	13
Michael Sullivan	MWH Global	4
Nick Tooker	Northeastern University	1
Steven Torres	Pannone Lopes Devereaux and West LLC	22
Elizabeth Troop	Fuss & O'Neill	11
Michael Trotta	Town of Canton, MA	27
Jason Turgeon	US EPA Region 1	2
Thomas Tyler	The MDC	6
Tim Vadney	Wright-Pierce	10
David VanHoven	MWH Global	4
Raymond Vermette	City of Dover, NH	16, 18
Yuqi Wang	Northeastern University	14
Linda Warren	Launch! Consulting, LLC	21
Jason Waterbury	The MDC	4
Alison Watts	University of New Hampshire	15
Grant Weaver	The Water Planet Company	10
Ray Weaver	Town of Manchester, CT	10
Teno West	Pannone Lopes Devereaux and West LLC	22
Kirk Westphal	CDM Smith	24
Kaela Wiklund	Town of North Attleborough, MA	18
Carl Wilcox	Woodard & Curran	11
Scott Williamson	Parsons Brinckerhoff	9
Karen Wong	GHD Inc.	9
Julie Wood	Charles River Watershed Association	24
Alex Wright	ClearCove	22
David Wright	Weston & Sampson	25
Henia Yacubowicz	Koch Membrane Systems, Inc.	14
David Young	CDM Smith	23
Mike Zabilansky	The MDC	6
Christian Zeigler	Protein Matrix LLC	7
Jen Zoppo	CH2M	27

Annual Business Meeting

MONDAY, JANUARY 25
8:00-8:30 AM

Welcome

Matt Formica, NEWEA President

Treasurer Report

FY 2015 Fiscal Report – **Frank Occhipinti**

2016 Officer Nominations

By vote of the Nominating Committee, I submit the following nominations in accordance with Article 9.3.1 of the NEWEA Constitution and Bylaws to the Executive Committee, for approval to place the state of officers before the membership at the NEWEA Annual Business Meeting on January 24, 2016:

- Vice President – **Janine Burke-Wells**
- Treasurer – **Priscilla Bloomfield** (1st yr)
- Council Director/Meeting Management – **Elena Proakis Ellis** (1st yr)
- Council Director/Communications – **Jennifer Lachmayr** (2nd yr)
- Council Director/Treatment, Systems Operations, and Management – **Mary Lee Santoro** (1st yr)
- WEF Delegate – **Fred McNeill** (WEFTEC 2016 – 2019)
- Maine Director – **Clayton “Mac” Richardson** (1st yr)
- New Hampshire Director – **Sean Greig** (1st yr)
- Secretary – **Gerald Potamis** (3rd yr)

In accordance with the provisions of Article 9.3.2 of the NEWEA Constitution & Bylaws, these Officers will advance to the following positions:

- President – **Raymond Willis**
- President-Elect – **James Barsanti**
- Past President – **Matthew Formica**

The remaining incumbents are fulfilling unexpired terms:

- Council Director/Collection Systems & Water Resources – **Virgil Lloyd** (3rd yr)
- Council Director/Outreach – **Jonathan Kunay** (2nd yr)
- WEF Delegate – **Michael Wilson** (through WEFTEC 2016)
- WEF Delegate – **Daniel Bisson** (through WEFTEC 2017)
- WEF Delegate – **Susan Sullivan** (through WEFTEC 2018)
- Connecticut Director – **Jay Sheehan** (3rd yr)
- Massachusetts Director – **Michael Moreau** (3rd yr)
- Rhode Island Director – **Michael Spring** (2nd yr)
- Vermont Director – **Nathan Lavallee** (2nd yr)

Adjourn

Matt Formica, NEWEA President

All nominees have indicated their willingness to serve.

Respectfully Submitted by the NEWEA Nominating Committee: Daniel Bisson (Chair), Mike Bonomo, Brad Moore, Mike Wilson, Jennifer Lachmayr.

Guest Program

MONDAY, JANUARY 25

Lunch – Top of the Hub

12:00 noon

Dutch Treat, not included in Registration – please no jeans

Exhibit Hall Reception

4:30-6:30 PM • 3rd Floor Exhibit Area

TUESDAY, JANUARY 26



Breakfast

7:30 AM • Regis

Flower Arranging 101

9:00 AM-3:00 PM • Coordinator: Joy Lord

In the middle of January, who doesn't need some fresh flowers for cheer? Following breakfast, we will explore all things flowers! Throughout the morning we'll make various tissue paper flowers – both large and small – and then move on to the fresh flowers. If you have ever wanted to know how to make an arrangement for your home, these instructions will help create a simple base from which to explore your own creativity. No two arrangements will look alike. We will make a very small arrangement in a unique vessel, a larger arrangement and, as usual, there will be a few surprises during the day.

Our lunch will be off property but in the mall, so a short walk INSIDE. No need to bring anything this year. Just yourself!

Exhibit Hall Reception

4:00–6:00 PM • 4th Floor Exhibit Area

Exhibitors

ABBA Pump Parts & Service

Booth #183

ABBA PARTS manufactures REPLACEMENT pumps, parts & assemblies to fit or replace brand name pumps used in municipal water & wastewater pumping facilities. Specializing in parts to fit Fairbanks Morse, Allis Chalmers, Worthington, Smith & Loveless.

Contact: Wendy Jamison, 5370 Munro Court, Burlington, Ontario, tel: (800) 268-5142, wendy_j@abbaparts.com, www.abbaparts.com

ACF Environmental, Inc.

Booth #416

ACF Environmental has provided innovative site development solutions for over 30 years and specializes in Stormwater Management Solutions for all Site Development, LID, and Green Infrastructure design challenges.

Contact: Leland Jones, 2831 Cardwell Rd, Richmond, VA 23234, tel: (800) 223-9021, ljones@acfenv.com, www.acfenvironmental.com

ADS Environmental Services (SILVER SPONSOR)

Booth #437, 445

ADS provides a full range of flow monitoring equipment and service as well as field capabilities for I&I and SSES study services. Accusonic is a leading provider of engineering flow monitoring solutions and Hydra-Stop is a worldwide provider of pipeline tapping, line stopping and valve insertion equipment.

Contact: Peter Frick, 51 Wentworth Ave., Ste 15, Londonderry, NH 03053, tel: (203) 725-4062, pfrick@idexcorp.com, www.adsenv.com

Advanced Drainage Systems, Inc.

Booth #162

ADS has established a reputation for leadership in the storm drainage, sanitary sewer and stormwater treatment/management industries by staying committed to the development of state-of-the-art products and services that set industry standards and help solve industry challenges. The ADS product line encompasses solutions for stormwater drainage, sanitary sewer, road/highway construction, residential/commercial development for turf/recreational applications, retention/detention systems, on-site leaching chambers and septic systems

Contact: Aaron Cheever, 58 Wyoming Street, Ludlow, MA 01056, tel: (978) 302-0650, aaron.cheever@ads-pipe.com, www.ads-pipe.com

AESC Utility Cloud

Booth C

Utility Cloud is a customized operations management system that accelerates and streamlines data collection and retrieval for visualization and analysis, allowing business decisions to be made more effectively and efficiently.

Allied Powers LLC

Booth #150

AllMax Software Inc.

Booth #195

Operator 101 water and wastewater software, Antero CMMS and Synexis pretreatment software. Data management and reporting software and comprehensive technical support services.

Contact: Doug Kilma, 911 South Main Street, Kenton, OH 43326, tel: (800) 670-1867, sales@allmaxsoftware.com, www.allmaxsoftware.com

ANUA International

Booth #410-413, 473, 474, 481, 482, 489, 490

Biofiltration System for Odor & VOC Control using Monashell Media, Sustainable and Reneqable with the ability to maintain a neutral pH within the Biofilter. Designed like a Biotrickling system yet incorporates many benefits of traditional units.

Contact: Casey Davis, PO Box 77457, Greensboro, NC 27417, tel: (336) 547-9338, casey.davis@anua.com, www.anuainternational.com, Wescor Associates, Inc.

AP/M CentriPipe

Booth #193

CentriPipe is the original centrifugally cast concrete pipe solution. Approved, installed, and trusted by DOT's and municipalities for proven, cost-effective, trenchless, structural spin-cast lining of culverts.

Contact: Tom Perry, PO Box 555, Johnston, IA 50131, tel: (800) 663-6465, info@permaform.net, www.centripipe.com, Multi Utilities Ventures LLC

Apollo Safety Inc.

Booth #210

Apollo Safety, Inc. is a leader in all things safety. From gas detection, both fixed and portable, to first aid and safety equipment, Apollo Safety offers sales and service of a world class nature.

Contact: Tracy Carvalho, 57 Walnut Street, Fall River, MA 02720, tel: (508) 673-2544, sales@apollosafety.com, www.apollosafety.com

Aqua Solutions, Inc. (GOLD SPONSOR)

Booth #452, 453, 460, 461, 469

Proudly representing: Aerzen, Amwell, Aquarius Technologies, Continental Blower, Egger Pump, FKC Co., Flowserve, Hydro International, Suez (IDI-Ozonias), Invent, JWC Environmental, KWS Mfg., RW Gate, Seepex, Dumpster-Veyor and Ostara.

Contact: Jim DeLuca, 154 West Grove Street, Middleboro, MA 02346, tel: (508) 947-5777, info@aquasolutionsinc.net, www.aquasolutionsinc.net

Aquagen Infrastructure Systems, Inc. (GOLD SPONSOR)

Booth #110

Integrated sustainable infrastructure systems including algae based wastewater treatment and nutrient reclamation with biomass based renewable energy resource development for sustainable communities.

Contact: Brian Braginton-Smith, 928 Route 28, West Yarmouth, MA 02673, tel: (508) 280-6909, bbs@aquagen-isi.ws, www.tccdevelopmentgroup.com, The Conservation Consortium

Aquamatrix by Water Analytics

Booth #199

US manufacturer of water and wastewater solutions. Areas of expertise are process monitoring and control. Standalone and networked controllers with instrumentation (pH, ORP, EC, Turbidity, Flow, DO, Level) are available along with technical support.

Contact: Jeffrey Aghjayan, 100 School Street, Andover, MA 01810, tel: (978) 749-9949, jaghjayan@wateranalytics.net, www.wateranalytics.net

Aquaturbo Systems, Inc.

Booth #410-413, 473, 474, 481, 482, 489, 490

Fixed low-speed bottom aerator/mixers, floating surface aerators, fixed low-speed surface aerators, screweller technology combines high efficiency with gentle action and complete mixing. Foam breakers and submersible mixers.

Contact: Tod Forquer, 1754 Ford Ave, Springdale, AZ 72764, tel: (479) 927-1300, tod.forquer@aquaturbo.com, www.aquaturbousa.com, Wescor Associates, Inc.

Aquionics Inc.

Booth #401-409

With over 30 years of experience, Aquionics has a full product portfolio (open channel, MP & LPHO closed vessel) for all municipal applications supported by 3rd party validations (NWRI, UVDGM).

Contact: Bree Trembly, 1455 Jamike Ave, Ste. 100, Erlanger, KY 41018, tel: (859) 341-0710, bree.trembly@aquionics.com, www.aquionics.com, F. R. Mahony & Associates

Aries Industries, Inc.

Booth #138

Aries Industries, Inc., manufactures inspection and rehabilitation equipment for underground infrastructure professionals. Sewer pipeline equipment includes video cameras and systems, cutting and grouting equipment, and custom-outfitted vehicles.

Contact: John Kudis, 550 Elizabeth Street, Waukesha, WI 53186, tel: (262)446-5633, john.kudis@ariesindustries.com, www.ariesindustries.com

ASA Analytics

Booth #410-413, 473, 474, 481, 482, 489, 490

ChemScan Analyzers are used widely for biological nutrient removal. ChemScan control helps plants reach 0.1 mg/l total Nitrogen removal on a continuous basis. ChemScan installations total 300+ installs in North America.

Contact: Bruce Stevens, 2325 Parklawn Dr. Ste 1, Waukesha, WI 53186, tel: (262) 391-8306, bps@chemscan.com, www.asaanalytics.com, Wescor Associates, Inc.

Asahi/America, Inc.

Booth #435, 436

Asahi/America is a complete solutions provider of corrosion resistant thermoplastic fluid handling systems including valves and pipe. We maintain a custom fabrication department and provide consultation, supervision and training where required.

Contact: Joe Durning, 655 Andover Street, PO Box 1108, Lawrence, MA 01843, tel: (800) 343-3618, asahi@asahi-america.com, www.asahi-america.com

Associated Electro-Mechanics Inc.**Booth #442, 443**

Contact: Mark Dubois, 185 Rowland Street, Springfield, MA 01107, tel: (413) 781-4276, mdubois@aemservices.com, www.aemservices.com

Atlantic Fluid Technology, Inc.**Booth #505**

Manufacturing representative for New England, specializing in process and flow control equipment: circular and rectangular clarifiers, mechanical screens and presses, CSO equipment, turbo blowers, fabricated and cast slide gates, flood control, tank covers, control valves, odor control, and hydraulic actuators

Contact: Simon Moseley, 354 West Boylston Street, Ste 221, West Boylston, MA 01583, tel: (508) 755-0440, simon@aftinc.com, www.aftinc.com

Atlas CopCo**Booth #410-413, 473, 474, 481, 482, 489, 490**

Contact: Zachary Azra, 15045 Lee Rd, Houston, TX 77032, tel: (832) 649-0119, zachary.azra@atlascopco.com, www.atlascopco.com, Wescor Associates, Inc.

BAU/HOPKINS**Booth #422-424, 430-432**

BAU/HOPKINS is a Multi-Man Manufacturer's Technical Representation serving the New England marketplace. We specialize in Chemical Feed Products & Systems, Fluid Process Systems along with the Instrumentation required to monitor these processes. BAU/HOPKINS has a close working relationship with the JWB company.

Contact: Alan Hopkins, 310 South Street, Plainville, MA 02760, tel: (508) 699-9300, ahopkins@bauhopkins.com, www.bauhopkins.com, BAU/HOPKINS

BDP**Booth #165**

Bilfinger Airvac Water Technologies**Booth #171**

Bilfinger Airvac Water Technologies is the world leader in vacuum sewer technology, with over 40 years of experience in planning, design, installation, and operation of vacuum systems.

Contact: Jim Docherty, 4217 N. Old US 31, Rochester, IN 46975, tel: (574) 223-3980, jim.docherty@bilfinger.com, www.airvac.com

Blake Equipment**Booth #462, 463**

Blake Equipment is a full service manufacturer's representative of pumps, controls, and prepackage treatment systems and odor control. We can provide design assistance to provide Peak Performance Solutions for water and wastewater projects. We represent HOMA pumps, Cornell, Myers, Goulds, Pulsed Hydraulic Mixing, Advanced Carbon, CSI Controls, ADI Water Solutions, QuantumFlo and more. With over 75 years of experience and multiple New England locations customers can count on us to provide fast, reliable service day or night every day of the year.

Contact: Ray Bahr, 4 New Park Road, East Winsor, CT 06068, tel: (860) 986-1072, ray.bahr@bghusa.com, www.blakeequip.com

Blue Water Technologies, Inc.**Booth #466**

Blue Water has 20+ years providing capable wastewater treatment solutions and environmental remediation. Our Eco MAT primary filter and Blue PRO® process for nutrient and metals polishing are representative of our cultural commitments to innovation and sustainability.

Contact: C.J. Strain, 10450 N Airport Rd, Hayden, ID 83835, tel: (888)710-2583, cjstrain@bluewater-technologies.com, www.blueh2o.net, Russell Resources, Inc.

BMC Corporation**Booth #187**

Contact: Rich Corsetti, PO Box 60, Pinehurst, MA 01866, tel: (781) 273-0398, rich@pipejetter.com, www.pipejetter.com

Boerger, LLC**Booth #154**

Boerger specializes in reliable and cost effective Rotary Lobe Pumps and Macerating Technology for the conveyance of low to high viscous and abrasive materials.

Contact: Pete Masson, 2860 Water Tower Place, Chanhassen, MN 55317, tel: (612) 435-7300, pma@boerger.com, www.boerger.com, The MAHER Corporation

Brentwood Industries, Inc.**Booth #156**

Brentwood offers solutions for highly diverse worldwide industries, including engineered water and wastewater treatment systems such as 100% non-metallic chain and flight collectors, tube settlers, trickling filters, submerged fixed-film media, and sediment dredge systems.

Contact: David Barrasse, 500 Spring Ridge Drive, Reading, PA 19610, tel: (610)374-5109, water@brentwoodindustries.com, brentwoodindustries.com, The MAHER Corporation

Burt Process Equipment**Booth #181**

Burt Process Equipment specializes in systems for Municipal and Industrial Markets. Featuring PolymerPlus & ChemPlus blending/feed systems, Flowline Radar Level Monitoring Systems & Grundfos pumps. Burt Process is proud to partner with Peabody Engineering Plastic Tank Systems, Pulsafeeder Manual Polymer Makedown Systems and Pulsatron chemical metering pumps.

Contact: Kimball Putnam, 100 Overlook Dr., Hamden, CT 06514, tel: (203) 287-1985, kimballputnam@burtprocess.com, www.burtprocess.com

C. N. Wood Co, Inc.**Booth #188**

C.N. Wood is New England's premiere distributor for Environmental Equipment. Carrying such lines as Elgin, Vactor, Rapidview, New Way, Gradall and more.

Contact: Michaela Klofac, 200 Merrimac Street, Woburn, MA 01801, tel: (781) 935-1919, mklofac@cn-wood.com, www.cn-wood.com

Cabot Norit Activated Carbon**Booth #417**

Cabot Norit Activated Carbon is one of the world's largest and oldest manufacturers and marketer of Activated Carbons, along with Related Storage & Dosing Equipment. That specializes, but is not limited to potable and wastewater purification as well as DARCO H2S for odor control.

Contact: Howie Yerger, 3200 University Ave, Marshall, TX 75670, tel: (800) 641-9245, howard.yerger@cabotcorp.com, www.cabotcorp.com

Carl Lueders & Company**Booth #485**

Manufacturers' representative for a variety of instrumentation and controls equipment. Sensors include level, flow, pressure, temperature and analytical types. Monitors include panel meters, pump controllers, recorders, and wireless telemetry equipment. Brand names include Telog Instruments, Badgermeter, KPSI and Kessler Ellis Products.

Contact: Mark Lueders, 258 Main Street, Unit #6, Medfield, MA 02052, tel: (508) 359-7577, marklueders@cs.com, www.luederscompany.com

Carlsen Systems, LLC**Booth #425**

Contact: Craig Burmeister, 176 Amity Rd. #102, Woodbridge, CT 06525, tel: (203)663-1314, www.carlsensystems.com

Carter Pump**Booth #102-104**

For over 63 years, manufacturer of high quality Plunger Pumps. Also Diaphragm Pumps and Marlow Plunger Pump Replacement Parts.

Contact: Roberto Lopez, 326 South Dean Street, Englewood, NJ 07631, tel: (800) 568-9798, rlopez@carterpump.com, www.carterpump.com, Mechanical Solutions, Inc.

Carus Corporation**Booth #494**

Carus Corporation manufactures a range of products for the municipal and industrial markets, with the majority of our product uses being environmental applications and water treatment.

Contact: Luis Hernandez, 315 Fifth Street, Peru, IL 61354, tel: (800) 435-6856, mizziness@gmail.com, www.caruscorporation.com

Casella Organics**Booth #143**

Casella Organics is an industry leader in the transportation, management, beneficial reuse, and marketing of organic and mineral resources including short paper fiber, ash, liming agents, food wastes, biosolids, and compost. Our experience and knowledge with liquid and solid residuals help clients build, manage and maintain sustainable and effective resource solutions.

Contact: Jen McDonnell, 110 Main Street, Suite 1308, Saco, ME 04072, tel: (207) 347-3600, jen.mcdonnell@casella.com, www.casellaorganics.com

Cerlic Environmental Controls, Inc. Booth #410-413, 473, 474, 481, 482, 489, 490

Portable multi-tracker controller and sensor with control box for process control.

Contact: Jim Radney, Po Box 420097, Atlanta, GA 30342, tel: (404) 256-3097, jradney@cerlicusa.com, www.cerlicusa.com, Wescor Associates, Inc.

ClearStream Environmental Booth #152-158, 182

Manufacturer of Liquid Solids Separation and biological process equipment.

Contact: Jeff Belnap, 9547 S. 500 W., Sandy, UT 84070, tel: (801)676-1890, jeff.b@clearstreameng.com, www.clearstreameng.com, The MAHER Corporation

Continental Carbon Group Booth #465

Manufacturer and supplier of products and systems for odor control. Continental Carbon acquired the Odor Control Division formerly of Calgon Carbon Corporation in 2014, which includes a range of proven technologies with a well-established installation base in municipal odor control applications.

Contact: 1100 South Service Rd., Ste 321, Stoney Creek, Ontario L8E 0C5, tel: (905) 643-7615, www.continental-carbon.com, Russell Resources, Inc.

Coyne Chemical Environmental Services Booth #111

Providing performance based chemical solutions to the municipal and industrial water and wastewater treatment industries. We are a full line chemical distributor offering onsite bench testing followed by in-plant trials to validate performance. Treatment options including biosolids separation, odor and corrosion control, membrane cleaners, phosphorus removal, heavy metals reduction, disinfection/CSO outfall treatment and much more.

Contact: Kevin Brassard, 3015 State Road, Croydon, PA 19021, tel: (215) 785-3000, kbrassard@coynechemical.com, www.coyneenvironmental.com

Cretex Specialty Products, Inc. Booth #139

Leading manufacturer of manhole rehabilitation products, including mechanical chimney seals, PRO-RING manhole adjustment system including round, square, and rectangular adjustment rings, pipe joint seals, lid plugs, lid gaskets, and inflow dishes.

Contact: Robin Wolf, N16W23390 Stoneridge Dr Ste A, Waukesha, WI 53188, tel: (262) 542-8153, rwolf@cretexseals.com, www.cretexseals.com

CSI Controls Booth #415

Specializes in designing and fabricating control systems for water and wastewater applications. CSI Controls (PRIMEX) designs complete custom systems to meet your specific needs, no matter how unique.

Contact: Greg Harmon, 220 Ohio Street, Ashland, OH 44805, tel: (800) 363-5842, greg.harmonco@gmail.com, www.csicontrols.com, Harmon & Co., Inc.

CST Covers Booth #176**CUES Booth #109**

CUES provides Full-Circle Solutions for sewer line inspection and condition assessment, pipeline rehabilitation, grouting of mainline pipe joints, lateral services and manholes. CUES offers truck-mounted systems, laser/sonar profiling systems, transporters, cameras, cutters, and asset inspection/decision support software.

Contact: Terri Mooney, 3600 Rio Vista Avenue, Orlando, FL 32805, tel: (800) 327-7791, terrim@cuesinc.com, www.cuesinc.com

David F. Sullivan and Assoc., Inc. (BRONZE SPONSOR) Booth #173

We are proud to be highlighting some key products including BioMag and CoMag, Duperon screens, Medora Corp/SolarBee mixers as well as several solutions for low N and P limits. Please stop by Booth #175 and learn more about Inovair's quiet and efficient turbo blowers and EDI's Streamline Diffusers.

Contact: Dave/Mike Sullivan/Sullivan, 19 Batchelder Rd, Ste 2B, Seabrook, NH 03874, tel: (603) 474-2484, info@davidfsullivan.com, www.davidfsullivan.com

DeZURIK, Inc. Booth #487

DeZURIK invented the eccentric plug over 75 years ago for the municipal marketplace and along with APCO and Hilton Valve has continued to expand their offerings of knife gates; control, butterfly, air-release, and check valves.

Contact: Eb Fuchs, 250 Riverside Ave North, Sartell, MN 56377, tel: (320) 259-2000, eb.fuchs@dezurik.com, www.dezurik.com, Atlantic Fluid Technology, Inc.

DN Tanks Booth #478

DN Tanks specializes in the design and construction of AWWA D-110 Prestressed Concrete Tanks for storage and treatment of potable water, wastewater, and other liquids.

Contact: Chris Hodgson, 11 Teal Road, Wakefield, MA 01880, tel: (781) 246-1133, chris.hodgson@dn tanks.com, www.dntanks.com

Duall (Div MetPro) Booth #410-413, 473, 474, 481, 482, 489, 490

Duall Division has been the leader since 1964 in fabricating and marketing odor-pollution control systems. The Duall systems include horizontal and vertical chemical scrubbers, carbon absorbers, the AroBIAS Bio-Scrubber. Our high-quality products combined with competitive pricing make Duall the product of choice with municipalities.

Contact: Craig Thornton, 150 Industrial Drive, Owosso, MI 48867, tel: (989) 725-8184, cthornton@cecoenviro.com, www.mpeas.com, Wescor Associates, Inc.

Duke's Root Control (BRONZE SPONSOR) Booth #467

Duke's Root Control, Inc. is a full-service root-control company dedicated to keeping sewer systems free of tree root intrusion and growth.

Contact: Larry Aldrich, 1020 Hiawatha Blvd., West, Syracuse, NY 13204, tel: (315) 472-4781, larry@dukes.com, www.dukes.com

Duperon Corporation Booth #167

Duperon Corporation is the leader in simple, adaptable screening technologies and provides solutions for coarse, fine and perforated plate screenings, washer compactors and equipment. Let's build a system that works for you.

Contact: Sarah Courtright, 1200 Leon Scott Court, Saginaw, MI 48601, tel: (800) 383-8479, scourtright@duperon.com, www.duperon.com, David F. Sullivan & Associates, Inc.

Eastern Pipe Service Inc. Booth #169

Sewer system evaluation, maintenance and rehabilitation. Over 50 years experience serving New England region. Located in Bow, NH and service CT, NH, ME, RI, MA, VT.

Contact: Hubert Thompson, 2 Thibeault Dr., Bow, NH 03304, tel: (603)424-4600, hthompson@felixseptic.com, www.easternpipeservice.com

ECOInsight Instruments Ltd. Booth #146

The FOGWISE™ smart meter is an ultrasonic based, multi-phase level sensor that detects the volume of fats, oils and grease (FOG) and solids in a grease interceptor and wirelessly transmits that data to a networked control panel.

Contact: Phil Beckman, 2596 Dunwin Drive, Mississauga, Ontario L5L 1J5, tel: (905) 569-7357, pbeckman@ecoinsightinstruments.com, www.ecoinsightinstruments.com

Enaqua Booth #455

Enaqua is a Vista (San Diego), California based Grundfos Innovation Company that provides water treatment solutions for municipal and industrial customers. Enaqua's dedication to provide the most innovative and best available technology has put Enaqua at the forefront of the water and wastewater industry. Our vision is to keep doing what we do and provide our customers with "Safe Water, Simplified."

Contact: Rick McIntyre, 2410 Birch Street, Vista, CA 92081, tel: (760) 599-2644, info@enaqua.com, www.enaqua.com, Russell Resources, Inc.

Enduro Composites, Inc. Booth #488

FRP Solutions for Water & Wastewater Treatment Plants, including:FRP Baffle Walls, FRP Flat Covers, and Odor Control Equipment

Contact: Kyle Montgomery, 16602 Central Green Blvd, Houston, TX 77032, tel: (713) 358-4000, kmontgomery@endurocomposites.com, www.endurocomposites.com, Atlantic Fluid Technology, Inc.

Entex Technologies, Ltd. Booth #410-413, 473, 474, 481, 482, 489, 490

Contact: Jason Bowman, 400 Silver Cedar Court, Ste. 260, Chapel Hill, NC 27514, tel: (919) 619-9487, jason.bowman@entexinc.com, www.entexinc.com, Wescor Associates, Inc.

Environment One Corporation**Booth #401-409**

Whether you're replacing failed septic systems or building out a new community, find out how E/One Sewers can make flat, wet, rocky, or hilly sites workable and cut your sewer costs up to 50%.

Contact: Christopher Nedwick, 2773 Balltown Rd., Niskayuna, NY 12309, tel: (518) 346-6161, eone@eone.com, www.eone.com, F. R. Mahony & Associates

Environmental Dynamics, Inc. (EDI)**Booth #175**

Environmental Dynamics International (EDI) specializes in the development and application of advanced technology aeration and biological treatment solutions for municipal and industrial wastewater. The professionals and engineers at EDI provide the highest level of value added service, technology transfer, process application and system design support. EDI is a full service organization and provides field contract services for equipment installation, start-up and maintenance with demonstrated success in more than 7,000 installations in over 100 countries worldwide.

Contact: Suzanne Dill, 5601 Paris Road, Columbia, MO 65202, tel: (573)474-9456, EDI.northamerica@wastewater.com, www.wastewater.com, David F. Sullivan & Associates, Inc.

Environmental Operating Solutions, Inc.**Booth #449**

Environmental Operating Solutions, Inc. (EOSi) offers their MicroC™ proprietary line of premium carbon sources, as well as, a suite of objective based solutions and services to help customers meet their nutrient limits.

Contact: Isabelle Montes, 160 MacArthur Blvd., Ste 6, Bourne, MA 02532, tel: (508) 322-3086, imontesi@microc.com, www.microc.com

eRPortal Software, Inc.**Booth #204**

eRPortal Software, Inc. provides mobile and web-enabled Asset & Maintenance Management and Materials Tracking software solutions for Utilities and Municipalities.

Contact: Ed Garibian, 59 Interstate Drive, Ste 30, West Springfield, MA 01089, tel: (413) 233-5400, egaribian@erportalsoftware.com, www.erportalsoftware.com

EST Associates, Inc. (GOLD SPONSOR)**Booth #492**

EST Associates, Inc. (EST) is an environmental services company providing safe, reliable, and cost effective collection system services including: open channel flow monitoring, telemetry systems, water quality monitoring, manhole inspections, CCTV investigations, and related field services.

Contact: John Carlin, 51 Fremont Street, Needham, MA 02494, tel: (781) 455-0003, jcarlin@estassociates.com, www.estassociates.com

Evoqua Water Technologies (formerly Siemens Water)**Booth #166**

Evoqua Water Technologies helps consulting engineers and municipalities meet evolving water/wastewater treatment standards through leading brands including Envirex, MEMCOR, Wallace and Tiernan, Jet Tech, RJ Environmental, JWI and USFilter.

Contact: Robert Biase, 181 Thorn Hill Road, Warrendale, PA 15086, tel: (724)312-3336, robert.biase@evoqua.com, www.evoqua.com, David F. Sullivan & Associates, Inc.

F. R. Mahony & Associates, Inc.**Booth #401-409**

Manufacturers' representative for water and wastewater treatment systems. Stocking distributor and service provider for E/One sewer systems. Manufacturer of Amphidrome® advanced treatment solutions-- the next generation in nitrogen removal for small wastewater systems, Featuring Aquionics, Environment One, Fiberglass Fabricators, Franklin Miller, High Tide, Kruger, Lightnin/SPX, MGD Process Technologies, OR-TEC, Pinnacle Ozone, Purafil, Veolia Water, and Walker.

Contact: Ed Quann, 273 Weymouth Street, Rockland, MA 02370, tel: (781) 982-9300, edquann@frmahony.com, www.frmahony.com / www.amphidrome.com, F. R. Mahony & Associates

Fairfield Service Co.**Booth #410-413 & 473-474 & 481-482 & 489-490**

Manufacture of Catenary Bar Screens, Clan Climber Screens, Grit Collectors, Rectangular Clarifiers, Lock Link Screens with durable raking device and belt conveyors.

Contact: James Wilson, 2890 Harding Hwy East, Suite A, Marion, OH 43302, tel: (219)872-3000, wilsonj@fairfieldservice.com, www.fairfieldservice.com, Wescor Associates, Inc.

Fiberglass Fabricators, Inc.**Booth #401-409**

FFI manufactures FRP-Products for the water and wastewater industries; FRP tank covers; launder-covers, weirs, baffles, density-current-baffles, troughs, stop logs, parshall-flumes, FRP grating-handrail-stairs, and custom FRP fabricators.

Contact: Phil Dushkewich, 964 Douglas Pike, Smithfield, RI 02917, tel: (401) 231-3552, pdushkewich@fibfab.com, www.fibfab.com, F. R. Mahony & Associates

Flood Control International Inc.**Booth #505**

Designer and supplier of the widest range of flood barriers, flood gates and flood doors for commercial and industrial sites. Barriers also available for very long spans and wide area defences.

Contact: Tim Collingwood, 3 Elk Street, Lower Level, New York, NY 10007, tel: tim.collingwood@floodcontrolint.com, www.floodcontrolinternational.com, Atlantic Fluid Technology, Inc.

Flottweg Separation Technology Inc.**Booth #176**

Flottweg Separation Technology, Inc. is a successor company of Dorr Oliver, Inc., formerly based in CT. Flottweg manufactures the latest line of thickening and dewatering centrifuges to the highest standards. Energy efficient VFD drives, stainless steel wetted parts and ISO 9001 quality are important features. Successful New England wastewater installations operate in RI, CT and ME.

Contact: Robert Rhea, 10700 Teobben Drive, Independence, KY 41051, tel: (859) 448-2300, sales@flottweg.net, www.flottweg.com, David F. Sullivan & Associates, Inc.

Flow Assessment Services LLC (GOLD SPONSOR)**Booth #135, 136**

Flow Assessment Services provides high quality services in the field of sewer system surveys, I/I studies and specializes in long (wireless) and short-term flow monitoring.

Contact: Paul Patrick Casey, 84 Daniel Plummer Rd., Goffstown, NH 03045, tel: (603) 646-9799, p2casey@flowassessment.com, www.flowassessment.com

FlowWorks Inc.**Booth #201**

FlowWorks contains a powerful suite of data collection, monitoring, analysis, and reporting tools enabling you to efficiently manage all your monitoring systems through a single web interface.

Contact: Mike Scott, 606 Maynard Ave S, Ste 251, Seattle, WA 98104, tel: (206) 512-0045, mscott@flowworks.com, www.flowworks.com

Flygt Products - A Xylem Brand**Booth #141**

FLYGT, a Xylem brand, is the world's leading manufacturer of submersible pumps and mixers for the municipal and industrial markets. They are ideally suited for wastewater and clean water applications.

Contact: Brendan Kennedy, 78K Olympia Avenue, Woburn, MA 01801, tel: (781)935-6515, brenndan.kennedy@xyleminc.com, www.xyleminc.com

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Weir-Wolf is a stainless steel, spring-loaded brush system for cleaning the weirs, baffles and launders of circular clarifiers and thickeners with 1,900 units installed in the US.

Contact: Scott Perry, PO BOX 2110, Richmond, KY 40476, tel: (859)624-1077, sperry@fordhall.com, www.fordhall.com, David F. Sullivan & Associates, Inc.

Fournier Industries**Booth #456**

Contact: Brett McQuade, 2714 3rd Avenue West, Bradenton, FL 34205, tel: (941)748-8549, b.mcquade@rotary-press.com, www.fournierindustries.com, Russell Resources, Inc.

Franklin Miller, Inc.**Booth #401-409**

An innovative force in wastewater grinding for in-line, open channel, septic receiving, screening technology, and gravity systems.

Contact: Joe Macula, 60 Okner Parkway, Livingston, NJ 07039, tel: (973) 533-6457, jmacula@franklinmiller.com, www.franklinmiller.com, F. R. Mahony & Associates

FW Webb - Process Controls Division**Booth #205**

Manufacturers' representative and services organization serving the control instrumentation and valve automation needs of the environmental community, including provision of NIST-traceable instrument field calibration and commissioning. Representing Endress+Hauser.

Contact: John Downey, 37 South Maple Street, Bellingham, MA 02019, tel: (508) 865-5600, john.downey@fwwwebb.com, www.fwwwebb.com

Gabriel Novac & Associates Ltd.**Booth #168**

GNA designs and manufactures CSO and stormwater equipment such as the HYDROSLIDE flow regulators, HYDROSELF, HYDROSELF ROUND, HYDROFLUSH, and AUTOFLUSH flushing systems; HYDROSTYX storage maximizer, HYDROM.E.S.I. stormwater treatment, HYDROCLEAN fine brush screen, HYDROSCREEN fine raked bar screen, HYDROSWITCH, HYDROCHECK, HYDROGUARD & HYDROBEND complete the GNA, Inc. CSO product line. "NEW" HYDROK Fine Screen.

Contact: Gabriel Novac, 11 Spellman Rd., Plattsburgh, NY 12901, tel: (866)746-2276, gnovac@gnacso.com, www.gnacso.com, David F. Sullivan & Associates, Inc.

Grande Water Management Systems**Booth #479**

Grande Water Management systems specializes in Stainless Steel equipment for CSO Management, SSO Abatement, Stormwater Management and Wastewater Management. Flow & Level Control, Tank & Sewer Flushing, Overflow Screening.

Contact: Francis Grande, 3950 Montee Masson, Laval, QU H7B 1C4, tel: (450) 315-1115, sales@grandeinc.com, www.grandeinc.com, Atlantic Fluid Technology, Inc.

Grease Guardian**Booth #208**

Grease Guardian are manufacturers of high quality stainless steel automatic grease removal units, with over 25 years worldwide experience in wastewater management and grease recovery.

Contact: Des Guardian, 96 Onondaga Street, Yonkers, NY 10704, tel: (800) 677-7861, des@greaseguardian.com, www.greaseguardian.com

Green Mountain Pipeline Services (GOLD SPONSOR)**Booth #491**

Green Mountain Pipeline Services cleans, inspects, repairs and rehabilitates water, storm & sewer pipelines and their related structures throughout New England and New York.

Contact: Tim Vivian, 244 Waterman Rd, Royalton, VT 05068, tel: (802) 763-7022, info@greenmountainpipe.com, www.greenmountainpipe.com

Ground Penetrating Carbon, Inc.**Booth #217**

Ground Penetrating Carbon, Inc. is a team of skilled experts who design and sell GPC Processes that are added to tertiary wastewater treatment systems. GPC Processes substantially reduce nitrogen, and CECs in the effluent of treated wastewater.

Contact: Benjamin Hughes, 205 Worcester Ct., Ste A4, Falmouth, MA 02540, tel: (508) 548-3564, bhughes@groundpenetratingcarbon.com, www.groundpenetratingcarbon.com

Grundfos Water Utility**Booth #177**

Grundfos offers total pumping solutions on any scale. Our decades of vast proven experience in developing controllers, motors and monitoring systems provide a complete offering in optimum pumping solutions.

Contact: Tim Fortner, 3905 Enterprise Court, Aurora, IL 60504, tel: (630)236-5500, tfortner@grundfos.com, David F. Sullivan & Associates, Inc.

Hach Company**Booth #202**

Hach has a complete portfolio of solution-based lab and process instruments, chemistries, and data management software with support and services to help you get the right results.

Contact: Amy Pollock, 5600 Lindburgh Drive, Loveland, CO 80538, tel: (800) 227-4224, apollock@hach.com, www.hach.com

Hampshire Pump & Equipment LLC**Booth E**

Manufacturing representative for New England, specializing in peristaltic and progressive cavity pumps, pinch and check valves, static mixers and dispersion systems, magnetic couplings, packaged pump stations for w/ww, corrosion-resistant composite pumps and parts, and bolted steel tanks.

Contact: Richard Slingsby, 497 Hooksett Rd, Ste 262, Manchester, NH 03104, tel: (603) 540-1608, raslingsby@aol.com

Hanna Instruments**Booth #207**

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Contact: 584 Park East Drive, Woonsocket, RI 02895, tel: (800) 426-6287, mktg@hannainst.com, www.hannainst.com

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Custom-engineered activated sludge plants for advanced BNR with unparalleled ease of operation and maintenance and no moving parts in the water.

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Hayes Pump, Inc. (BRONZE SPONSOR)**Booth #470, 471, 472**

Founded in 1898 Hayes Pump, Inc. is a full service distributor offering pumps, parts, service, and repair for the following manufacturers: Pentair Fairbanks-Nijhuis, Pentair Aurora Pump, The Gorman-Rupp Company, Chemineer Mixers, Grundfos Pumps, John Crane Company, Lobe-Pro Rotary Pumps, MET-PRO GPS Fybroc Division, Mission Communications, Ramparts AOD Pumps, Viking Pump, Warren-Rupp Sandpiper, and Xylem Goulds Water Technology. For further information please call 978-369-8800 or send an E mail to sales@hayespump.com. Also please visit our website at www.hayespump.com

Contact: Craig Huff, 66 Old Powder Mill Road, West Concord, MA 01742, tel: (978)369-8800, sales@hayespump.com, www.hayespump.com

Hazen and Sawyer (SILVER SPONSOR)**Booth #459**

Hazen and Sawyer (Silver Sponsor) Booth #467. Since our founding in 1951, Hazen and Sawyer has focused on two things: providing safe drinking water and controlling water pollution. Our range of services encompasses the planning, design, and construction management of water and wastewater-related projects, from clean water treatment, storage, and distribution to wastewater and stormwater collection, treatment and reuse.

Contact: Frank Ayotte, fayotte@hazenandsawyer.com or Sherri Marin, smarin@hazenandsawyer.com, 24 Federal Street, 5th Floor, Boston, MA 02110, tel: (617) 574-4747, fax: (617) 574-4799, www.hazenandsawyer.com

High Tide Technologies**Booth #401-409**

Cloud-based SCADA supplier using Cellular, Satellite, and Ethernet communications. Monitoring and control for water, wastewater, natural gas, and just about anything else you can imagine.

Contact: David B. Mundie, PhD, PO Box 100189, Nashville, TN 37224, tel: (615) 256-6678, david.mundie@hightidetechologies.com, www.hightidetechologies.com, F. R. Mahony & Associates

HOBAS Pipe USA**Booth #142**

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Holland Company**Booth #500**

New England's leading manufacturer of high quality inorganic coagulants for phosphorus reduction and settling enhancement. Sodium Bisulfite for dechlorination.

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Hydro Gate Corp.**Booth #495**

Hydro Gate has a long-standing reputation for providing superior quality water control gates for multiple industries. We manufacture heavy-duty gates that are custom built to match specific applications.

Contact: Gary Boehler, 7010 Broadway, Ste 400, Denver, CO 80221, tel: (303) 288-7873, gboehler@hydrogate.com, www.hydrogate.com, Atlantic Fluid Technology, Inc.

Hydro Logic**Booth #493**

Hydromatic Pump - Pentair**Booth #102-104**

Contact: Derek Zeh, 740 East 9th Street, Ashland, OH 44805, tel: (518) 496-9867, gmacdonald@msipump.com, www.hydromatic.com, Mechanical Solutions, Inc.

Innovyze **Booth #197**

Innovyze is a leading global provider of water engineering and business analytics software solutions designed to meet the technological needs of water and wastewater utilities, government agencies, and engineering organizations worldwide.

Contact: Rajan Ray, 27 Eldred Ct., Wakefield, MA 02879, tel: (401) 932-4631, rajan.ray@innovyze.com, www.innovyze.com

Inovair **Booth #164-168, 173-177**

Inovair is a U.S. manufacturer of modern high-efficiency compact, integrally-g geared turbo blowers and blower packages engineered for wastewater, pneumatic conveying, aircraft ground support equipment and other industrial applications.

Contact: Glen Roderique, 14801 W. 114th Terrace, Lenexa, KS 66215, tel: (855)466-8247, glen.roderique@inovair.com, www.inovair.com, David F. Sullivan & Associates, Inc.

IPEX USA LLC **Booth #505**

IPEX USA LLC supplies one of the world's most diverse lines of integrated thermoplastic piping systems - and includes the Vortex Flow Insert for use in sewer drop structures to control the generation and release of hydrogen sulfide without the use of power of chemicals

Contact: Kevin Read, 2 Ocean Look, Narragansett, RI 02882, tel: (401) 575-6652, kevin.read@ipexamerica.com, www.ipexamerica.com, Atlantic Fluid Technology, Inc.

IPM SYSTEMS, LLC **Booth #465**

Manufacturer and system integrator of dry and liquid chemical feed systems for water and waste water treatment facilities in municipal and industrial markets.

Contact: Tyler Morerod, 4225 NE Port Drive, Lee's Summit, MO 64064, tel: (207)989-0591, tmorerod@ipm-sys.com, Russell Resources, Inc.

Ishigaki USA Ltd. **Booth #410-413, 473, 474, 481, 482, 489, 490**

Contact: Shinji Ichihara, 280 Heritage Ave #J, Portsmouth, NH 03801, tel: (603) 443-3334, shinji.ichihara@ishigaki.com, www.ishigaki.co.jp/english.com, Wescor Associates, Inc.

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Contact: Ross Brown, 4921 Alexander Blvd NE, Ste B, Albuquerque, NM 87107, tel: (505) 341-0109, ross@itpipes.com, www.itpipes.com

J&R Sales and Service, Inc. **Booth #414**

J&R Sales and Service has provided engineered onsite solutions in New England for over 20 years. We are the New England representative for the FAST Treatment, S&L Modular FAST, and GEOFLOW Subsurface Drip Dispersal Systems. J&R is available to assist in site planning, system design, installation, and maintenance to meet the needs of virtually any onsite treatment requirement.

Contact: Lauren Usilton, 44 Commercial Street, Raynham, MA 02767, tel: (508) 823-9566, info@jrsalesinc.com, www.jrsalesinc.com

JCS Industries, Inc. **Booth #102-104**

Manufacturer of Liquid Vacuum Dosers for gas and liquid feed. JCS can create and improve on any system that feeds wastewater treatment chemicals. Currently with 700 installations and feed rates up to 8000 lbs per day.

Contact: Brian Whitmore, PO Box 90028, Houston, TX 77290, tel: (281) 353-2100, brian@jcsindustries.us.com, www.jcsindustries.us.com, Mechanical Solutions, Inc.

JDV Process Equipment Co. **Booth #410-413, 473, 474, 481, 482, 489, 490**

JDV Equipment Corporation is a leading manufacturer and provider of safe, environmentally friendly processing equipment and services for water treatment, wastewater treatment and industrial applications.

Contact: Brian Baker, 1 Princeton Ave, Dover, NJ 07801, tel: (973) 366-6556, brian@jdvequipment.com, www.jdvequipment.com, Wescor Associates, Inc.

Jesco-Lutz Pump Corp. **Booth #102-104**

Contact: Phil Dann, 55 Bermar Park, Rochester, NY 14624, tel: (800) 554-2762, phil@jescoamerica.com, www.jescoamerica.com, Mechanical Solutions, Inc.

Kemira Water Solutions, Inc. **Booth #186**

Kemira is the world market leader in high quality aluminium and iron based coagulants for water and wastewater treatment applications.

Contact: Michelle Poulin, 4321 W 6th Street, Lawrence, KS 66049, water@kemira.com, www.kemira.com

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At Kenway Corporation we pioneer new ideas with composite materials. Our talented engineers and technicians build solutions, from standard items to one-offs. We're versatile enough to put composite materials to work in any industry.

Contact: Alexander Thibodeau, 681 Riverside Drive, Augusta, ME 04330, tel: (207) 622-6229, alex@kenway.com, www.kenway.com

Kruger Inc. **Booth #401-409**

Kruger, Veolia's US Municipal Solution, offers innovative, efficient & compact solutions including clarification, separation, biosolids & biological solutions with low installation costs and rapid startup, optimizing energy and savings.

Contact: Ken Krupa, 4001 Weston Parkway, Cary, NC 27513, tel: (919) 677-8310, usmunicipal@veolia.com, www.krugerus.com, F. R. Mahony & Associates

Kusters Water, a division of Kusters Zima Corporation **Booth #496**

Kusters Water is a well positioned industry leader offering superior clarification, screening, biosolids and odor control technologies from Hi-Tech, WasteTech, FSM, CSO Technik and ACAT.

Contact: Michael Ronn, 101 Zima Park Road, Spartanburg, SC 29301, tel: (864) 576-0660, michael.ronn@kusterszima.com, www.kusterswater.com, Atlantic Fluid Technology, Inc.

LandTech Consultants **Booth #209**

Contact: Jackie Sagl, 515 Groton Road, Westford, MA 01886, tel: (978) 692-6100, jsagl@landtechinc.com, www.ltc3d.com

Lane Enterprises, Inc. **Booth #127**

Lane Enterprises, Inc. is a nationally recognized leader in the manufacture and supply of stormwater drainage pipe and stormwater quality products. In addition, Lane offers an extensive line of large-diameter pipe and bottomless bridge structure, which are ideal for today's stream crossing applications.

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Rotary Lobe Pumps for sludge, they are durable, self priming, pulsation free that are mfg. in Georgia. Parts ship in 2 days or they are FREE. The mechanical seal, cartridge style is rebuildable and wear plates are reversible to extend life.

Contact: Bill Blodgett, Brunswick, GA 31525, tel: (912) 466-0304, billb@lobepro.com, www.lobepro.com, Mechanical Solutions, Inc.

Lystek International, Inc. **Booth #212**

Lystek International Inc. was founded in 2000 at the University of Waterloo, Ontario, Canada to commercialize treatment technologies for biosolids and other non-hazardous, organic "waste" materials.

Contact: Jim Belcastro, 1425 Bishop Street, Cambridge, Ontario N1R 6J9, tel: (226) 444-0186, jbelcastro@lystek.com, www.lystek.com

Martinez Couch & Associates, LLC **Booth #108**

MCA offers experience with a variety of wastewater projects from the study phase through the design and construction phases. Our seasoned staff has a comprehensive background in the design and evaluation of collection systems. MCA is a certified MBE.

Contact: George Pendleton, 1084 Cromwell Avenue, Rocky Hill, CT 06067, tel: (860) 436-4364, gpendleton@martinezcouch.com, www.martinezcouch.com

McGill Hose & Coupling, Inc.**Booth #184, 185**

MHC carries the largest inventory of flexible hose, fittings and fluid handling components in the Northeast and has unmatched fabrication capabilities from small diameters through 12". We address critical applications by specializing in Metal and PTFE Hose. Flexible Ducting, Hydraulic Hose and Industrial Hose as well as metal pipe and tube fabrication.

Contact: Monty Hart, 41 Benton Drive, East Longmeadow, MA 01028, tel: (413) 525-3977, montyhart@mcgillhose.com, www.mcgillhose.com

Mechanical Solutions Inc.**Booth #102-104**

Manufacturers' representative for high quality pumps and wastewater treatment equipment. Offices located in New Hampshire and Connecticut with 24 hours service company – MPS plus 4000-ft² warehouse and the solutions to your system needs.

Contact: Gary MacDonald, PO Box 790; 121 Commerce Way, South Windsor, CT 06074, tel: (860) 290-1564, gmacdonald@msipump.com, www.msipump.com

Medora Corp.**Booth #176****Methuen Construction Co., Inc./Summit Metal Fabricator****Booth #484**

Constructor of municipal and industrial water and wastewater facilities. Provider of operations and maintenance services for same. Distributor of PermaStore/Fusion glass-fused-to-steel and epoxy tanks and roofs. Specialty metals fabricator.

Contact: Hugh Spurway, 40 Lowell Road, Salem, NH 03079, tel: (603) 328-2222, hspurway@methuenconstruction.com, www.methuenconstruction.com

MGD Process Technology, Inc.**Booth #401-409**

Wastewater Treatment Equipment and Engineering Manufacturers of Turborator® Self Aspirating Aerator/Mixer for municipal and industrial applications, including sludge mixing and digestion and process mixing and aeration.

Contact: Matthew Dickson, PO Box 654, Boylston, MA 01505, tel: (508) 869-2164, matt.dickson@MGDProcess.com, www.MGDProcess.com, F. R. Mahony & Associates

Milliken Infrastructure Solutions**Booth #203**

Backed by our engineering expertise and technical support, Milliken Infrastructure's geopolymer mortar solutions deliver the most cost effective, high-performance, eco-friendly infrastructure rehabilitation materials in the marketplace.

Contact: Scott Navia, 920 Milliken Rd., Spartanburg, SC 29303, tel: (610) 971-0364, scott.navia@milliken.com, infrastructure. www.milliken.com

National Filter Media**Booth #126**

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Opti's software uniquely combines sensor data, weather forecasts, and proprietary algorithms to optimize stormwater infrastructure. Through active, cloud-based control, Opti lowers the cost and risk of managing stormwater.

Contact: Jamie Lefkowitz, 356 Boylston Street, 2nd Floor, Boston, MA 02116, tel: (844) 678-4782, community@optirtc.com, www.optirtc.com

OR-TEC, INC.**Booth #401-409**

OR-TEC manufactures and supplies affordable, stainless steel Belt Filter Process, ROCKER™ Screw Press Dewatering systems, Screw Screens, Micro Bar Screens, Grit Systems, Rotary Brush Screens, Polymer Dosing Systems, DAF Floatation systems, Compactor/Washers and Screw Conveyors.

Contact: Jim O'Leary, 14500 Industrial Ave. South, Maple Heights, OH 44137, tel: (216) 475-5225, jim@or-tec.com, www.or-tec.com, F. R. Mahony & Associates

Parkson Corporation**Booth #157**

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Performance Chemicals, LLC**Booth #148**

New Hampshire manufacturer of anti-foams, defoamers and other specialty chemicals.

Contact: Tim Collins, 40 Industrial Park Drive PO Box 9, Franklin, NH 03235, tel: (603) 228-1200, info@perfchem.us, www.perfchem.us/

Perma-Liner Industries, Inc.**Booth #419****PillAerator GmbH****Booth #487**

Manufacturer of High speed turbo blowers with magnetic bearings

Contact: Glenn Schultz, 445 Duane Ave, Schenectady, NY 12304, tel: (518) 372-2496, schultz@piller-tsc.com, www.piller.com, Atlantic Fluid Technology, Inc.

PINNACLE OZONE Solutions, LLC**Booth #401-409**

PINNACLE OZONE SOLUTIONS offers the world's most technically advanced, energy efficient, and reliable ozone systems.

Contact: Louis LeBrun, 2971-A Oxbow Circle, Cocoa, FL 32926, tel: (321) 205-1717, llebrun@pinnacleozone.com, www.pinnacleozone.com, F. R. Mahony & Associates

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PMC manufacturers submersible transmitters designed for the long term monitoring of depth and level measurements. Our products incorporate many features to enhance reliability, durability and maintenance free performance.

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POND Technical Sales, Inc.**Booth #433, 434**

POND Technical Sales has been providing water and wastewater treatment solutions in New England since 1962, with world class instrumentation from ROSEMOUNT, ROSEMOUNT ANALYTICAL, NET SAFETY, ASHCROFT, DYNASONICS, and FOX THERMAL.

Contact: Bob Osnoe, 106 Sebeth Drive, Cromwell, CT 06416, tel: (860) 316-2570, rosnoe@pondtechnicalsales.com, www.pondtechnicalsales.com

Precision Trenchless, LLC**Booth #211**

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Purafil **Booth #401-409**
Manufacturers of dry chemical and biological scrubbers for odor control, emergency chlorine scrubbers, control room odor, control and corrosion protection for electronic equipment.
Contact: Don Apking, 2654 Weaver Way, Doraville, GA 30340, tel: (770) 662-8545, dapking@purafil.com, www.purafil.com, F. R. Mahony & Associates

Pure Technologies **Booth #214**
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Contact: David Smith, 3040 Route 22 West Suite 130, Branchburg, New Jersey 00876, tel: (908) 526-4437, david.smith@puretechltd.com, www.puretechltd.com

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R.I. Analytical Laboratories Inc. **Booth #145**
R.I. Analytical is a quality full service environmental laboratory in New England who specializes in the analytical testing of soils, sludge, drinking water and waste water.
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RITEC Environmental **Booth #458**
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Contact: Pete Williams, PO Box 514, East Boothbay, ME 04544, tel: (207) 633-3111, pete.williams@ritec.com, www.ritec.com, David F. Sullivan & Associates, Inc.

Rockwell Automation **Booth #206**
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Contact: James Russell, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, jrussell@r-r-inc.com, www.r-r-inc.com

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s::can is the world technology leader for submersible on-line UV-Vis spectrophotometer probes and provides monitoring systems and software for drinking, environmental, waste, and industrial water applications.
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Spartan Tool LLC **Booth #149**
Contact: John Face, 1506 West Division Street, Mendota, IL 61342, tel: (800) 435-3866, jface@spartantool.com, www.spartantool.com

SPIRAC USA INC. **Booth #155**
SPIRAC - World leader in biosolids and sludge handling systems. Receiving, conveying, storing, and outlanding.
Contact: Jill McCusker, 75 Jackson Street, Suite 300, Newnan, GA 30263, tel: (770) 632-9833, jill.mccusker@spirac.com, www.spirac.com, The MAHER Corporation

Sprayroq, Inc. **Booth #196**
Sprayroq is both the developer and manufacturer of fast curing, structural and chemical resistant, spray-applied polyurethanes used to rehabilitate and protect infrastructure.
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Contact: Zach Militello, 135 Mt. Read Blvd, Rochester, NY 14611, tel: (585) 436-5550, lightnin@spxflow.com, www.spxflow.com, F. R. Mahony & Associates

SSI Aeration, Inc.**Booth #410-413, 473, 474, 481, 482, 489, 490**

Contact: Bob Freudenberg, 4 Tucker Dr., Poughkeepsie, NY 12603, tel: (845) 454-8171, bob.freudenberg@ssiaeration.com, www.stamfordscientific.com, Wescor Associates, Inc.

Stacey DePasquale Engineering, Inc. (SDE)**Booth #444**

Stacey DePasquale Engineering, Inc. has provided environmental field services, design and construction oversight for wastewater and stormwater related projects for numerous private and public clients since 1999.

Contact: Stacey DePasquale, 354 Merrimack Street, Ste 200, Lawrence, MA 01843, tel: (978) 975-0500, sdepasquale@sde-inc.com, www.sde-inc.com

Stantec (BRONZE SPONSOR)**Booth #147**

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Statewide Aquastore Inc. is a provider of Aquastore glass-fused-to-steel storage tanks. They are used for ground storage, standpipe or composite elevated designs. Applications involve the storage of potable water, wastewater, sludge, trickling filters, SBR's, firewater storage, methane recovery, industrial waste, and many other applications that require storage.

Contact: Harry Hagan, 6010 Drott Drive, East Syracuse, NY 13057, tel: (315) 433-2782, hhagan@besttank.com, www.besttank.com

SUEZ (SILVER SPONSOR)**Booth D**

SUEZ in North America owns regulated water utilities, provides contracted public-private water and wastewater services to municipalities, offers advanced network solutions, and processes tons of waste for recycling.

Contact: Treva Spencer, 461 From Road Suite 400, Paramus, NJ 07652, tel: (201) 767-9300, treva.spencer@suez-na.com, www.mysuezwater.com

Synagro Northeast LLC (SILVER SPONSOR)**Booth #180**

Synagro is the nation's leader in biosolids and organic residuals management with customers in over 38 states and in Canada. Synagro's services include: Incineration, Composting, Pelletizing, Lagoon Cleaning/Dredging, Alum Sludge Beneficial Use, Rail Services and Digester Cleaning.

Contact: Pat Rimkoski, 680 Main Street, Ste 303, Watertown, CT 06795, tel: (860) 274-1710, primkoski@synagro.com, www.synagro.com

TcTech/Boyson New England**Booth #497, 498, 499**

TcTech/Boyson New England is a new Group which includes Principals and Sales Engineers that have combined forces to better serve the New England Water and WWTP market. TcTech/Boyson is focused on providing Municipal and Industrial Water and Wastewater Process Equipment Solutions. TcTech/Boyson represents OVIVO microBLOX Package Plants, Evoqua Intake Screens, Envirodyne, Centrisys Centrifuges and CNP AirPrex, MFG FRP Products and Hallsten Aluminum Covers, Atara Conveyors Aledge Water Treatment Iron and Manganese Removal Systems and other major companies such as GW&E, FRC and Ozone Systems, Raschig USA (Jaeger Media) IronBrook UV, BCR Sludge Stabilization, Gooch Heat Exchangers and Online SS pipe and aerations systems.

Contact: Brian Boyson, 175 Harvest Lane, Bridgewater, MA 02324, tel: (508)889-6371, bbo5807254@aol.com, www.wastewaterequipmentboyson.com

Technology Sales Associates, Inc.**Booth #426, 427, 428, 429, 501, 502, 503, 504**

People - Technology - Results: Founded in 1977, we specialize in water, wastewater, utility and process industries. We pride ourselves in representing manufacturers that are not only the leaders in the industry, but also share the same commitment to excellence in meeting the needs of our customers.

Contact: Marina Giovannini, 44 Central Street, Berlin, MA 01503, tel: (978) 838-9998, mgiovannini@techsalesne.com, www.techsalesne.com

Ted Berry Company, Inc.**Booth #137**

The Ted Berry Company was founded in 1972 by Ted Berry. Today the business is still family-owned and operated and provides services to both municipalities and industry throughout New England. The company operates a number of service groups.

Contact: Peter Goodwin, 521 Federal Road, Livermore, ME 03909, tel: (207) 897-3348, peter.goodwin@tedberrycompany.com, www.tedberrycompany.com

The MAHER Corporation (GOLD SPONSOR)**Booth #152-158, 182**

Please visit the following companies in booths 152-158 & 182: EIM, Singer Valve, Straub, Waco, Trojan Technologies, Parkson, Sanitaire, Watson Marlow, ClearStream, Nova Water, Biorem, Boerger, Brentwood Industries and Lakeside Equipment

Contact: Peter Kibble, 192 Pleasant Street, Rockland, MA 02370, tel: (781)421-2600, pkibble@themahercorp.com, www.themahercorp.com

The Wise Company**Booth #189-192****Thermal Process Systems, Inc.****Booth #456**

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Contact: Kevin Station, 627 East 110th Ave, Crown Point, IN 46307, tel: (219) 663-1034, info@thermalprocess.com, www.thermalprocess.com, Russell Resources, Inc.

Thompson Pipe Group - Flowtite**Booth #200**

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Contact: Hillary Ham, 18585 Samuels Rd, Zachary, LA 70791, tel: (225) 658-6166, hham@thompsonpipegroup.com, www.thompsonpipegroup.com

Trelleborg Pipe Seals Milford Inc.**Booth #457**

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Contact: Gregg Conklin, 250 Elm Street, PO Box 301, Milford, NH 03055, tel: (800) 626-2180, gregg.conklin@trelleborg.com, www.trelleborg.com/pipe-seals

Trident Actuators**Booth #495**

Manufacturer of self-contained electro-hydraulic actuators for gates and valves used in the water and wastewater industry. Features include Fail-Safe, submersible, Explosion Proof, and routine maintenance free.

Contact: John Cermanski, 329 Center Ave, Mamaroneck, NY 10543, tel: (914) 698-2650, j.cermanski@miht Trident.com, www.mihttrident.com, Atlantic Fluid Technology, Inc.

TrojanUV**Booth #153**

TrojanUV designs, manufactures, and sells pressurized and open-channel UV disinfection systems for municipal wastewater and drinking water, and UV-oxidation systems for environmental contaminant treatment applications.

Contact: Una Duncan, 3020 Gore Road, London, Ontario N5V 4T7, tel: (519)457-3400, info@trojanuv.com, trojanuv.com, The MAHER Corporation

Truax Corporation**Booth #172**

We are a full service catch basin and drain maintenance company. Our services include catch basin cleaning, storm drain maintenance, high velocity pipe flushing and closed-circuit television inspections.
 Contact: Kathy Cheever, 116 Washington Street, Plainville, MA 02762, tel: (508) 316-0739, truaxcorporation@comcast.net, www.truaxcorporation.com

Trumbull Industries**Booth #194**

Manufacturer of products for water & wastewater market, including tools, valves & accessories, valve position indicators, miter gears, floorstands, polymer manhole & water meter lids, products for corrosive soils
 Contact: Vic Dasbach, 1040 N Meridian Rd, Youngstown, OH 44509, tel: 330-307-1217, vdasbach@trumbull.com, www.trumbull-mfg.com

United Concrete Products**Booth #170**

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 Contact: Alan Steele, 5929 High Ridge Circle, Doylestown, PA 18902, tel: (412) 417-6614, alan.steele@veolia.com, www.veoliawatertechnologies.ca, F. R. Mahony & Associates

Viking Chains Enviro Division a Division of Connexus Industries, Inc.**Booth #496**

Viking Chain specializes in metallic and non-metallic chain & flight systems for rectangular clarifiers and grit removal systems. Viking also manufactures chain and accessories for a wide range of applications in the water and wastewater field.
 Contact: Paul VanDemark, 3411 Novis Pointe, Acworth, GA 30101, tel: (604) 882-1602, sdavies@cnxsind.com, www.vikingchainenvirodivision.com, Atlantic Fluid Technology, Inc.

Victaulic**Booth #418****Vogelsang****Booth #468**

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Vortex Infrastructure Products**Booth B**

Vortex Infrastructure Products represents the finest trenchless technologies and support services to achieve cost effective and permanent repairs to the water and sewer infrastructure.
 Contact: Connor Collier, 9155 Wallisville Rd, Houston, TX 77029, tel: (203) 241-2567, connor.collier@vortexinfrastructure.com, www.vortexinfrastructure.com

Vulcan Industries, Inc.**Booth #480**

Since 1978, Vulcan Industries (Missouri Valley, IA) has been a U.S. leader in manufacturing quality wastewater equipment including screens, screenings washers / compactors, screening conveyance systems, grit collection and treatment systems and rotary drum thickeners. Vulcan, making America strong again.
 Contact: Norm Jackman, 212 South Kirlin Street, Missouri Valley, IA 51555, tel: (712) 642-2755, norm@vulcanindustries.com, www.vulcanindustries.com, Atlantic Fluid Technology, Inc.

WACO Products, Inc.**Booth #153**

Fabrication of flow control slide gates (sluice gates), level control weir gates and tilting weirs, stop gates, stop logs, flap gates, and telescopic valves. Manual, electric & hydraulic operators. Made in USA.
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Walker Process Equipment- Division of McNish Corporation**Booth #401-409**

Walker: Since 1946, Walker Process has been solely dedicated to designing and manufacturing equipment for the Water and Wastewater Industry at our facility in Aurora, IL. We offer proven municipal technologies for biological treatment, anaerobic treatment, wastewater clarification, digestion, separation, and sludge treatment. We offer standard and custom solutions for efficient solids-liquid separation.
 Contact: Jeff Thomas, 840 N. Russell Ave., Aurora, IL 60506, tel: (630) 264-5213, jthomas@walker-process.com, www.walker-process.com, F. R. Mahony & Associates

Walker Wellington LLC**Booth #475, 476, 477****Wastecorp Pumps, LLC. (Part of Wescor) Booth #410-413, 473, 474, 481, 482, 489, 490**

Wastecorp designs and engineers our products in North America with a focus on quality, energy savings, and a goal to lower emissions. Plunger Pumps, Diaphragm Pumps, Disc Pumps, Trash Pumps, and various pump parts.
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Water & Waste Equipment Inc.**Booth #178, 179**

Water & Waste Equipment Inc. is a complete service provider of pumps, motors, controls and Scada Systems. Being affiliated with Williamson New England Pump & Motor in Chelsea Mass has expended both companies sales and service throughout New England. Equally providing 24/7 Emergency Field Service, Design, Installation, Maintenance on Mechanical, Electrical Equipment and Pump Stations. Remember, "Don't get nervous call Williamson for sales & service"
 Contact: Rebecca Tilton, 2335 Shady Ln, Cleveland, TN 37312, tel: (423) 479-2084, rebeccat@wecogroup.com, www.waterandwaste.com

Water Resource Technologies**Booth #140**

Water Resource Technologies is a distributor of wastewater pumps and related equipment. We specialize in the design and operation of Pressure Sewer Systems. Call to see how we can help you today!
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Watson-Marlow Pumps Group**Booth #152-158, 182**

Watson-Marlow peristaltic tube pumps and Bredel hose pumps provide minimal shear combined with high levels of volumetric accuracy. Our pumps are highly accurate, self-priming, dry running and eliminate the need for ancillary equipment.
 Contact: Henry Taubenfeld, 37 Upton Technology Park Drive, Wilmington, MA 01887, tel: (800)282-8823, support@wmpg.us, www.wmpg.com, The MAHER Corporation

Weir Specialty Pumps (WEMCO)**Booth #410-413 & 473-474 & 481-482 & 489-490**

Weir Specialty Pumps (WEMCO) has been providing equipment to municipalities for over 50 years. Featured equipment includes: Hydrogritters, Recessed Impeller Pumps, Screw Centrifugal Pumps, Chopper and Self Priming (WSP) Pumps for Sewage, sludge and grit applications.
 Contact: Mike Howard, 440 West 800 South Street, Salt Lake City, UT 84101, tel: (801)359-8731, mike.howard@weirgroup.com, www.weirgroup.com, Wescor Associates, Inc.

Wescor Associates, Inc.**Booth #410-413, 473, 474, 481, 482, 489, 490**

Manufacturer's Representative for over 35 years. Representing leading companies in the water and wastewater fields: Process Equipment-Blowers, Clarifiers, Chemical Feed, Screens, Grit, Odor, Pumping, Liquid/Solids Separation, and residual applications.
 Contact: Bob Montanaro, Jr., 686 South St. Box 370, Wrentham, MA 02093, tel: (508) 384-8921, bmjr@wescor1.net, www.wescorassociatesinc.com, Wescor Associates, Inc.

WESTEC**Booth #164**

Whipps, Inc.**Booth #479**

Made in the USA. Whipps, Inc. manufactures high performance, low leakage, Stainless Steel and aluminum Slide Gates and Stop Logs since 1977.

Contact: Ron Niedzwiecki, 370 South Athol Rd, PO Box 1058, Athol, MA 01331, tel: (978) 249-7924, ran@whipps.com, www.whipps.com, Atlantic Fluid Technology, Inc.

WhiteWater, Inc.**Booth #106**

Wastewater treatment and conveyance including operations, management, influent and effluent sampling, preventative maintenance programs, chemical treatment systems, pump station maintenance, regulatory reporting, and inspection services.

Contact: Marcus Thompson, 253B Worcester Road, Charlton, MA 01507, tel: (888)377-7678, mthompson@rhwhite.com, www.whitewateronline.com

Wilo - EMU Pumps & Mixers**Booth #102-104**

After market coverage by rep, Mechanical Solutions, Inc., for submersible and dry pit sewage pumps with high efficiency German engineering. Submersible mixers for denitrification with extended warranties.

Contact: Harold Adams, 86 Genesis Parkway, Thomasville, GA 31792, tel: (866) WILO-USA, harold.adams@wilo-usa.com, www.wilo-usa.com, Mechanical Solutions, Inc.

WILO-EMU**Booth #410-413 & 474 & 481-482 & 489-490**

Design of submersible mixers for denitrification processes in wastewater. Pumps, both submersible & dry pit types for pump stations in wastewater applications. WILO can provide extended warranties and all equipment can be price competitive.

Contact: Rick Nash, 86 Genesis Parkway, Thomasville, GA 31792, tel: (866) WILO-USA, rick.nash@wilo-usa.com, www.wilo-usa.com, Wescor Associates, Inc.

Woodard & Curran (SILVER SPONSOR)**Booth #450**

Woodard & Curran is an 800-person, integrated engineering, science, and operations company. Privately held and steadily growing, we serve public and private clients locally and nationwide. From our environmental roots to the range of consulting, engineering, and operations expertise we provide today, we work for a diverse clientele - including municipalities, industry, colleges and universities, the real estate community, and food and beverage manufacturers.

Contact: Leroy Kendricks, 33 Broad Street Floor 7, Providence, RI 02903, tel: (401) 273-1007, lkendricks@woodardcurran.com, www.woodardcurran.com

Xylem Dewatering Solutions, Inc. - d.b.a. Godwin Pumps of America**Booth #160**

With more than 100 years as the industry leader in pump manufacturing, Godwin provides an innovative approach to pump manufacturing, rental, sales, and service. We design, manufacture, service, sell and rent products that are efficient, reliable, and targeted to the specific needs of our customers. Godwin's rental fleet, world-class application engineering, and proven 24/7 service and support are ready to meet your emergency pumping needs.

Contact: Tom Malone, 99 Stockhouse Rd, Bozrah, CT 06334, tel: (860) 889-2343, tom.malone@xylem.com, www.xylem.com/dewatering/us/brands/godwin

Zoeller Engineered Products**Booth #198**

Robust American made submersible pumps for the municipal industry. Solids handling pumps with vortex impellers and reversing grinder pumps are two types that perform well in collection system pumping stations.

Contact: Steve Doolittle, 3649 Cane Run Road, Louisville, KY 40214, tel: (800) 928-7867, steved@zoeller.com, www.zoellerengprod.com

EXHIBITION HOURS

Monday: 10:30 AM – 6:30 PM

Tuesday: 8:00 AM – 6:00 PM

Wednesday: 8:00 AM – 1:00 PM

CONFERENCE PLANNERS

Meeting Management Director

Meg Tabacsko

Conference Arrangements

Committee Chair

Ron Tiberi

Exhibits Committee Chair

Amy Anderson

Program Committee Chair

Jessica Cajigas

Helen Gordon

Registration Committee Chair

Kate Biedron

Sponsor Committee Chair

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Guest Program Coordinator

Joy Lord

Awards Program Coordinator

Chuck Applebee

NEWEA OFFICE

Executive Director

Mary Barry

Information Systems/

Education Program Coordinator

Janice Moran

Office Administrator

Linda Austin

TRAINING CONTACT HOURS

Technical sessions that are approved by participating New England states for Operator Recertification Training Hours are noted in the TCH form. Operators must register and obtain attendance verification forms to receive credit.

Professional Engineers registered for the conference may also attend technical sessions to fulfill state requirements for Professional Development Hours.

See the NEWEA Registration desk for complete details and training forms.

Meeting Room and Exhibit Locations

3rd Floor

Exhibits

Exhibit Booths #101–217

Back Bay Exhibit Hall

Back Bay Foyer Area

Meeting/Session Rooms

Arlington*

Berkeley*

Boston University

Brandeis

Clarendon*

Dartmouth*

Exeter*

Fairfield*

Harvard

Northeastern

Regis

Simmons

Suffolk

Tufts

Wellesley

**Located inside Back Bay Exhibit Area*

4th Floor

Exhibits

Exhibit Booths #401–506

Salons F thru K and Foyer

Poster Sessions (Tuesday)

Meeting/Session Rooms

Salons A thru E

Hyannis

Nantucket

Orleans

Provincetown

Vineyard

Yarmouth

Falmouth

Champions Restaurant and St. Botolph are located on 2nd level

KEY: 3rd floor rooms are Colleges, Universities, and Boston Streets. 4th floor rooms are salons and Cape Cod Towns.

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