# **CONFERENCE PROGRAM**



# Get Connected.

NEW ENGLAND WATER ENVIRONMENT ASSOCIATION PRESENTS:

NEWEA 2014 Annual Conference & Exhibit January 26–29

BOSTON MARRIOTT COPLEY PLACE BOSTON, MA



35
Meeting
committee
O
and (
<b>Events</b>
Misc.
NEWEA

Sunday, January 26, 2014		
Committee Council Treatment System, O&M	Orleans	11:45 AM
Executive Committee Meeting	Salon E	1:00 PM
Monday, January 27, 2014		
Young Professionals/Student Lounge (All Day)	Vineyard/Yarmouth	All Day
Business Meeting	Regis	8:00 AM
Awards Committee	Falmouth	8:30 AM
Membership Committee	Falmouth	9:00 AM
Collection Systems Certification Committee	Nantucket	10:00 AM
Opening Session	Salon E	11:00 AM
Select Society of Sanitary Sludge Shovelers (by invite)	Exeter/Darthmouth	Noon
Plant Operations Committee	Hyannis	Noon
Stormwater Committee	Berkley	Noon
Energy Committee	MIT	Noon
Asset Management Committee	Orleans	12:30 PM
Affiliated State Association Meeting	Clarendon	2:00 PM
Government Affairs Committee	Clarendon	3:30 PM
Information Technology & Automation Committee	MIT	4:30 PM
Watershed Management Committee	Falmouth	4:30 PM
CSO/Wet Weather Issues Committee	Nantucket	4:30 PM
Sustainability Committee	Connexion Lounge	5:00 PM
Tuesday, January 28, 2014		
Tuesday, January 28, 2014 Industrial Wastewater & Water Reuse Committees	Falmouth	7:30 AM
· · · · · · · · · · · · · · · · · · ·	Falmouth Champions	7:30 AM 8:00 AM
Industrial Wastewater & Water Reuse Committees		
Industrial Wastewater & Water Reuse Committees Past Presidents' Breakfast	Champions	8:00 AM
Industrial Wastewater & Water Reuse Committees Past Presidents' Breakfast Sponsor Committee	Champions MIT	8:00 AM 9:00 AM
Industrial Wastewater & Water Reuse Committees Past Presidents' Breakfast Sponsor Committee Lab Practices Committee	Champions MIT Champions	8:00 AM 9:00 AM 11:00 AM
Industrial Wastewater & Water Reuse Committees Past Presidents' Breakfast Sponsor Committee Lab Practices Committee Operators' Reception (sponsored by ASAs)	Champions MIT Champions Exeter/Dartmouth	8:00 AM 9:00 AM 11:00 AM Noon
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Industrial Wastewater & Water Reuse Committees Past Presidents' Breakfast Sponsor Committee Lab Practices Committee Operators' Reception (sponsored by ASAs) Program Committee Public Education Committee Utility Council Committee	Champions MIT Champions Exeter/Dartmouth Champions Legal Sea Foods Vineyard-Yarmouth	8:00 AM 9:00 AM 11:00 AM Noon Noon Noon
Industrial Wastewater & Water Reuse Committees Past Presidents' Breakfast Sponsor Committee Lab Practices Committee Operators' Reception (sponsored by ASAs) Program Committee Public Education Committee Utility Council Committee Safety Committee	Champions MIT Champions Exeter/Dartmouth Champions Legal Sea Foods Vineyard-Yarmouth Champions	8:00 AM 9:00 AM 11:00 AM Noon Noon Noon
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Industrial Wastewater & Water Reuse Committees Past Presidents' Breakfast Sponsor Committee Lab Practices Committee Operators' Reception (sponsored by ASAs) Program Committee Public Education Committee Utility Council Committee Safety Committee Safety Committee Small Community Committee Residuals Management Committee Collection Systems Committee AAEE Meeting Utility Management Committee Microconstituents Committee NEWEA/NEWWA/NEAPWA Leaders Meeting Wednesday, January 29, 2014 Photo Ready Room	Champions MIT Champions Exeter/Dartmouth Champions Legal Sea Foods Vineyard-Yarmouth Champions Legal Sea Foods Harvard Clarendon Orleans MIT Clarendon Orleans	8:00 AM 9:00 AM 11:00 AM Noon Noon Noon Noon Noon Noon Noon 12:45 PM 1:00 PM 2:00 PM

#### NEWEA 2014 ANNUAL CONFERENCE



Mike Bonomo 2013 NEWEA President

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Welcome to the 2014 NEWEA Annual Conference.

Get Connected! Networking, technical sessions, learning from exhibitors, poster session education, committee meetings and the work of NEWEA, that's what this conference is all about. This year's Program is full of learning opportunities and information exchange based on the work of our members and many other contributors. 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; join a Committee and attend their meeting. This conference is so full of opportunities to expand your knowledge and network. Get connected and make the most of this coming together of over 2000 industry professionals in the beautiful setting offered by the Marriott Copley Place and surrounding environs.

In keeping with this year's theme of increasing Public Awareness, we will have sessions on Flushables/Non Dispersibles and Raising Public Awareness—both on Tuesday morning. This, of course, is in addition to the 33 technical sessions offering an array of learning opportunities. I would also like to call attention to and invite your participation in a special reception (ticketed event) honoring retiring NEWEA Executive Director. Elizabeth Cutone.

We are honored that Deval Patrick, Governor of the Commonwealth of Massachusetts will be our Keynote Speaker. We are further honored that the newly elected Mayor of Boston, Martin Walsh (invited) will also be part of the Opening Session and WEF President-Elect Ed McCormick will also offer his insight on current WEF initiatives. What a tremendous opportunity to demonstrate to these leaders the leadership of NEWEA in advocating, designing, building and operating the clean water infrastructure of New England!

A big thank you to all the Speakers and Committees involved that put on sessions and organized meetings and events. I do have to acknowledge the hard work of the conference committees including Program, Sponsorship, Registration, Exhibits, Awards, Meeting Management Council Director Meg Tabacsko, Conference Arrangements Chair Ron Tiberi and Program Chair Sue Guswa. A special thanks to Linda Austin for holding down the fort during Janice Moran's maternity leave. Much appreciation to all!

Mike Bonomo 2013 NEWEA President

#### **NEWEA 2013 EXECUTIVE COMMITTEE**

President Michael Bonomo President Elect Bradley Moore Vice President Matthew Formica Treasurer Frank Occhipinti

Past President (Management Review) Daniel Bisson Communications Council Director James Barsanti Meeting Management Director Meg Tabacsko Secretary Joseph Witts

> WEF Delegate (10/10) Gregory Cataldo WEF Delegate (10/11) Jennifer Lachmayr WEF Delegate (10/12) Howard Carter WEF Delegate (10/13) Phyllis Arnold Rand

#### Directors

Connecticut Kevin Cini

Maine Peter Goodwin

Massachusetts Raymond Willis III

New Hampshire Frederick McNeill

Rhode Island, Janine Burke

Vermont Robert Fischer

Collection Systems/Water Resource Council Michael Wilson

Outreach Council Thomas Groves

Treatment, Systems Operations

and Management Council Priscilla Bloomfield

#### **NEWEA 2013 COUNCILS**

#### **Vice President Council (Ad Hoc Committees)**

Humanitarian Assistance Committee\* John Dold

Information Technology &

Automation Committee\* James Spitzer

Public Awareness Committee\* Jennifer Lachmayr

Project Delivery Alternatives Committee\* Michael Walsh

Stormwater Committee\* Virginia Roach

Utility Council Committee\* John Adie

# Past President Council (Administrative Committees)

Assessment and Development Committee Deborah Mahoney

Awards Committee Paul Dombrowski

Bylaws Committee James Pappas

Committee Member Appreciation Committee Melissa Recos

Nominating Committee Howard Carter

Sponsor Committee Paul Casey

#### **NEWEA 2013 COUNCILS (CONTINUED)**

#### **Meeting Management Council**

Conference Arrangements Committee Ronald Tiberi

Exhibits Committee Amy Anderson

Manufacturers' Representative Committee James DeLuca

Program Committee Susan Guswa

Registration Committee Katelyn Biedron

#### **Communications Council**

Journal Committee Helen Gordon

Media Relations Committee TBD

Newsletter Committee Geraldine Ciardelli

Website Committee\* Benjamin Mosher

#### Treatment, System 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 André Brousseau

Plant Operations Committee Benjamin Levesque

Residuals Management Committee Jonathan Keaney

Small Community Committee Jeff Gregg

Utility Management Committee Scott Firmin

#### Collection Systems/ Water Resource Council

Collection Systems Certification Committee Gregory Kidd

Collection Systems Committee Kevin Olson

CSO/Wet Weather Issues Committee James Drake

Industrial Wastewater Committee Elizabeth Andrews

Sustainability Committee Geraldine Ciardelli

Water Reuse Committee Edward Whatley

Watershed Management Committee Philip Forzley

#### **Outreach Council**

Government Affairs Committee, Susan Sullivan

Membership Committee George Vercelli

Public Education Committee Elena Proakis Ellis

Safety Committee Shannon Eyler

Scholarships Committee Nicholas Schwartz

Student Activities Committee Jennifer Apell

Water for People Committee Jonathan Kunay

Young Professionals Committee Matthew St. Pierre

\* Ad hoc

# **NEWEA** 2014 **Annual** Conference & Exhibit

January

**BOSTON MARRIOTT COPLEY PLACE BOSTON, MA** 



# **Conference Events**

SUNDAY, JANUARY 26	
Registration—4th Floor	Noon-4:00 PM
Exhibit Hall Set-Up	Noon-6:00 PM
Executive Committee Meeting—Salon E	1:00-4:00 PM
MONDAY, JANUARY 27	
Registration—4th Floor	7:00 AM-6:00 PM
Speakers' Breakfast—Hyannis	7:30-8:30 AM
Coffee and Continental Breakfast 3rd Floor Atrium Registration Area	7:30-9:00 AM
NEWEA Annual Business Meeting—Regis Welcome and Opening Remarks: Michael Bonomo, NEWEA President/ADS Environmental Presentation and vote on 2014 Slate of NEWEA Officers. See page 22 for complete description	8:00-8:30 AM
Student Poster Board Competition—4th Floor Coordinator: Tom Groves, NEIWPCC	8:30 AM-4:30 PM
<b>Technical Sessions 1–6</b> See descriptions beginning on page 7	8:30–10:30 AM
Exhibit Hall Grand Opening	10:30 AM

Amy Anderson, Exhibits Committee Chair; Michael Bonomo, NEWEA President Grand Opening will take place at the main entrances of both the 3rd and 4th floor exhibit areas.

**Exhibits** 

10:30 AM-6:30 PM

3rd and 4th Floor Exhibit Areas

Please note that the 3rd and 4th floor exhibit areas are connected by a stairwell in the back of exhibit hall. Exhibit directory and booth locations pages 35-56

MONDAY, JANUARY 27 (CONTINUED)	
Opening Session—Salon E The Honorable Deval Patrick, Governor of the Commonwealth The Honorable Martin Walsh, Mayor of the City of Boston, MA (	
Select Society of Sanitary Sludge Shovelers' Lunch—Exeter by invitation—Charles Tyler, Influent Integrator	Noon-2:00 PM
Young Professionals Outreach/Mentoring Program—Vineya Coordinators: Matt St. Pierre, Tata and Howard; George Vercell The YP Committee is planning a special lunchtime session for those participating in the Mentoring Day and for all Young F	li, Veolia Water NA
<b>Technical Sessions 7–12</b> See descriptions beginning on page 10	2:00-4:30 PM
Exhibit Hall Reception—3rd Floor Exhibit Area	4:30-6:30 PM
TUESDAY, JANUARY 28	
Registration—4th Floor	7:00 AM-6:00 PM
Speakers' Breakfast—Hyannis	7:30-8:30 AM
NEWEA Presidents' Breakfast—Champions by invitation	8:00-9:00 AM
<b>Exhibits</b> 3rd and 4th Floor Exhibit Areas	8:00 AM-6:00 PM
Professional Poster Board Displays/Session—4th Floor Coordinator: Lauren Hertel, Stantec See page 23 for a list of participants Session with Autl	8:30 AM-4:30 PM
Spouse/Partner Program—Regis See description on page 34	7:30 AM-4:00 PM
<b>Technical Sessions 13–18</b> See descriptions beginning on page 13	9:00 –11:30 AM
Exhibit Hall Break	10:00 –10:30 AM
AAEE Meeting AAEE members, who have not pre-registered, please see regis	Noon–1:30 PM stration desk for info
Operator's Reception—Exeter Sponsored by: Connecticut Water Pollution Abatement Association Green Mountain Water Environment Association Maine WasteWater Control Association Massachusetts Water Pollution Control Association Narragansett Water Pollution Control Association New Hampshire Water Pollution Control Association	Noon–1:30 PM
Technical Sessions 19–24	1:30-4:00 PM
see descriptions beginning on page 15  Exhibit Hall Break	2:30 –3:00 PM
Exhibit Hall Reception—4th Floor Exhibit Area	4:00–6:00 PM
Farewell Reception for Elizabeth Cutone—Salon E	6:00-8:00 PM
•	

MONDAY JANUARY 27 (CONTINUED)

WEDNESDAY, JANUARY 29	
Registration—4th Floor	7:30 AM-1:00 PM
Speakers' Breakfast—Hyannis	7:30-8:30 AM
Exhibits 3rd and 4th Floor Exhibit Areas	8:00 AM-1:00 PM
Technical Sessions 25–29 see descriptions beginning on page 18	8:30–11:00 AM
Exhibit Hall Break	9:30–10:00 AM
Mr & Mrs Fish Presentation Ebenezer Sewage and the Water Carol (two performances)	9:30 AM & 11:30 AM 3rd Floor Atrium
NEWEA Awards Ceremony and Lunch (ticket required) Salon E	11:00 AM-1:00 PM
Exhibit Area Brunch The exhibit area brunch will be held in both the 3rd and 4th	11:00 AM–1:00 PM floor exhibit areas.
<b>Technical Sessions 30–33</b> See descriptions beginning on page 20	1:00-3:00 PM
Adjourn	3:00 PM

# **Technical Sessions**

#### MONDAY TECHNICAL SESSIONS 1 - 6

8:30-10:30 AM

#### HOT TOPIC-REGULATORY CHALLENGES

Session 1 Salon A/B

Moderators: Nicholas Tooker, Northeastern University Vinnie Melendez, GSRWA

# Nutrient Regulation—One Size Never Fits All

-Thomas Amidon, Kleinfelder

#### Change is Coming—Understanding the Proposed New Requirements of the NPDES MS4 General Permit

-Rebecca Balke, Comprehensive Environmental Inc.

#### NPDES Aluminum Limits—Are We Chasing the Wrong Anim-Al?

-Pamela Westgate, Kleinfelder Paul Hogan, Woodard & Curran

#### Evaluating the Impact of Upgrading Wastewater Treatment System for Biological Nutrient Removal (BNR) Processes on Algal Blooms in the Receiving Estuary

Chul Park, University of Massachusetts

Heonseop Eom, University of Massachusetts

Douglas Borgatti, Springfield Water & Sewer Commission

## Jane Brooks, Springfield Water & Sewer Commission

#### ASSET MANAGEMENT—PROGRAMS IN ACTION

Session 2

Moderators: Gary Arthur, FRPI

John Rogers, CH2M HILL

Suffolk

#### How to Maintain Asset Reliability—Hope is Not a Plan

-Kevin Campanella, City of Columbus, OH DPU James Gross, City of Columbus, OH DPU

# Protecting a Major Investment in Wastewater Treatment by Implementing a Preventive Maintenance Program

-Jeffrey McDonald, Fuss & O'Neill Robert Hydock, Fuss & O'Neill

#### Sustainable Capital Improvement Planning, Town of Framingham

-Paul Brinkman, Wright-Pierce

Diane Stokes, Town of Framingham, MA

Eric Johnson, Town of Framingham, MA

# Shocking!—Electrical Infrastructure Vulnerabilities at Treatment Facilities

Alan Wells, Kleinfelder

David Elliott, RDK Engineers

# CSO/WET WEATHER I—ESTABLISHING THE WW BASELINE— MONITORING AND MODELING

Session 3 Simmons

Moderators: Steven Freedman, AECOM

Matthew St. Pierre, Tata and Howard

#### New York City's Pilot Project to Measure CSO Flows

-Patrick Stevens, ADS Environmental Services

James Mueller, NYC Department of Environmental Protection

Michael Armes, ADS Environmental Services

## Extensive Flow Monitoring and Detailed Hydraulic Modeling of Eight Sewersheds in Baltimore County, MD

-Charles Wilson, Hazen and Sawyer

Bruce Pierstorff, Hazen and Sawyer

Lisa Eicholtz, Baltimore County

David Bayer, Baltimore County

#### Fort Point Channel Water Quality Assessment

-Matthew Davis, Brown and Caldwell

Paul Keohan, Boston Water & Sewer Commission

# Long-Term Stormwater Sampling Downstream of a CSO Abatement Facility and Initial Findings—Dorchester, MA

Neal Price, Horsley Witten Group, Inc.
 Kris Houle, Horsley Witten Group, Inc.

# RESIDUALS—THE WHOLE KITCHEN SINK EXCEPT FOR FOOD WASTE

Session 4 Wellesley

Moderators: Jonathan Keaney, Brown and Caldwell Elaine Sistare. CDM Smith

#### Case Study—Producing Class A Biosolids and Combined Heat and Power at Two Vermont Wastewater Treatment Facilities

- John Reilly, Hoyle, Tanner & Associates, Inc.
 Michael Schramm, Hoyle, Tanner & Associates

#### Taking Waste Out of WAS-Sludge Pretreatment for Beneficial Uses

-Matthew Van Horne, Hazen & Sawyer

Mark Bottin, Hazen and Sawyer

Ya-Chi Tsao, Philadelphia Water Department

James Grandstaff, Henrico County

# From Disposal to Beneficial Use—10-Years of Sustainable Biosolids Management at GLSD

-Michael Walsh, CDM Smith

Richard Hogan, Greater Lawrence Sanitary District

Ben Mosher, CDM Smith

# Bio-Energy Technology Advances that Promote Wastewater Utility Energy Independence

Michael Wilson, CH2M HILL
 Dru Whitlock, CH2M HILL

#### **MONDAY TECHNICAL SESSIONS 1 - 6 (CONTINUED)**

8:30-10:30 AM

# WATER REUSE & RECLAMATION— WHAT GOES AROUND COMES AROUND!

Session 5 Salon C/D

Moderators: Meredith Zona, Fay, Spofford & Thorndike Alan Slater, MassDEP

# The Costs and Options Available for Total Organic Carbon Removal—Cape & Islands Case Studies

Marc Drainville, GHD Inc.
 Anastasia Rudenko, GHD Inc.

# Performance Evaluation of a Reclamation Plant Treating Domestic Wastewater Using Membrane Processes

- Mohamed Hamoda, Kuwait University

# City of Tavares Florida—Identifying Funding Sources for Comprehensive Utility System Improvements

 Brad Hayes, City of Tavares, FL Alexis Stewart, ARCADIS

# Building the Future at the University of Connecticut—Powering UConn's Campus with Reclaimed Water

-Nicholas Ellis, Hazen & Sawyer

# SUSTAINABILITY PLANNING AND TRACKING—TOOLS OF THE TRADE

Session 6 Provincetown

Moderators: Elizabeth Watson, United Water
Courtney Eaton, Carollo Engineers
James Barsanti, Town of Framingham, MA

# Sustainability Performance Reporting: Why It Is Useful?

-Courtney Eaton, Carollo Engineers

# Putting It All Together: Sustainable Project Case Studies—Sustainability Reporting

-Elizabeth Watson, United Water

#### Envision Rating System—How and When to Use it

-Jane Madden, CDM Smith

## Putting It All Together: Sustainable Project Case Studies-Envision

-Shallan Fitzgerald, Dewberry

#### HOT TOPIC-LOOKING TO THE FUTURE-DIGESTION AND SOURCE-SEPARATED ORGANICS

Session 7 Salon A/B

Moderators: Jessica Cajigas, Comprehensive Environmental, Inc. Mickey Nowak, United Water

#### Investigating Anaerobic Co-Digestion of Sewage Sludge and Food Waste Using a Bench-Scale Pilot Study

-Wenye Camilla Kuo-Dahab, University of Massachusetts, Amherst

Chul Park, University of Massachusetts

Parviz Amirhor, Fay, Spofford & Thorndike

Meredith Zona, Fay, Spofford & Thorndike

David Duest, MWRA

# Utilizing Excess Angerobic Digester Capacity to Process Source Separated Organics—Three Case Studies

 Anastasia Rudenko, GHD Inc. Marc Drainville, GHD Inc.

#### Source Separated Organics to Energy—Emerging Opportunities

-Steven Torres, Pannone, Lopes, Devereaux, & West LLC Bruce Tobey, Pannone Lopes Devereaux & West LLC Teno West, Pannone Lopes Devereaux & West LLC

## **Evaluating Co-Digestion for the Smaller Community**

-Art Umble, MWH Global William Nelson, MWH Global Steve Poulos, Valparaiso City Utilities

# COLLECTION SYSTEMS I-KNOWLEDGE IS POWER-ASSESSING YOUR SYSTEM

Session 8 Suffolk

Moderators: Peter Garvey, Dewberry Thomas Loto, ARCADIS

#### How to Achieve Infiltration/Inflow Removal Goals with a Comprehensive Approach

-Jonathan Kunay, CDM Smith Paul Ross, CDM Smith

# Ten Thousand Pine Tree Air Fresheners or One Vortex PVC Flow Insert?— Walpole's Solution to Sewer Odor Complaints

-John Potts, Weston & Sampson Kevin Read, IPEX USA

### A System-wide Approach to Collection System I/I Reduction, Asset Management and CMOM in the Town of Durham, NH

-Laurie Perkins, Wright-Pierce Peter Atherton, Wright-Pierce David Cedarholm, Town of Durham, NH Dan Peterson, Town of Durham, NH

## Beyond CMOM and Asset Management: Enhancing Portland's Integrated Infrastructure Renewal and Operations Activities Brings Change to an Old City

-Mike Stein, Woodard & Curran Eric Labelle, City of Portland, ME Seth Garrison, Woodard & Curran

Exhibit Hall Break 3:00-3:30 PM

### PLANT OPERATIONS I—PHOSPHORUS— LIMITS—TESTING AND TECHNOLOGY

Session 9 Simmons

Moderators: David Press, Kleinfelder

Thomas Hazlett, Woodard & Curran

# Is it 0.2 or 0.8?—Flexible Limit Piloting for Phosphorus Removal on Lagoon Effluent

-Jack Myers, Stantec

Kaytee Manchester, Stantec

Alec Tuscany, Village of Waterbury, VT

#### Pre-Selection of Ballasted Flocculation Equipment for Phosphorus Removal

-Craig Wagner, CDM Smith

William Lengyel, CDM Smith

#### Making Effective Use of the Myriad of In-House Phosphorus Testing Methods

-Justin Skelly, Tighe & Bond

Nicholas Tooker, Northeastern University

#### Multiple Benefits of Harvesting Phosphorus from Sidestreams in Des Moines

-William McConnell, CDM Smith

Cameron Clark, CDM Smith

Scott Carr, CDM Smith

Royce Hammitt, Des Moines, IA, WRA

# STORMWATER I— RIP UP THE PAVEMENT— STORMWATER MANAGEMENT AND CSO CONTROL IN 2014

Session 10

Salon C/D

Moderators: Maria Rose, City of Newton, MA
Katherine Weeks, Town of Framingham, MA

# Retrofitting 22 Impervious Acres in the Long Creek Watershed Management District

-Rich Niles, AMEC

# Lessons Learned from RDA Applications in MA and ME—What's Next for Impaired Watersheds in New England?

 Rosalie Starvish, GZA GeoEnvironmental Robyn Saunders, GZA GeoEnviornmental

# Pilot Im plementation and Testing of Innovative Green Infrastructure Project in Chelsea. MA

Richard Claytor, Horsley Witten Group
 Pallavi Mande, Charles River Watershed Association

# The Green Apple—Systematic Implementation of Widespread Green Infrastructure Solutions in NYC

– Margot Walker, NYC DEP Magdi Farag, NYC DEP

Raymond Palmares, NYC DEP

Virginia Roach, CDM Smith

Exhibit Hall Break 3:00-3:30 PM

#### UTILITY MANAGEMENT I-LET'S TALK ABOUT UTILITY MANAGEMENT ISSUES

Session 11 Provincetown

Moderators: Brian Armet, The Mattabassett District Bethany Leavitt, CH2M HILL

#### Creating Change Starts with an Organizational Assessment—A Field-Tested **Approach**

-Seth Garrison, Woodard & Curran Dan Lahiff, City of Lowell, MA Robert Ward, City of Haverhill, MA Eric Labelle, City of Portland, ME

#### Planning and Executing a Comprehensive and Flexible Response to Severe Weather at Operations Sites

-David Dedian, Woodard & Curran

#### Training, Growth & Development Strategies for Operational Success

-Thomas Tyler, The Metropolitan District Commission; Jeffery Bowers, The Metropolitan District Commission

#### EUM and Framework into Award Selection

-Carolyn Hayek, USEPA Region 1 Sean Brennan, Veolia Water NA

#### WATER FOR PEOPLE

Session 12 Wellesley

Moderators: Mary White, MWRA

Hugh Tozer, Woodard & Curran

# The Liberia Municipal Water Project: Developing Cost-Recoverable Water Treatment and Distribution Systems in a Recovering Country

-Travis Watters, Tetra Tech

# Clean Production Technology in Sao Paulo, Brazil Industries—Market Leadership through Environmental Stewardship

-Marina Fernandes, CDM Smith

## Achieving "Everyone Forever" in West Bengal, India—A World Water Corps Trip Report

Katie Chamberlain, CH2M HILL

#### Technology and Community Issues of a Water Project in Rural Honduras

-Clair Barker, Engineers Without Borders

Exhibit Hall Break 10:00-10:30 AM

#### HOT TOPIC-FLUSHABLES/NON DISPERSIBLES

Session 13

Moderators: Katherine Mello, CDM Smith Joseph Nerden, MassDEP

Suffolk

# The Issue with Flushables and Non-Dispersibles—A National Perspective The WEF House of Delegates Non-Dispersibles Workgroup

-Gary Hunter, Black & Veatch

# A Dry Dispersible Nonwoven Towel Solution for Wastewater Management Systems

-Martyn Davis, Sellars Nonwovens

#### The New Wastewater: Collection System Challenges Caused by Today's Modern Trash

-Robert Domkowski, Xylem, Inc.

#### Non-Dispersibles—The Maine Experience and its Pilot Education Campaign

 Aubrey Strause, Verdant Water, PLLC Thomas Connolly, Town of Yarmouth, ME Scott Firmin, Portland Water District Jen McDonnell, Casella Organics

#### CSO/WET WEATHER II-WET WEATHER CONSTRUCTED CASE STUDIES

Session 14 Salon A/B

Moderators: Melissa Recos, Tetra Tech, Inc.

Thomas Sgroi, Greater New Haven WPCA

#### Lower Beacon Street Sewer Separation—Meeting the Constructability Challenge -William Skerpan, BETA Group, Inc.

# Solving Sanitary Sewer Overflows—A Unique New Jersey Approach

-James Cosgrove, Kleinfelder

#### The Mad Dash from Consent Decree Approval to CSO Elimination

-Laurie Perkins, Wright-Pierce Paul Birkel, Wright-Pierce Joseph Jordan, City of Fitchburg, MA

# Five Years and 5 Billion Gallons: Evaluating the Narragansett Bay Commission **CSO Abatement Project**

-Catherine Oliver, Narragansett Bay Commission Christine Comeau, Narragansett Bay Commission Pamela Reitsma, Narragansett Bay Commission

#### **INSTRUMENTATION & AUTOMATION—BETTER OPERATIONS** Session 15 THRU IMPROVED COMMUNICATION & INFORMATION TECHNOLOGY Wellesley

Moderators: John Trofatter, Accusonic Technologies James Spitzer, CDM Smith

# Leveraging Cloud Technology for Managing a FOG Program

-Mark Moreau, Advanced Enterprise Systems Corporation

#### Cellular Telemetry—Yes, Another Communications Option in our Toolbox

-Paul Birkel, Wright-Pierce Phil Arnold, Wright-Pierce

# Process Simulator Use to Model Aeration Control Valve Position & System Pressure

Matthew Gray, BioChem Technology, Inc.

# Software Solutions for Collecting Data with Mobile Devices

-Matthew Davis, Brown and Caldwell

Exhibit Hall Break 10:00-10:30 AM

#### PLANT OPERATIONS II—PLANT OPERATIONS PROCESS PERFORMANCE

Session 16 Salon C/D

Moderators: Ben Levesque, CDM Smith Lindsey Brough, Wright-Pierce

## Experiences with State Point Calculators

-Mickey Nowak, United Water Jack Barry, United Water

#### Mixing Energy-Reduction Case Studies Using Large Bubble Methods

-Eric Spargimino, CDM Smith

Stuart Humphries, EnviroMix, Inc.

Terry Cote, Narragansett Bay Commission

#### Why More is Not Always Better in Nitrogen Removal-Lessons Learned and the Tools Needed to Combat Microthrix Parvicella

-Frederick Mueller, Tighe & Bond Peter Stallings, Town of Stratford, CT

# The Impact of Upstream Process on Meeting Permit Limits with UV Light

-Gary Hunter, Black & Veatch

#### PUBLIC EDUCATION—RAISING PUBLIC AWARENESS

Session 17 Simmons

Moderators: Leonard Young, MWRA

Isabel Tourkantonis, Town of Billerica, MA

## Celebrate Water—Educate, Collaborate, Participate (1 hour)

-Clary Coutu, CDW Consultants, Inc. Elena Proakis Ellis, CDM Smith (Part 1) Meg Tabacsko, MWRA (Part 2)

#### Greening the Grass—Using Social Marketing to Encourage Mainers to Adopt Healthy Lawn Care Practices

-Jami Fitch, Cumberland County Soil & Water Conservation

# Everyday Examples in Engineering—An Evolving Trend in Engineering Education and STEM Program Development

-Francis Hopcroft, Wentworth Institute of Technology

#### SAFETY-UTILITY HAZARDS ASSESSMENT-IS YOUR SAFETY PROGRAM KEEPING UP?

Session 18 Provincetown

Moderators: David Aucoin, Narragansett Bay Commission Alfred Jellison, City of Bangor, ME

#### Top 10 Safety Failures

-David Wright, Weston & Sampson

#### Strengthening Treatment Facility Chemical Process Safety

-David Horowitz, Tighe & Bond

# Understanding Arc Flash Safety Requirements and Hazard Mitigating **Techniques**

-Bryan Lisk, Hazen and Sawyer

#### Responding to Weather Related Incidents—Utility Perspective

-Michael Koza, Portland Water District

Exhibit Hall Break 2:30-3:00 PM

#### HOT TOPIC—FUNDING

Session 19 Salon A/B

Moderators: Geraldine Ciardelli, City of Nashua, NH Edward Whatley, Vanasse Hangen Brustlin

#### Reducing the Impacts of Mayhem—How to Increase Infrastructure Resiliency in a Changing Environment, and Get it Funded

-Peter Garvey, Dewberry Deborah Mills, Dewberry

### Up the Creek—Developing a Public-Private Partnership to Clean Up an Impaired Stream in the Face of a Citizen Suit

-Tamara Lee Pinard, Long Creek Watershed Management District

# Dealing with the Elephant in the Room-Getting Value for Road Restoration on Sewer Projects

-David Partridge, Tighe & Bond Christina Jones, Tighe & Bond

### Financing a Wastewater Collection and Treatment Capital Improvement Plan without Raising Rates or Taxes

-Mark Thompson, Kleinfelder Gus O'Leary, Kleinfelder

# COLLECTIONS SYSTEMS II—IF IT'S BROKE, FIX IT— CONSTRUCTION REPAIRS

Session 20 Provincetown

Moderators: Robert Domkowski, Xylem Marilyn Baron, Epoxytec

#### 100 Year Storm = \$1.0 Million Fix

-Frederick McNeill, City of Manchester, NH - EPD

## Batten Down the Hatches-Evaluating Rehabilitation Options to Protect the Springfield Water and Sewer Commission's Largest Assets for the Long Haul

-Bryan Walsh, Kleinfelder Laura Robinson, Kleinfelder

# On the Brink of Collapse—Rehabilitating Sewers in the Town of Weymouth -Paul Hoye, Weston & Sampson

#### Between a Neighborhood and a Salt Marsh—Trunk Sewer Replacement Along a Tidal River

-Stephen Olson, Environmental Partners Group, Inc.

#### TUESDAY TECHNICAL SESSIONS 19 - 24 (CONTINUED)

1:30-4:00 PM

Exhibit Hall Break 2:30-3:00 PM

# ENERGY I—PLANNING AND RESEARCHING FOR SUSTAINABILITY AND ENERGY NEUTRALITY

Session 21 Salon C/D

Moderators: Thomas Schwartz, Woodard & Curran Cynthia Castellon, Tighe & Bond

#### Planning for the Future—Developing a Comprehensive Energy Management Master Plan

 Bryan Lisk, Hazen and Sawyer Joseph Rohrbacher, Hazen and Sawyer John Dodson, City of Durham, NC

#### Leadership Challenges in Improving Energy Performance

-Madeline Snow, University of Massachusetts, Lowell

#### Energy Neutral Water Resource Recovery Facilities—Results from Recent WERF Research

– Christine Polo, Black & Veatch Ralph Eschborn, AECOM Paul Kohl, Philadelphia Water Department Lauren Fillmore, Water Environment Research Foundation

## Primary Treatment is the Key to Attaining Energy Neutrality

 Edmund Kobylinski, Black & Veatch Gustavo Queiroz, Black & Veatch Hari Santha, Black & Veatch Patricia Scanlan, Black & Veatch

#### OPERATOR INGENUITY

Session 22

Suffolk

Moderators: Timothy Vadney, Wright Pierce Ed Rushbrook, Process Analysts Ray Vermette, City of Dover, NH

#### Sample Cart (40 minutes)

-Peter Sullivan, Warwick Sewer Authority

#### Innovative Pin Press and Other Items (20 minutes)

-Joe Crobsy, Narragansett Bay Commission

#### Check Valve Bypass Connection (20 minutes)

-Kevin Cini, City of Groton, CT

#### Sampler Hanger (20 minutes)

-Sara Nadeau, Narragansett Bay Commission

# **Keeping the Samples Clean and On-time, 5 Minute Fixes to Make Life Easier** (20 minutes)

-Mike Carle, Town of Hampton, NH

# SMALL COMMUNITY SMORGASBORD-COMPLIANCE, COOPERATION, AND COSTS

Session 23 Simmons

Moderators: Sean Osborne, OSD LLC Marc Drainville, GHD

#### Obstacles to Sustainability—Issues Facing Tribes and Small Communities Nationwide, and Techniques to Overcome Them

-Mark Nelson, Horsley Witten Group, Inc. Matthew Richardson, US EPA

#### Scalable Wastewater Treatment for Watershed Compliance

-Joshua Lindell, Aquapoint.3 LLC

# Survey of Construction Costs for New England Drip Dispersal Systems

-Mike Giggey, Wright-Pierce

#### State of Connecticut and the Private Sector Work Together to Turn Two Wrongs into One Right

-Anthony DeSimone, Weston & Sampson Gene Ely, Heritage Village Water Company Aaron Pethic, Weston & Sampson Carl Stone, Weston & Sampson

#### STORMWATER II—PLANNING FOR CLIMATE CHANGE

Session 24

Moderators: Glenn Haas, Brown and Caldwell Aubrey Strause, Verdant Water, PLLC Wellesley

## Climate Change and Stream Crossing Structures Part 1—Habitat Integrity **Implications**

-Scott Jackson, University of Massachusetts Beth Lambert, Massachusetts Division of Ecological Restoration David Nyman, Comprehensive Environmental, Inc.

# Climate Change and Stream Crossing Structures Part 2—Fluvial Processes and Stream Morphology Considerations

-Beth Lambert, Massachusetts Division of Ecological Restoration Scott Jackson, University of Massachusetts David Nyman, Comprehensive Environmental, Inc.

## Climate Change and Stream Crossing Structures Part 3—Resilient Stream Crossing Design

-David Nyman, Comprehensive Environmental, Inc. Beth Lambert, Massachusetts Division of Ecological Restoration Scott Jackson, University of Massachusetts

# Multi-Event Natural Disasters—The New Normal Challenging Infrastructure Resiliency Planning

-John Henz, Dewberry

Exhibit Hall Break 9:30-10:00 AM

#### HOT TOPIC-GREEN INFRASTRUCTURE

Session 25

Moderators: Virginia Roach, CDM Smith

Tilo Stahl, BioChem Technology, Inc.

Salon A/B

#### Capturing the Green Infrastructure Credit for CSO Abatement Compliance

-Dingfang Liu, CH2M HILL; Nicholas Warrens, CH2M HILL

Rita Fordiani, CH2M HILL; Nicholas Capozza, Onondaga County, NY

# Collaborative Plannina for Green Infrastructure in the Mystic River Watershed

-Lori Kennedy, Bioengineering Group

Patrick Herron, Mystic River Watershed Association

Jeffrey Walker, Tufts University

#### A Comprehensive Approach to Urban Water Quality Restoration—Roger Williams Park Ponds

-Brian Kuchar, Horsley Witten Group

#### Integrating the Latest Industry Trends into "Old Style" Projects

-Patricia Passariello, Weston & Sampson Andrew DeSantis, City of Chelsea, MA

PROJECT DELIVERY ALTERNATIVES—

Session 26

Suffolk

SELECTING PROJECT DELIVERY TO MAXIMIZE VALUE

Moderators: Michael Walsh, CDM Smith John Lanzoni, Siemens Industry Inc.

## Case Study—Project Delivery Alternatives in the Context of a Financially Handicapped Municipality

-Bruce Tobey, Pannone Lopes Deveraux & West LLC

#### Pioneering Design-Build in Ohio

-Stephen Gates, Brown and Caldwell

# Pushing the Limit Without Breaking the Bank: Selection, Procurement and Testing of a Phosphorus Removal Process

-Jon Pearson, AECOM; Dennis Dievert, Town of Cheshire, CT Matthew Formica, AECOM: Donald Chelton, AECOM

#### Easton's P3 Models to Maximize Public Value

-Joseph Shea, Woodard & Curran; Daniel Smith, Town of Easton, MA

#### INDUSTRIAL WASTEWATER—THE CYCLE OF COMPLIANCE

Session 27

Moderators: Donald Kennedy, NEIWPCC

Welleslev

## Unraveling the Intersections, Overlap, and Gaps of MassDEP and MWRA Industrial Pretreatment Regulations

- Sandra Perry, Triumvirate Environmental

### Efforts to Reduce Waste FOG Discharges to the Narragansett Bay Commission Wastewater Treatment Facilities

-Brendan Cunha, Narragansett Bay Commission

#### Mercury—An Old Problem with New Implications

-William Potochniak, Capaccio Enviromental Engineering David Foye, Beth Israel Deaconess Medical Center

#### Thirty Years Later—Evaluation of Heavy Metals Contamination in Bivalves After Successful Load Reduction in Narragansett Bay

-Christine Comeau, Narragansett Bay Commission

#### WEDNESDAY TECHNICAL SESSIONS 25 - 29 8:30-11:00 AM (CONTINUED) Exhibit Hall Break 9:30-10:00 AM

## ENERGY II—ENERGY EFFICIENCY IMPROVEMENTS THROUGH PLANNING AND CONTINUING IMPROVEMENTS

Session 28 Salon C/D

Moderators: Denise Breiteneicher, MWRA Erik Osborn, Woodard & Curran

#### Pilot Study to Reduce Energy Use with Bonus Nutrient Reduction

 Mark Allenwood, Brown and Caldwell David Green, City of Rochester, NH

#### Aeration System Optimization/Dissolved Oxygen Study at the Deer Island Treatment Plant

-Carina Hart, Fay, Spofford & Thorndike Parviz Amirhor, Fay, Spofford & Thorndike Sun-Nan Hong, Consultant Ethan Wenger, MWRA

## Sustainable Aeration Design—"Right Sizing" Blowers and Aeration Systems to Facilitate Energy Efficient Operation of WWTF

-Joseph Rohrbacher, Hazen and Sawyer Paul Pitt. Hazen and Sawver Diego Rosso, University of California

#### Traditional and Non-Traditional Energy Initiative at The Greater Lawrence Sanitary District

-Richard Weare, Greater Lawrence Sanitary District

#### SUSTAINABILITY II—SUSTAINABILITY A TO Z

Session 29

Moderators: Kimberly Woodward, Tighe & Bond Wayne Bates, Capaccio Environmental Engineering Simmons

#### Aguifier Vulnerability and Fire Flow Impact—The VIPER Emergency Management Project

-Gabrielle Belfit, Tighe & Bond

### Planning for Future Floods—Sea Level Rise Impacts for Three Shore **Communities**

- André Martecchini, Kleinfelder

#### Evolving Trends in Sustainability and the Potential Impacts on Publicly Owned **Treatment Plants**

-Julie Muszalski, Capaccio Environmental Engineering Wayne Bates, Capaccio Environmental Engineering

#### Sustainable Energy Planning Update at the Narragansett Bay Commission

-Barry Wenskowicz, Narragansett Bay Commission

#### WEDNESDAY TECHNICAL SESSIONS 30 - 33

1:00-3:00 PM

#### HOT TOPIC—INTEGRATED WATER RESOURCES PLANNING

Session 30

Moderators: Nicholas Ellis, Hazen and Sawyer Patricia Passariello, Weston & Sampson Salon C/D

## A City at Crossroads—Chicopee Pursues a New Path Toward Integrated Water Resources Management Planning for CSO Abatement

-Todd Brown, Tighe & Bond

Thomas Hamel, City of Chicopee, MA

Tiffany Labrie, Tighe & Bond

## In the Eye of the Perfect Storm—Integrated Resource Planning in Medway, MA

-Betsy Frederick, Kleinfelder

Thomas Holder, Town of Medway, MA

Kirsten Ryan, Kleinfelder

#### Model Partnership to Pursue Integrated Permit in Durham, NH

-Zach Henderson, Woodard & Curran

David Cedarholm, City of Durham, NH

William Arcieri, Vanasse Hangen Brustlin

## Integrated Planning—How is it Being Done Across the Country and How is it Working Out?

-Bethany Leavitt, CH2M HILL William McMillin, CH2M HILL

### COLLECTION SYSTEMS III—ACADEMIC MY DEAR WATSON— LEARN SOMETHING NEW EACH DAY

Session 31

Welleslev

Moderators: Ryan Wingard, Wright-Pierce

Paul Barden, Town of Framingham, MA

#### Ownership of Pressure Sewer Systems—"The Only Thing We Have to Fear, is Fear Itself"

- Henry Albro, F. R. Mahony & Associates

Michael Vosnakis, Town of Chelmsford, MA

Frank Cooper, Town of Marion, MA

### Hydrophilic Gasket Sealing Technology—A Solution to Sealing Deficiencies in Cured In-place Pipe Lining

-Sahar Hasan, Hazen and Sawyer

#### Submersible Pump Design & Selection Considerations

-Gary MacDonald, Mechanical Solutions

# Competitive Evaluation of Biological Control for FOG Control for Oklahoma City, OK

Andrew Newold, In-Pipe Technology Company, Inc.

Kenny Davis, Oklahoma City Water Utilities Trust

Ricky Snodgrass, Oklahoma City Water Utilities Trust

Rich Schici, In-Pipe Technology Company

Mike Williams, In-Pipe Technology Company

#### WEDNESDAY TECHNICAL SESSIONS 30 - 33 (CONTNUED)

1:00-3:00 PM

#### PLANT OPERATIONS III—NITROGEN REMOVAL CASE STUDIES

Session 32

Moderators: Jon Hume, Wright-Pierce

Michael Emond, Town of Manchester, CT

Suffolk

#### Improving Process Performance, Startup Issues & Lessons Learned in the Upgrade of a Conventional Activated Sludge Plant to a Four-Stage Bardenpho Process

– Jeffrey McDonald, Fuss & O'Neill, Inc.

# Factors for Successfully Reducing Effluent Total Nitrogen Below 2.5 mg/L Using Conventional Nutrient Removal Strategies

-Joseph Rohrbacher, Hazen and Sawver

Katya Bilyk, Hazen and Sawyer

Rosalyn Matthews, Hazen and Sawyer

Paul Pitt. Hazen and Sawver

#### Denitrification Filters—Case Study of Seven Installations Along the East Coast, Performance and Lessons Learned

Karen Wong, GHD Inc.

Marc Drainville, GHD Inc.

#### Nitrogen Removal Without pH Adjustment in an Alkalinity Deficient Wastewater: Amherst, Massachusetts

- Grant Weaver, The Water Planet Company James Laford, Town of Amherst, MA

### STORMWATER III—THE RISING SEA OF WET-WEATHER MANDATES AND CHALLENGES

Session 33 Salon A/B

Moderators: Jeff Cantwell, Flow Assessment Services Stacey DePasquale, SDE, Inc.

# ALERT: A TMDL Compliance Management Tool

Jean Haggerty, AMEC

#### Modeling the Way Toward TMDL Compliance in Boston

-Mitchell Heineman, CDM Smith

Paul Keohan, Boston Water and Sewer Commission

#### Strategic Flow Deflection for Phosphorus Control in Stormwater

- David Bedova, MWH

William Pisano, MWH

Owen O'Riordan, City of Cambridge, MA

#### Does it Rain Before or After A Flood?—Analysis of Coincidental Rainfall and River Elevations Leads to a Cost-effective Replacement of a CSO Pump Station for Flood Protection

-Derek Etkin, CDM Smith

Mark Young, Lowell Wastewater Utility

Michael Stuer, Lowell Wastewater Utility

James Drake, CDM Smith

# **Annual Business Meeting**

#### **MONDAY, JANUARY 27**

Welcome8:00 AMMike Bonomo, NEWEA PresidentRegis

#### **2014 Officer Nominations**

8:00-8:30 AM

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 27, 2014:

- Vice President Raymond Willis
- Treasurer Frank Occhipinti (2nd year)
- Secretary Jerry Potamis (1st year)
- Council Director Communications–James Barsanti (2nd year)
- Council Director Meeting Management Meg Tabacsko (2nd year)
- Council Director Collection Systems & Water Resources Virgil Lloyd (1/14 1/17)
- WEF Delegate Daniel Bisson (10/14 10/17)
- Connecticut Director Jay Sheehan (1/14 1/17)
- Massachusetts Director Michael Moreau (1/14 1/17)

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

- President Bradley Moore
- President-Elect Matthew Formica
- Past President Michael Bonomo

The remaining incumbents are fulfilling unexpired terms:

- WEF Delegate Jennifer Lachmayr (exp. 10/14)
- WEF Delegate Howard Carter (exp. 10/15)
- WEF Delegate Phyllis Rand (exp. 10/16)
- Council Director Outreach Thomas Groves (exp. 1/15)
- Council Director Treatment, Sys Operations, and Mgmt Priscilla Bloomfield (exp. 1/16)
- Rhode Island Director Janine Burke (exp. 1/15)
- Vermont Director Robert Fischer (exp. 1/15)
- Maine Director Peter Goodwin (exp. 1/16)
- New Hampshire Director Fred McNeill (exp. 1/16)

All nominees have indicated their willingness to serve.

Respectfully Submitted by the NEWEA Nominating Committee:

Howard Carter (Chair), Roger Janson, Daniel Bisson, James Barsanti, Meg Tabacsko

Adiourn

Mike Bonomo, NEWEA President

# **Poster Board Displays**

#### TUESDAY, JANUARY 28 · 8:30 AM-4:30 PM · 4TH FLOOR ATRIUM

## Energy Usage Reduction from Enhanced Nutrient Removal Efficiancy During **Cold Water Temperatures**

Bulbul Ahmed, In-Pipe Technology Company, Inc.

#### Extended Bases—The Importance of Manhole Stabilization

Rebecca Ducharme, Tighe & Bond

## Mixing Zones and NPDES Permit Effluent Limitations

Raymond Ferrara, Kleinfelder/Omni

### Non-Destructive Evaluation and Condition Assessment of Sewer Force Mains Michael Funk, Pure Technologies

#### The Decentralized Model: A Lean and Green Future for Utilities

Dennis Hallahan, Infiltrator Systems, Inc.

# Green Infrastructure for Sustainable Wastewater Treatment: A phyto Technology demonstration Project

Tabitha Harkin, Cape Cod Commission

## NBC Stormwater Mitigation Program: A Comprehensive Approach to the Urban Stormwater Problem

Stephen Lallo, Narragansett Bay Commission

# Using Disefilter Technology to Treat Primary Wastewater

Quang Ly, Kruger Inc.

#### Interim Glycerol Addition at the 26th Ward WWTP

Michael Lynch, Hazen and Sawyer

## Detention/Infiltration Facilities for Partial Separation Projects, Chicopee, MA David Partridge, Tighe & Bond

#### Relocating a Wastewater Treatment Facility and Meeting the Increased Capacity Demands for a Growing Region

Robert Polys, Woodard & Curran

#### Cold Temperature Nitrification of Lagoon Effluent Using Biologically Active Filter (BAF)

Edward Quann, F.R. Mahony & Associates

#### Managing Growth in Nitrogen Sensitive Watersheds Can Reduce Cape Cod Wastewater Infrastructure Costs

Carole Ridley, Ridley & Associates, Inc.; Michael D. Giggey, Wright-Pierce

#### Eliminating Stormwater from Neighborhoods and Homes through Watershedfriendly Property Certifications

Ross Saxton, Tethys Environmental

#### Worry-Free Chemical Phosphorus Removal

Melody White, Hach Company

The Sewering of an Entire Town—How Chatham, MA is Planning to Gain Complete Control of their Wastewater to Protect their Drinking Water Supplies and Restore the Local Environment

Karen Wong, GHD Inc.

# **Moderators**

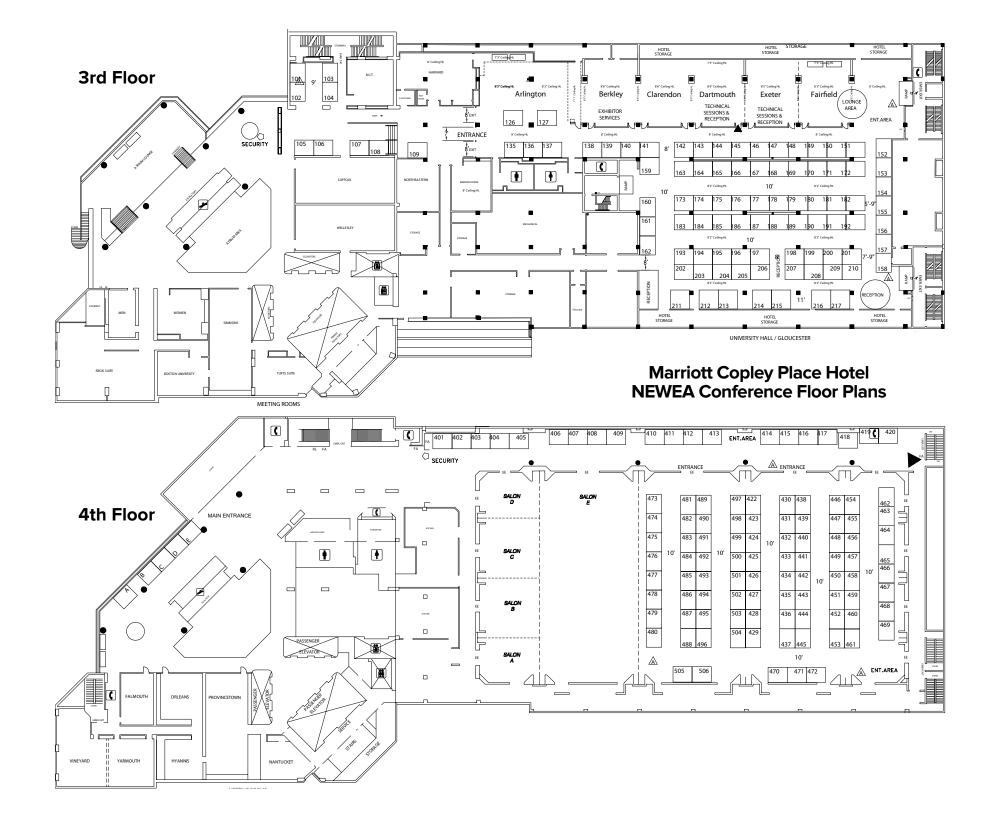
Moderator	Affiliation	Session No.
	.The Mattabassett District	
,	. FRPI	
	. Narragansett Bay Commission	
	. Town of Framingham, MA	
-	. Epoxytec	
	. Town of Framingham, MA	
	. Capaccio Enviornmental Engineering	
Denise Breiteneicher	. MWRA	28
	. Wright-Pierce	
Jessica Cajigas	. Comprehensive Environmental, Inc	7
	. Flow Assessment Services	
	. Tighe & Bond	
Geraldine Ciardelli	. City of Nashua, NH	19
Stacey DePasquale	. SDE, Inc.	33
Robert Domkowski	. Xylem	20
Marc Drainville	. GHD	23
	. Carollo Engineers	
Nicholas Ellis	. Hazen and Sawyer	30
	. Town of Manchester, CT	
Steven Freedman	. AECOM	3
Peter Garvey	. Dewberry	8
Glenn Haas	. Brown and Caldwell	24
Thomas Hazlett	. Woodard & Curran	9
Jon Hume	. Wright-Pierce	32
Alfred Jellison	. City of Bangor, ME	18
Jonathan Keaney	. Brown and Caldwell	4
Donald Kennedy	. NEIWPCC	27
John Lanzoni	. Siemens Industry, Inc	26
Bethany Leavitt	. CH2M HILL	11
Ben Levesque	. CDM Smith	16
Thomas Loto	. ARCADIS	8
Katherine Mello	. CDM Smith	13
Vinnie Melendez	. GSRWA	1
Joseph Nerden	. MassDEP	13
Mickey Nowak	. United Water	7
Erik Osborn	. Woodard & Curran	28
Sean Osborne	. OSD, LLC	23
Patricia Passariello	. Weston & Sampson	30
David Press	. Kleinfelder	9
Melissa Recos	. Tetra Tech, Inc	14
Virginia Roach	. CDM Smith	25
John Rogers	. CH2M HILL	2

Moderator	Affiliation	Session No.
	City of Newton, MA	
Ed Rushbrook	Process Analysts	22
Thomas Schwartz	Woodard & Curran	21
Thomas Sgroi	Greater New Haven WPCA	14
Elaine Sistare	CDM Smith	4
Alan Slater	MassDEP	5
	CDM Smith	
	Tata and Howard	
	BioChem Technology, Inc	
Aubrey Strause	Verdant Water, PLLC	24
Nicholas Tooker	Northeastern University	1
	Town of Billerica, MA	
Hugh Tozer	Woodard & Curran	12
John Trofatter	Accusonic Technologies	15
Timothy Vadney	Wright-Pierce	22
	City of Dover, NH	
Michael Walsh	CDM Smith	26
Elizabeth Watson	United Water	6
Katherine Weeks	Town of Framingham, MA	10
Edward Whatley	Vanasse Hangen Brustlin	19
Mary White	MWRA	12
Ryan Wingard	Wright-Pierce	31
Kimberly Woodward	Tighe & Bond	29
Leonard Young	MWRA	17
Meredith Zona	Fay, Spofford & Thorndike	5

# **Presenters**

Presenter	Affiliation	Session No.
Henry Albro	.F. R. Mahony & Associates	31
Mark Allenwood	. Brown and Caldwell	28
Thomas Amidon	. Kleinfelder	1
Parviz Amirhor	. Fay, Spofford & Thorndike	7, 28
	. Vanasse Hangen Brustlin	
	. ADS Environmental Services	
Phil Arnold	. Wright-Pierce	15
Peter Atherton	. Wright-Pierce	8
Rebecca Balke	. Comprehensive Environmental Inc	1
Claire Barker	. Engineers Without Borders	12
	. United Water	
Wayne Bates	. Carpaccio Environmental Engineering	29
David Bayer	Baltimore County, MD	3
David Bedoya	. MWH	33
Gabrielle Belfit	. Tighe & Bond, Inc	29
	. Hazen and Sawyer	
	. Wright-Pierce	
	. Springfield Water and Sewer Commission	
Mark Bottin	. Hazen and Sawyer	4
	. The MDC	
Sean Brennan	. Veolia Water NA	11
Paul Brinkman	. Wright-Pierce	2
Jane Brooks	. Springfield Water and Sewer Commission	1
Todd Brown	. Tighe & Bond, Inc	30
	. City of Columbus, OH	
Nicholas Capozza	. Onondaga County, NY	25
Scott Carr	. CDM Smith	9
Mike Carle	. Town of Hampton, NH	22
	. Town of Durham, NH	
Katie Chamberlain	. CH2M HILL	12
Donald Chelton	. AECOM	26
Kevin Cini	. City of Groton, CT	22
Cameron Clark	. CDM Smith	9
Richard Claytor	. Horsley Witten Group, Inc	10
Christine Comeau	. Narragansett Bay Commission	14, 27
Frank Cooper	. Town of Marion, MA	31
James Cosgrove	. Kleinfelder	14
Terry Cote	. Narragansett Bay Commission	16
Clary Coutu	. CDW Consultants, Inc	17
Joe Crosby	. Narragansett Bay Commission	22
Brendan Cunha	. Narragansett Bay Commission	27
Kenny Davis	. Oklahoma City Water Utilities Trust	31

Martyn Davis Sellars Nonwovens
David Dedian.         Woodard & Curran         11           Andrew DeSantis         City of Chelsea, MA         25           Anthony DeSimone         Weston & Sampson         23           Dennis Divert.         Town of Cheshire, CT         26           John Dodson         City of Durham, NC         21           Robert Domkowski         Xylem, Inc         13           Marc Drainville         GHD Inc         5, 7, 32           James Drake         CDM Smith         33           David Duest         MWRA         7           Courtney Eaton         Carollo Engineers         6           Lisa Eicholtz         Baltimore County, MD         3           David Elliott         RDK Engineers         2           Nicholas Ellis         Hazen and Sawyer         5           Gene Ely         Heritage Village Water Company         23           Heonseop Eom         University of Massachusetts         1           Ralph Eschborn         AECOM         21           Derek Etkin         CDM Smith         33           Magdi Farag         New York City DEC         10           Marina Fernandes         CDM Smith         12           Lauren Fillmore         Water Environment Research Foundati
Andrew DeSantis City of Chelsea, MA
Anthony DeSimone Weston & Sampson 23 Dennis Divert Town of Cheshire, CT 26 John Dodson City of Durham, NC 21 Robert Domkowski Xylem, Inc 13 Marc Drainville GHD Inc 5, 7, 32 James Drake CDM Smith 33 David Duest MWRA 7 Courtney Eaton Carollo Engineers 6 Lisa Eicholtz Baltimore County, MD 3 David Elliott RDK Engineers 2 Nicholas Ellis Hazen and Sawyer 5 Gene Ely Heritage Village Water Company 23 Heonseop Eom University of Massachusetts 1 Ralph Eschborn AECOM 21 Derek Etkin CDM Smith 33 Magdi Farag New York City DEC 10 Marina Fernandes CDM Smith 12 Lauren Fillmore Water Environment Research Foundation 21 Scott Firmin Portland Water District 13 Jami Fitch Cumberland County Soil & Water Conservation Dist 17 Shallan Fitzgerald Dewberry 6 Rita Fordiani CH2M HILL 25
Dennis Divert
John DodsonCity of Durham, NC21Robert DomkowskiXylem, Inc13Marc DrainvilleGHD Inc5, 7, 32James DrakeCDM Smith33David DuestMWRA7Courtney EatonCarollo Engineers6Lisa EicholtzBaltimore County, MD3David ElliottRDK Engineers2Nicholas EllisHazen and Sawyer5Gene ElyHeritage Village Water Company23Heonseop EomUniversity of Massachusetts1Ralph EschbornAECOM21Derek EtkinCDM Smith33Magdi FaragNew York City DEC10Marina FernandesCDM Smith12Lauren FillmoreWater Environment Research Foundation21Scott FirminPortland Water District13Jami FitchCumberland County Soil & Water Conservation Dist17Shallan FitzgeraldDewberry6Rita FordianiCH2M HILL25
Robert DomkowskiXylem, Inc.13Marc DrainvilleGHD Inc.5, 7, 32James DrakeCDM Smith33David DuestMWRA7Courtney EatonCarollo Engineers6Lisa EicholtzBaltimore County, MD3David ElliottRDK Engineers2Nicholas EllisHazen and Sawyer5Gene ElyHeritage Village Water Company23Heonseop EomUniversity of Massachusetts1Ralph EschbornAECOM21Derek EtkinCDM Smith33Magdi FaragNew York City DEC10Marina FernandesCDM Smith12Lauren FillmoreWater Environment Research Foundation21Scott FirminPortland Water District13Jami FitchCumberland County Soil & Water Conservation Dist.17Shallan FitzgeraldDewberry6Rita FordianiCH2M HILL25
Marc DrainvilleGHD Inc.5, 7, 32James DrakeCDM Smith33David DuestMWRA7Courtney EatonCarollo Engineers6Lisa EicholtzBaltimore County, MD3David ElliottRDK Engineers2Nicholas EllisHazen and Sawyer5Gene ElyHeritage Village Water Company23Heonseop EomUniversity of Massachusetts1Ralph EschbornAECOM21Derek EtkinCDM Smith33Magdi FaragNew York City DEC10Marina FernandesCDM Smith12Lauren FillmoreWater Environment Research Foundation21Scott FirminPortland Water District13Jami FitchCumberland County Soil & Water Conservation Dist.17Shallan FitzgeraldDewberry6Rita FordianiCH2M HILL25
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Paul Hogan	Woodard & Curran	1
Richard Hogan	Greater Lawrence Sanitary District	4
Thomas Holder	Town of Medway, MA	30
Francis Hopcroft	Wentworth Institute of Technology	17
Sun-Nan Hong	Consultant	28
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Kris Houle	Horsley Witten Group, Inc	3
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Eric Johnson	Town of Framingham, MA	2
Christina Jones	Tighe & Bond, Inc	19
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Lori Kennedy	Bioengineering Group	25
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Edmund Kobylinski	Black & Veatch	21
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Michael Koza	Portland Water District	18
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James Laford	Town of Amherst, MA	32
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	CDM Smith	
-	Fuss & O'Neill, Inc.	
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	Advanced Enterprise Systems Corporation .	
	CDM Smith	
	Tighe & Bond, Inc	
	New York City DEP	
	Capaccio Environmental Engineering	
,	Stantec	
	Narragansett Bay Commission	
	Horsley Witten Group, Inc	
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	In-Pipe Technology Company, Inc	
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	United Water	
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Laura Robinson	Kleinfelder	20
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Kirsten Ryan	Kleinfelder	30
Hari Santha	Black & Veatch	1
Robyn Saunders	GZA GeoEnvironmental, Inc	10
Patricia Scanlan	Black & Veatch	21
Joseph Shea	Woodard & Curran	26
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	Weston & Sampson	
	Verdant Water, PLLC	
	Lowell Wastewater Utility	
	Warwick Sewer Authority	
	MWRA	
•	Kleinfelder	
•	Pannone Lopes Devereaux & West LLC	
	Northeastern University	
	Pannone Lopes Devereaux & West LLC	
	Philadelphia Water Department	
	Village of Waterbury, VT	
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Jeffrey Walker	Tufts University	25
Margot Walker	New York City DEC	10
Michael Walker	Town of Yarmouth, MA	29
Bryan Walsh	Kleinfelder	20
Michael Walsh	CDM Smith	4
Robert Ward	City of Haverhill, MA	11
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Ethan Wenger	MWRA	28
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Michael Wilson	CH2M HILL	4
Karen Wong	GHD Inc	32
David Wright	Weston & Sampson	18
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# **Spouse/Partner Program**

### **MONDAY, JANUARY 27**

**Lunch** Noon Meet at the *Top of the Hub* restaurant

**Exhibit Hall Reception** (3rd Floor Exhibit Area) 4:30–6:30 PM

**TUESDAY, JANUARY 28** 

Continental Breakfast 7:30–8:45 AM Regis

#### Aloha

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

Let's leave the cold and snow behind and escape to Hawaii. Well sort of. Our day will be spent learning about the customs and culture of our 50th state. Most people think of a lei as floral but actually, there are many kinds of leis. We will make several different ones. Our own tiki bar and mixologist will concock a variety of tropical drinks for us to enjoy and our lunch will consist of the traditional "lunch plate" items.



So put on your flipflops, grass skirt and tropical shirt and come join in the Aloha spirit. those who have the glue guns from June please bring them.

Exhibit Hall Reception (4th Floor Exhibit Area)

4:00-6:00 PM

Don't forget, Monday lunch at the "Top of the Hub" at 12:00 noon, This is independent of the NEWEA registration. Remember—no jeans.

# **Exhibitors**

Adams Valves Booth #506

Adams Valves designs and manufactures metal-seated valves for critical applications: isolation, pump control, check, and combination valves. Their triple offset, metal-seated valves revolutionized the valve industry. Adams has installations throughout New England, the United States, and the world.

Contact: Tim Martin, 12303 Cutton Road, Houston, TX 77066, tel: (281) 453-3750, fax: (281) 453-3749, sales@adamsvalves-usa.com, www. adamsvalves-usa.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

#### ADS Environmental Services (BRONZE SPONSOR)

Booth #481, 489

ADS provides a full range of flow monitoring equipment and service as well as a 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 valveinsertion equipment.

Contact: Mike Bonomo, 51 Wentworth Ave., Unit 11, Bldg. B, Londonderry, NH 03053, tel: (203) 257-3224, fax: (203) 261-2715, mbonomo@idexcorp.com, www.adsenv.com.

#### Advanced Drainage Systems, Inc.

Booth #202

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: Hugh Scott, 58 Wyoming Street, Ludlow, MA 01082, tel: (603) 828-9253, fax: (413) 589-7926, hugh.scott@ads-pipe.com, www. ads-pipe.com.

#### Ambio Ltd

Booth #454-458, 464-467

Compact, Low Maintenance Photoionization Odor Control Systems.

Contact: Calvin Pride, PO Box 3276, Brewer, ME 04412, tel: (207) 989–0591, fax: (207) 433–1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

#### AMEC Environment & Infrastructure, Inc.

Booth #103

AMEC is a focused supplier of consultancy, engineering and project management services to its customers in the environment, water resources, infrastructure, oil and gas, mining and clean energy markets.

Contact: Rich Niles, 271 Mill Road, Chelmsford, MA 01824, tel: (978) 692-9090, fax: (978) 692-6633, rich.niles@amec.com, www.amec.com

#### ANUA

#### Booth #411-413, 473-476, 482-483, 490-491

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

Contact: John Payne, PO Box 77457, Greensboro, NC 27417, tel: (336) 547–9338, fax: (336) 547–9339, john.payne@anua-us.com, www.anua.com, Manufacturing Rep: Wescor Associates, Inc.

#### AP/M Permaform

Booth #160

#### APG-Neuros. Inc.

Booth #411-413, 473-476, 482-483, 490-491

Contact: Patrick Gedgaudas, 160 Banker Road, Plattsburgh, NY 12901, tel: (877) 717-4150, pgedgaudas@apg-neuros.com, www.apg-neuros.com, Manufacturing Rep: Wescor Associates, Inc.

#### Apollo Safety, Inc.

Booth #211

Apollo Safety is a factory-trained sales, repair, maintenance, and rental center headquarter in Fall River, MA, with offices in Boston, and Stratford, CT. We service a wide variety of gas detection instruments, as well as supply a range of safety products, including PPE and first aid.

Contact: Kate Melody, 57 Walnut St, Fall River, MA 02790, tel: (800) 813-5408, katie@apollosafety.com, www.apollosafetyproducts.net

#### Aqua Solutions, Inc. (GOLD SPONSOR)

Booth #452-453, 460-461, 469

Proudly Representing: Aerzen, Alfa Laval/Ashbrook Simon-Hartley, Amwell, Aquarius Technologies, Biochem, Continental Blower, Egger Turo Pump, FKC Co., Flowserve, Hydro International, Infilco-Degremont, Invent, JWC Environmental, L&J, Ovivo, Ozonia, & Seepex.

Contact: 154 W. Grove St, Unit D, Middleboro, MA 02346, tel. (508) 947–5777, fax: (508) 861–0733, info@aquasolutionsinc.net, www. aquasolutionsinc.net

Aquionics, Inc. Booth #401-410

Aquionics has been successfully selling and servicing UV disinfection equipment within North America for over 25 years. Aquionics provides a wide range of UV Disinfection products for the municipal water and wastewater markets.

Contact: Bob English, 1455 Jamike Ave., Ste 100, Erlanger, KY 41018, tel: (859) 240-8275, fax: (859) 341-0350, bob.english@aquionics.com, www.aquionics.com. Manufacturing Rep: F.R. Mahony & Associates, Inc.

### Aquaturbo Systems, Inc.

#### Booth #411-413, 473-476, 482-483, 490-491

Fixed low speed "bottom aerator/mixers, floating surface aerators, fixed low speed surface aerators, screwpeller technology combines highefficiency with gentle action and complete mixing. Foam breakers and submersible mixers.

Contact: Ivan Longueville, 1754 Ford Avenue, Springdale, AZ 72764, tel: (479) 927–1300, fax: (479) 927–0700, ivan.longueville@aquaturbo.com, www.aquaturbo.com, Manufacturing Rep: Wescor Associates, Inc.

# **ASA** Analytics

# Booth #411-413, 473-476, 482-483, 490-491

ChemScan Analyzers are used widely for biological nutrient (BNR) 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 Stephens, 2325 Parklawn Drive, Ste 1, Waukesha, WI 53186, tel: (262) 391-8306, fax: (513) 683-8022, bpf@chemscan.com, www.asaanalytics.com, Manufacturing Rep: Wescor Associates, Inc.

#### Asahi/America, Inc.

Booth #435, 436

Asahi/America is a manufacturer of corrosion resistant thermoplastic fluid handling products including valves, actuators and pipe. Asahi maintains a custom fabrication department and provides consultation, supervision and training where required.

Contact: Joe Durning, 35 Green Street, Malden, MA 02148, tel: (781) 321–5409, fax: (781) 397–1788, jdurning@asahi-america.com, www. asahi-america.com

#### Assmann Corporation - Ayer Sales, Inc.

Booth #149

Polyethylene Chemical Storage tanks 20-12,000 Gallons. NSF 61 and ISO 9001 certified. Ayer Sales is a full line distributor for Assmann Corporation of America located locally in Woburn, MA.

Contact: David Ayer, 300 North Taylor Road, Garrett, IN 46738, tel: (888) 357-3181, fax: (260) 357-3738, info@assmann-usa.com, www.assmann-usa.com

#### Associated Electro-Mechanics, Inc.

Booth #444, 445

Associated Electro-Mechanics is a One-Stop industrial sales and service center, servicing all of New England. Located in Springfield, MA, the service shop is comprised of 84,000 square feet, serviced by a 35-ton overhead crane. AEM's diversities include repair and Rebuilding of Electric Motors both Ac & Dc, blowers, fans, gearboxes, pumps, hoists, centrifuges, to name only a few. Extensive inventories of motors, drives and Controls support a full range of mechanical rebuilding. Associated Electro-Mechanics is New England's authorized Gardner Denver Service and Repair Partner. AEM is Factory Mutual Certified FM & Underwriter's Laboratory certified UL. DCAM certified.

Contact: Mark DuBois, 185 Rowland St, Springfield, MA 01101, tel: (800) 288-4276, fax: (413) 788-4471, mdubois@aemservices.com, www. aemservices.com

# Atlantic Fluid Technology, Inc.

Booth #506

Manufacturer's representative specializing in engineered equipment for water and wastewater field. Product line includes process and flow equipment including sluice and slide gates; influent mechanical screens and washing presses; clarifiers; odor control systems; FRP and aluminum flat and domed tank covers; baffle systems; control valves. Now offering DeZURIK line of valves.

Contact: Simon Moseley, 354 West Boylston St, Ste 221, West Boylston, MA 01583, tel: (508) 755-6662, simon@aftinc.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

BakerCorp Booth #420

BakerCorp is an industry leader in containment, pump, filtration and shoring equipment rental solutions. BakerCorp has an extensive nationwide network, as well as international operations in Europe, Canada and Mexico.

Contact: Kelly Bailey, 102 Old Worcester Road, Oxford, MA 01540, tel: (508) 989-1520, fax: , kellyb@bakercorp.com, www.bakercorp.com

BAU/HOPKINS Booth #422

BAU/HOPKINS is a Multi-Man Manufacturer's Technical Representation serving the New England Marketplace. We specialize in Chemical Feed Products and Systems, Fluid Process Equipment along with the Instrumentation required for Measurement.

Contact: Alan Hopkins, 310 South Street, Plainville, MA 02762, tel: (508) 699-9300, fax: (508) 699-9047, ahopkins@bauhopkins.com, www. bauhopkins.com, Manufacturing Rep: BAU/HOPKINS

#### BDP Industries, Inc.

#### Booth #163-166, 173-176

BDP Industries is a leader in Sludge Dewatering and Composting Systems Equipment: • Belt Press • Gravity Belt Thickener • Screw Press • Rotary Concentrator • Compost Agitators • In Vessel Compost / Drying Systems • Equipment Restoration • Onsite service and Mobile Dewatering BDP Industries began designing and fabricating equipment over 35 years ago. You won't find a more qualified company to embark on a joint venture to solve your filtration problems.

Contact: Kelly Brown, 354 Route 29, Greenwich, NY 12834, tel: (518) 695-6851, fax: (518) 695-5417, kelly@bdpindustries.com, www. bdpindustries.com, Manufacturing Rep: David F. Sullivan and Associates

# Bilfinger Airvac Water Technologies, Inc.

Booth #177

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, 200 Tower Drive, Ste A, Oldsmar, FL 34677, tel: (813) 855-6267, fax: (813) 855-9093, jim.docherty@bilfinger.com, www. water.bilfinger.com

Biorem Booth #155

Biorem is a leading clean technology company that designs, manufactures and distributes a comprehensive line of high-efficiency air emissions control systems used to eliminate odors, volatile organic compounds (VOCs), and hazardous air pollutants (HAPs). Biorem also offers Biogas Conditioning technologies specializing in biological treatment of Hydrogen Sulfide.

Contact: Dean Parker, 7496 Wellington Rd 34, RR#3, Guelph, ON N1H 6H9, tel: (519) 767–9100, fax: (519) 767–1824, dparker@biorem.biz, www. biorem.biz, Manufacturing Rep: The Maher Corp

#### **BISCO Pump Systems**

Booth #484, 485

Bisco Pump Systems is a supplier for leading manufacturers of pumps and controls for the New England municipal, industrial and commercial markets. Our products include submersible, dry-pit and sludge pumps, pressure sewer systems, packaged water booster systems and storm water pumping to 200,000 gpm. We specialize in the tough pumping applications and repair parts for all makes of pumps.

Contact: Bob Greene, 60 Stergis Way, Dedham, MA 02026, tel: (800) 225-8006, fax: (781) 461-8654, bobq@gobisco.com, www.gobisco.com

#### **Blake Equipment**

Booth #462, 463

Blake Equipment is a full service manufacturer's representative of pumps, controls, 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, Corix, Easily Moved Equipment, 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 Windsor, CT 06068, tel: (860) 986-1072, fax: , ray,bahr@bqhusa.com, www.blakeequip.com

#### **Blue Water Technologies**

Booth #454-458, 464-467

Blue Water provides solutions from primary treatment to enhanced nutrient removal. With more than twenty years of installation history; we are a trusted and capable partner in the wastewater industry. Our booth will display the EM1 EcoMat filter.

Contact: CJ Strain, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, Wanufacturing Rep: Russell Resources, Inc.

Boerger, LLC Booth #151-158

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 Place, Chanhassen, MN 55317, tel: (612) 435-7300, fax: (612) 435-6301, pma@boerger.com, www.boerger.com, Manufacturing Rep: The Maher Corp

#### Boyson and Associates, Inc.

Booth #497-499

Brentwood Booth #210

Brentwood provides product solutions for diverse global industries, including water and wastewater treatment systems such as non-metallic sludge collectors, tube settlers, trickling filters, sediment dredge, submerged fixed-film, and stormwater management.

Contact: David Barrasse, 610 Morgantown, Reading, PA 19611, tel: (610) 374-5109, fax: (610) 376-6022, watersales@brentw.com, www.brentwoodindustries.com, Manufacturing Rep: The Maher Corp

# **Burt Process Equipment**

Booth #441

Burt Process Equipment specializes in Polymer and Chemical Feed systems for Municipal and Industrial Markets. Featured products include: Thermo Fisher, Grundfos, Finish Thompson, PolymerPlus, ChemPlus.

Contact: Kimball Putnam, 100 Overlook Drive, Hamden, CT 06514, tel: (203) 287–1985, fax: (203) 288–7354, kimballputnam@burtprocess.com, www.burtprocess.com

#### **Cabot Norit Activated Carbon**

Booth #416

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, PO Box 790, Marshall, TX 75671, tel: (800) 641–9245, fax: (903) 938–9701, howard.yerger@cabotcorp.com, www. cabotcorp.com

# Calgon Carbon UV Technologies

Booth #411-413, 473-476, 482-483, 490-491

Contact: Wayne Emery, 2000 McClaren Woods Drive, Corapolis, PA 15108, tel: (724) 218-7016, fax: (724) 695-3318, wemery@calgoncarbon-us. com, www.calgoncarbon.com, Manufacturing Rep: Wescor Associates, Inc.

#### Carl Lueders & Company

Booth #495

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, fax: (508) 358-7747, mark@luederscompany.com, www.luederscompany.com

#### Carlsen Systems

Booth #168, 169

Representing ABS, Optimum Controls, A3-USA, Danfoss, USEMCO and Sulzer

Contact: Craig Burmeister, 1127 High Ridge Rd., #294, Stamford, CT 06905, tel: (203) 663-1314, fax: (203) 663-8289, cburmeister@carlsensystems.com, www.carlsensystems.com

# Carter Pump

Booth #101,102,104

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# **Carus Corporation**

Booth #186

# Casella Organics

Booth #144

Casella Organics is an industry leader in the transportation, recycling, processing, 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, 135 Presumpscot St., Portland, ME 04103, tel: (207) 347–3600, fax: (207) 781-5794, jen.mcdonnell@casella.com, www.casellaorganics.com

Claro Global Booth #438

Claro has a number of successful installations in New England. Products: Third generation Stair Screen, Washer Compactors, Digester Equipment including Gas Recirculation systems, Heat Exchangers, Big Bubble Gun mixers, Shaftless Screw Conveyors, and complete Grit Systems.

Contact: Peter Lipert, Jr., 4717 Louis-B-Meyer, Laval, QC H2V 2K8, tel: (514) 562-4585, pjr@claroglobal.com, www.claroglobal.com.

Manufacturing Rep: New England Environmental Equipment

#### ClearStream Environmental, Inc.

Booth #151-158

ClearStream Environmental is a wastewater/water equipment manufacturer specializing in liquid/solids separation equipment. All equipment is designed utilizing the latest in cutting edge technology and 3-D modeling.

Contact: Jeff Belnap, 9547 S 500 W, Sandy, UT 84070, tel: (801) 676-1890, fax: (801) 676-1893, jeff.b@clearstreameng.com, www. clearstreameng.com, Manufacturing Rep: The Maher Corp

#### **Coyne Chemical Environmental Services**

Booth #200

We are a full line chemical distributor uniquely positioned to provide the municipal and industrial wastewater treatment industry with many treatment options including biosolids separation, odor and corrosion control, phosphorus removal, heavy metals reduction and much more. Contact: Kevin Brassard, 3015 State Road, Croydon, PA 19021, tel: (215) 785–3000, fax: (215) 785–1585, kbrassard@coynechemical.com, www. coyneenvironmental.com

# **Cretex Specialty Products**

Booth #171

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Booth #418

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CST Covers Booth #165

CST Covers, formerly Temcor/Conservatek designs, manufactures, and installs maintenance–free, aluminum covers and domes for circular and non-circular tanks. Visit us at booth #165 and online at www.cstcovers.com

Contact: Jack Staat, 498 N Loop 336 F, Conroe, TX 77301, tel: (936) 539–1747, fax: (936) 539–5355, jstaat@cstcovers.com, www.cstcovers.com, Manufacturing Rep: David F. Sullivan and Associates

CUES Booth #142

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: Paul Stenzler, 3600 Rio Vista Avenue, Orlando, FL 32805, tel: (800) 327-7791, fax: (407) 425-1569, salesinfo@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 & CoMag, Duperon fine screens, Medora Corp/SolarBee mixers as well as several solutions for low N and P limits.

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DeZURIK Booth #506

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DN Tanks Booth #487

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, fax: (781) 224–5163, chris.hodgson@dntanks.com, www. dntanks.com

# **Duall Division-METPRO Corp.**

# Booth #411-413, 473-476, 482-483, 490-491

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.

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# Duke's Root Control, Inc. (BRONZE SPONSOR)

Booth #114

Duke's Root Control Service is an effective, proven method for controlling everyday sewer line root problems. Over 2,000 municipalities have used Duke's services in more than 200 million feet of sewer pipe.

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EcoVerde/Schreiber Booth #423

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Contact: Alan Hopkins, 310 South Street, Plainville, MA 02762, tel: (508) 699-9300, fax: (508) 699-9047, ahopkins@bauhopkins.com, www. bauhopkins.com, Manufacturing Rep: BAU/HOPKINS

#### Electroswitch Corp.

Booth #B

Electroswitch is an American manufacturer of switches and relays for the power industry. We offer the the widest variety of Instrument and Control, Lock Out relays and Breaker Control Switches meeting the most demanding applications in the industry, including SCADA compatible switches and switches that provide for Arc Flash Safety.

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#### Enagua

#### Booth #454-458, 464-467

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#### **Enduro Composites**

Booth #488

Contact: Joe Getz, 16602 Central Green Blvd, Houston, TX 77032, tel: (800) 231–7271, fax: (713) 358–4100, sales@endurocomposites.com, www.endurocomposites.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

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Booth #301

One of New England's first directional drilling contractors, Enterprise Trenchless Technologies, Inc., has performed over 4,000 successful projects since opening in 1995. Based out of their 25,000-quare-foot office/warehouse complex in Lisbon Falls, Maie, ETTI takes great pride in providing industry-leading services and underground solutions while keeping a "safety-first" attitude. ETTI is a recognized leader in the design specifications for directional drilling technology, utility construction, and natural gas contracting due to its experience and focus on this specialized niche market.

# **Entex Technologies, LTD**

# Booth #411-413, 473-476, 482-483, 490-491

Contact: Jason Bowman, 4000 Silver Cedar Court, Ste 260, Chapel Hill, NC 27514, tel: (919) 619-9487, fax: (432) 225-3527, jason.bowman@entexinc.com, www.entexinc.com, Manufacturing Rep: Wescor Associates, Inc.

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Booth #401-410

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Contact: Marketing Communications Department, 2773 Balltown Rd, Niskayuna, NY 12309, tel: (518) 346-6161, fax: (518) 346-6188, eone@eone.com, www.eone.com. Manufacturing Rep: F.R. Mahony & Associates, Inc.

# **Environmental Operating Solutions, Inc.**

Booth #145

Environmental Operating Solutions, Inc. (EOSi) has been providing renewable chemicals and technical services for biological contaminant removal applications in water and wastewater treatment systems since 2003. Our agriculturally-derived and eco-friendly MicroC™ line of products (MicroC 1000™ - MicroC 4000™) address contaminants including nitrogen, phosphorus, selenium and perchlorate - providing a non-hazardous and environmentally sustainable alternative to chemicals such as methanol.

Contact: Patrick McGillen, 160 MacArthur Blvd., Ste 6, Bourne, MA 02532, tel: (508) 743-8440, fax: (508) 743-8443, pmcgillen@eosenvironmental.com. www.eosenvironmental.com

EPOXYTEC Booth #108

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Booth #205

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#### EST Associates, Inc. (GOLD SPONSOR)

Booth #494

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.

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#### F.R. Mahony & Associates, Inc.

Booth #401-410

Manufacturers' representative for water and wastewater treatment systems. Stocking distributor and service provider for E/One sewer systems. Manufacturer of the Amphidrome® Process—the next generation in nitrogen removal for small wastewater systems. Representing Aquionics, Environment One, Fiberglass Fabricators, Franklin Miller, Gardner Denver, IPM (Enpro), Kruger, Lightnin/SPX, MGD Process Technologies, Purafil, and Walker

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# Fay, Spofford & Thorndike (BRONZE SPONSOR)

Booth #451

Fay, Spofford & Thorndike, LLC (FST) is a full service, multicipline engineering firm offering planning, condition assessments, process troubleshooting, pilot study investigations, design, permitting, construction phase administration services and on-site inspection, checkout, startup and performance testing. We celebrate our 100th anniversary in 2014!

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Booth #454-458, 464-467

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# Fiberglass Fabricators, Inc.

Booth #401-410

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Contact: Traves Ogilvie, 964 Douglas Pike, Smithfield, RI 02917, tel: (401) 231-3552, fax: (401) 232-2260, togilvie@fibfab.com, www.fibfab.com. Manufacturing Rep: F.R. Mahony & Associates, Inc.

# Flottweg Separation Technology Inc

Booth #175

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#### Flow Assessment Services (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.

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#### Flowmatic Corporation

Booth #419

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FlowWorks Booth #417

FlowWorks is a web platform for gathering, managing, and understanding all forms of environmental monitoring data.

Contact: Timothy Hicks, 606 Maynard Ave S, Ste 251, Seattle, WA 98104, tel: (206) 859-6999, fax: (206) 320-9939, tim@flowworks.com, www. flowworks.com

#### Fournier Industries, Inc.

Booth #454-458, 464-467

Contact: Brett McQuade, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

# Franklin Miller, Inc.

Booth #401-410

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# Fresh Creek Technologies, Inc.

Booth #E

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### G.L. Lyons Associates

Booth #178-179

#### Gabriel Novac & Associates Ltd.

Booth #163-166, 173-176

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., Plasburgh, NY 12901, tel: (866) 746-2276, fax: (514) 336-2882, gnovac@gnacso.com, www.gnacso.com, Manufacturing Rep: David F. Sullivan and Associates

#### **GEA Westfalia Separator**

Booth #157

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# Geomembrane Technologies Inc.

Booth #150

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# Godwin Pumps, a Xylem Brand

Booth #303

Godwin Pumps maintains a fleet of portable pumps and related equipment for use in construction dewatering, mining, drinking water supply and water/wastewater bypasses. We manufacture, rent and sell all our products, including the fully automatic self-priming Godwin Dri-Prime pump and accessories for immediate rental or sale.

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#### **Grande Water Management**

Booth #505

Contact: Francis Grande, 3950 Montee Masson, Laval, QU H7B 1C4, tel: (450) 905-6580, fax: (450) 315-1355, fgrande@grandeinc.com, www. grandeinc.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

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Booth #492

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Contact: Tim Vivian, 244 Waterman Rd, Royalton, VT 05068, tel: (802) 763-7022, fax: (802) 763-7048, tim@greenmountainpipe.com, www. greenmoutainpipe.com

# **Grignard Company, LLC**

Booth #207

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Groth Booth #424

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#### **Grundfos Pumps Corporation**

Booth #163-166, 173-176

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.

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Hach Company Booth #192

Hach Company manufacturers analytical instruments and reagents used to test the water quality of water and other aqueous solutions. Our industry leading technologies in nutrient monitoring assure customers meet permit compliance and help to save energy and money. Contact: Trina Picardi, 5600 Lindburgh Drive, Loveland, CO 00539, tel: (800) 227-4224, tpicardi@hach.com, www.hach.com,

#### Hach Flow c/o BAU/HOPKINS & JWB

Booth #422-424, 430-433

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Hanna Instruments Booth #193

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Contact: Insley Haciski, 584 Park East Drive, Woonsocket, RI 02891, tel: (617) 910-8168, fax: (401) 766-4214, ihaciski@hannainst.com, www. hannainst.com/usa

# **Hawk Measurement America**

Booth #188

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#### Hayes Pump, Inc. (BRONZE SPONSOR)

Booth #470-472

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Contact: Craig Huff, 66 Old Powder Mill Rd, West Concord, MA 01886, tel: (978) 369-8800, fax: (978) 369-8461, chuff@hayespump.com, www. hayespump.com

#### **Hayward Flow Control**

Booth #442

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#### Hazen and Sawyer (GOLD SPONSOR)

Booth #468

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#### Booth #454-458, 464-467

Contact: Jim Russell, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

HOBAS Pipe USA Booth #143

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Booth #401-410

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Booth #500

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# Hydro Gate Corp.

Booth #480

Contact: Gary Boehler, 710 Broadway, 5te 400, Denver, CO 80221, tel: (800) 678-8228, fax: (303) 287-8531, gboehler@hydrogate.com, www. dydrogate.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

# **Hydromatic Pump--Pentair**

Booth #101,102,104

Contact: Derek Zeh, 740 East 9th St, Ashland, OH 44805, tel: (518) 496-9867, fax: (419) 281-4087, gmacdonald@msipump.com, www. hydromatic.com, Manufacturing Rep: Mechanical Solutions, Inc.

#### IDEXX Laboratories, Inc.

Booth #117

IDEXX is the world's preferred provider of innovative waste & drinking water microbiology test kits and is known for its breakthrough products with approvals in over 36 countries. We provide easy, rapid, accurate and cost-effective water-testing solutions. Our sales, customer service and technical support teams serve customers in over 75 countries.

Contact: Harold Baum, 1 IDEXX Dr., Westbrook, ME 04092, tel: (800) 321–0207, fax: (207) 556-4630, harold-baum@idexx.com, wwwidexx.com/water

In-Situ, Inc. Booth #212

In-Situ Inc. is a manufacturer of water monitoring instruments. For over 35 years, we have provided water monitoring markets with innovative solutions to provide accurate results and reliable operation even in harsh conditions.

Contact: 221 E Lincoln Avenue, Fort Collins, CO 80524, tel: (970) 498-1500, fax: (970) 498-1598, sales@in-situ.com, www.in-situ.com

#### Infrastructure Technologies

Booth #196

I.T. provides unparalleled inspection management software and consulting. For manhole, pipe, lateral and underground assets, the lTpipes easy-to-use interface and comprehensive reporting has comprehensive tools to manage your infrastructure.

Contact: Ross Brown, 4921 Alexander Blvd NE, Ste B, Albuquerque, NM 87107, tel: (505) 341-0109, fax: (505) 341-0133, ross@itpipes.com, www.itpipes.com

# Innovyze

Booth #443

Innovyze is a leading global provider of hydraulic modeling and wet infrastructure business analytics software solutions designed to meet the technological needs of water/wastewater utilities, government industries, and engineering organizations worldwide.

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

IPM Systems, LLC Booth #401-410

Manufacturer and Systems Integrator of dry and liquid chemical feed systems for water and wastewater treatment facilities in the municipal and industrial markets.

Contact: Tyler Morerod or Tom Holzbaur, 4225 NE Port Dr, Lee's Summit, M0 64064, tel: (610) 620-5256, fax: (816) 795-6030, tmorerod@ipm-systems.com or tholzbaur@ipm-sys.com, www.enprotech.com. Manufacturing Rep: F.R. Mahony & Associates, Inc.

ISCO Booth #447

Teledyne Isco is the industry leader for Automatic Saplers and Open Channel Flow Meters. The refrigerated samplers have integral heaters for outdoor use. The Flow Meters can handle a few gpm to pipes 30 foot in diameter. The FlowLink software is very functional, direct download to a laptop or instrument pushes data to your web account.

Contact: Robert Mack, 4700 Superior St., Lincoln, NE 68504, tel: (781) 275-1001, bob@ne3inc.com, www.isco.com. Manufacturing Rep: New England Environmental Equipment

J.F. McDermott Corp Booth #415

Distribute sewer and drain cleaning equipment including camera systems, jet and rodding machines, and accessories. Our product line includes Sewer Equipment Company of America, Envirosight, Ridgid, Cherne and GapVax.

Contact: Brian Kennedy, 1235 Auburn Street, Whitman, MA 02382, tel: (508) 580-7740, fax: (508) 580-7747, brian@jfmcdermott.com, www. ifmcdermott.com

#### J&R Sales and Service. Inc.

Booth #159

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 St., Raynham, MA 02767, tel: (508) 823-9566, fax: (508) 880-7232, info@jrsalesinc.com, www. irsalesinc.com

JCS Industries, Inc. Booth #104

Manufacturer of Liquid Vacuum Dosers for gas and liquid feed. JCS can create and improve on any system that feeds water & waste 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) 343-2100, fax: (281) 353-0657, brian@jcsindustries.us.com, www. jcsindustries.us.com, Manufacturing Rep: Mechanical Solutions, Inc.

#### **JDV Equipment Corporation**

#### Booth #411-413, 473-476, 482-483, 490-491

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: Donna Abbott, 1 Princeton Avenue, Dover, NJ 07801, tel: (973) 366-6556, fax: (973) 366-3193, donna@jdvequipment.com, www. jdvequipment.com, Manufacturing Rep: Wescor Associates, Inc.

#### Jesco-Lutz Pump Corp.

Booth #101.102.104

Contact: Phil Dann, 55 Bermar Park, Rochester, NY 14624, tel: (800) 554–2762, fax: (585) 426-4025, phil@jescoamerica.com, www. iescoamerica.com. Manufacturing Rep: Mechanical Solutions. Inc.

JWB Company Booth #430

JWB Company is a Manufacturer's representative covering the 6 New England States

JWB Company Product line focus is on Instrumentation. RACO offers a complete line of high quality, reliable remote communications systems for monitoring, alarm notification and data logging applications. Additionally, RACO offers systems with the ability to run SCADA, PLC annunciation and process control applications. JWB Company has a close working relationship with BAU/HOPKINS.

Contact: Alan Hopkins, 310 South Street, Plainville, MA 02762, tel: (508) 699-9300, fax: (508) 699-9047, ahopkins@bauhopkins.com, www. bauhopkins.com, Manufacturing Rep: BAU/HOPKINS/JWB Company

Kemira Booth #146

Kemira is a leading global provider of inorganic coagulants and organic flocculants, offering an extensive portfolio for various wastewater applications in municipal and industrial facilities.

Contact: Roger Gauthier, 316 Bartow Municipal Airport, Bartow, FL 33830, tel: (863) 533–5990; fax: (863) 533–7077, roger.gauthier@kemira.com; www.kemira.com

Kruger, Inc. Booth #401-410

Kruger supplies solutions and technologies for wastewater and drinking water treatment. Through years of extensive research and development, Kruger provides integrated solutions that optimize energy and operating costs.

Contact: Tabitha Atkinson, 4001 Weston Pkwy, Cary, NC 27513, tel: (919) 677-8310, fax: (919) 677-0082, krugerincmarketing@veoliawater.com, www.krugerusa.com, Manufacturing Rep: F.R. Mahony & Associates, Inc.

#### **Kusters Water Division**

### Booth #411-413, 473-476, 482-483, 490-491

Contact: Mike Ronn, 101 Zima Park Drive, Spatanburg, SC 29301, tel: (864) 576-0660, fax: (864) 587-5761, mronn@kusterszima.com, www. kusterswater.com, Manufacturing Rep: Wescor Associates, Inc.

# **Lakeside Equipment Corporation**

Booth #151-158

86 YEARS OF PROTECTING THE WORLD'S ENVIRONMENT — Serving New England with more than 110 RAPTOR® Screen installations, 40 Oxidation Ditch installations, 60 Spiraflo Clarifier installations, 25 Grit Removal installations, and 20 Screw Pump installations. Introducing our state-of-the art MicroStar™ Filter for tertiary treatment, and our Package Continuous Flow Sequencing Batch Reactor (CSBR).

Contact: Warren Kersten, 1022 East Devon Ave., PO Box 8448, Bartlett, IL 60103, tel: (630) 837–5640, fax: (630) 837–5647, wwk@lakeside-equipment.com, www.lakeside-equipment.com, Manufacturing Rep: The Maher Corp

#### Liberty Process Equipment

Booth #450

Liberty Process Equipment, Inc. is a supplier of progressive cavity pumps; pump packages and spare parts (rotors, stators, conn rod kits, drive shafts and all other pump internals).

Contact: Kimball Putnam, 100 Overlook Drive, Hamden, CT 06514, tel: (203) 297-1985, fax: (203) 288-7354, kimballputnam@burtprocess.com, www.burtprocess.com

# Lightnin/SPX

Booth #401-410

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# LMK Technologies

Booth #182

LMK Technologies is recognized by municipalities and consulting engineers as a high quality innovator of trenchless renewal systems for sewer laterals, mainlines and manholes.

Contact: David Archard, 1779 Chessie Lane, Ottawa, IL 61350, tel: (815) 433-1275, fax: (815) 433-0107, darchard@lmktechnologies.com, www. Imktechnologies.com

#### M.S. Selmon Company

**Booth #187** 

#### Maryland Biochemical Co., Inc.

Booth #185

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#### MaxWest Environmental Systems, Inc.

Booth #217

MaxWest Environmental Systems is a leader in onsite biosolids disposal solutions, offering a safe, cost-effective and environmentally friendly superior biosolids management technology and process.

Contact: Kathy DonLevy, 114 W. 1st Street, Suite 220, Sanford, FL 32771, tel: (407) 328-4992, fax: (407) 320-9995, kdonlevy@maxwestenergy.com, www.maxwestenergy.com

# Mechanical Solutions, Inc.

Booth #101, 102

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.

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#### Methuen Construction Co., Inc. /Summit Metal Fabricators

Booth #437

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# MGD Process Technologies, Inc.

Booth #401-410

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, fax: (419) 831-2927, matt.dickson@mdgprocess.com, www. mgdprocess.com. Manufacturing Rep: F.R. Mahony & Associates, Inc.

MJK Booth #454-458, 464-467

MJK manufacturers a wide range of high quality ruggedly designed level, flow and analytical instruments and controls for wastewater collection systems and water and wastewater treatment plants. This includes ultrasonic level transmitters, hydrostatic level transmitters, pump controls, pH, ORP, temperature, suspended solids, and turbidity.

Contact: Jim Russell, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

Molycorp, Inc. Booth #194

SorbX\*-100 is an environmentally friendly salt solution developed specifically for wastewater facilities to achieve low phosphorus discharge levels less than 1.0 mg/L-P. SorbX\*-100 offers superior performance and outstanding customer benefits that enhance facility operations. Contact: Pam Cornish, 5619 DTC Parkway, Ste 1000, Greenwood Village, CO 80111, tel: (303) 843-8040, fax: (303) 843-8083, pam.cornish@molycorp.com, www.sorbx100.com

Moyno Booth #440

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# National Filter Media/Filter Belts

Booth #126

In 100 years of business, National Filter Media has become one of the largest filter media companies in the world. Our Filter Belts Division located in Central Maine, has been custom manufacturing belts, parts and providing service for over quarter of a century. We carry replacement parts for all makes and models of Belt Filter Presses, GBT's and drum screens.

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# National Water Main Cleaning Co.

Booth #107

## **Neptune Chemical Pump Company**

Booth #454-458, 464-467

Manufacturer of metering pumps, polymer makedown systems, packaged feed systems.

Contact: Ken Underwood, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

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Contact: Alan Hopkins, 310 South Street, Plainville, MA 02762, tel: (508) 699-9300, fax: (508) 699-9047, ahopkins@bauhopkins.com, www. bauhopkins.com, Manufacturing Rep: BAU/HOPKINS

# **New England Environmental Equipment**

Booth #438-440, 446-448

Representing the most recognizable names in the industry: Penn Valley Pump, Teledyne Isco Samplers and Flow Meters, YSI Continuous Process Monitoring, Tideflex Technologies, Red Valve, Monoflo Grinders and PC Pumps, Claro Screening/Grit/Digester Systes, Tech 3 Congeneration ICEs, Unison Solutions Gas Conditioning, Tracom Fiberglass Buildings and Flumes.

Contact: Robert Mack, 1 DeAngelo Dr., Bedford, MA 01730, tel: (781) 275-1001, bob@ne3inc.com, www.ne3inc.com

#### New England Pipe Cleaning Company Division Heitkamp, Inc.

Booth #172

A full-service pipeline contractor specializing in the trenchless investigation and rehabilitation of sanitary and storm water systems. Contact: Michael Poplawski, 99 Callender Road, Watertwon, CT 06795, tel: (860) 274-5469, fax: (860) 945-3219, mpoplawski@eheitkamp.com, www.eheitkamp.com

Newalta Booth #C

Newalta provides cost effective solutions to our customers by focusing on the needs to improve the environmental performance at our customers site through our advanced technolgy and variety of services. Newalta's onsite services expertise is supported by high capacity dredges, centrifuges, water treatment, and filtration equipment.

Contact: Michele Montpetit, 340 Avenue du Marechal, Pintendre, QC G6C 1T8, tel: (418) 837–1444, fax: (418) 837–7723, mmontpetit@newalta.com, www.newalta.com

NRP Group, Inc. Booth #197

NRP Group's liquid Bioactivator products are chemical-free concentrates that stimulate biological activity to prevent odors, corrosion and foaming, and reduce fats, oils, grease and total sludge volume.

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Oakson, Inc. Booth #486

Oakson, the exclusive distributor of Perc-Rite Drip Dispersal Systems across New England, has more than 250 installations in 95 towns for residential, municipal and commercial applications. Every Oakson Perc-Rite project includes technical support from design through installation. Contact: Dan Ottenheimer, 6 Sargent St, Gloucester, MA 01930, tel: (978) 282–1322, fax: (978) 282–1318, dano@oaksoninc.com, www. oaksoninc.com

#### ocv

# Booth #454-458, 464-467

OCV Control Valves are hydraulically operated, diaphragm actuated globe or angle valves that operate automatically from either line pressure or an independent power source. Internal moving parts are minimal and all valves can be adjusted and services without removal from the line. Contact: Tom Brock, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources. Inc.

#### Patterson Pump Co.

#### Booth #101,102,104

Pump manufacturer of dry pit sewage, horizontal split case, end suction and vertical inline styles. Great quality and high efficiencies for real long life. Contact: Rose Ann DiGiovanni, 2129 Ayersville Rd, Toccoa, GA 30577, tel: (706) 886-2101, fax: (706) 886-0023, gmacdonald@msipump.com, www.pattersonpumps.com, Manufacturing Rep: Mechanical Solutions, Inc.

Pavers by Ideal Booth #170

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# Peabody Engineering/Pusafeeder, Inc.

Booth #449

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Contact: Kimball Putnam, 100 Overlook Drive, Hamden, CT 06514, tel: (203) 287–1985, fax: (203) 288–7354, kimballputnam@burtprocess.com, www.burtprocess.com, Manufacturing Rep: Burt Process Equipment

# Penn Valley Pump Booth #446

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#### Perma-Liner™ Industries, LLC

Booth #214

Perma-Liner™ Industries, LLC. was established in 1998 to provide plumbers, contractors and municipalities Cured-In-Place-Pipe (CIPP) systems in North America aimed specifically at the municipal/residential/commercial market and supported by a range of updated and newly developed "trenchless" repairing techniques. Visit us at www.perma-liner.com to see the latest CIPP developments.

Contact: Morgan Trouard, 13000 Automobile Blvd, Ste 300, Clearwater, FL 33762, tel: (727) 507-9749, fax: (727) 507-9849, morgan@permaliner.com, www.perma-liner.com

# Philadelphia Mixing Solutions

Booth #432

Mixers: Surface and submerged aerators, high shear low flow flocculators, vertical turbine rapid mixers, sludge blending mixers, halo complete treatment plant.

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#### Pieralisi

Booth #454-458, 464-467

Contact: Aditya Mehrotra, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

Pollardwater.com Booth #493

Pollardwater.com, family-owned and operated since 1837, offers thousands of products in its #173 catalog that address dechlorination, flow testing, lab testing, leak detection, line locating, safety, sewer rehabilitation, stormwater and utility tool needs. Order online anytime at Pollardwater.com.

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#### POND Technical Sales, Inc.

Booth #198

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, S::CAN, DYNASONICS, and EMERSON.

Contact: Bob Osnoe, 106 Sebethe Drive, Cromwell, CT 06416, tel: (860) 316-2570, fax: (860) 760-6804, rosnoe@pondtechnicalsales.com, www. pondtechnicalsales.com

# **Precision Sytems**

#### Booth #454-458, 464-467

Precision Systems is a manufacturer of packaged equipment for the water and wastewater industry, fully assembled and tested prior to shipment. Our Power-Pac's, Twin-Pac's and Hydro-Pac's are available in economical above grade Tip-Up design, full indoor maintenance Walk-In design, and an aesthetically pleasing Partial-Bury design, Field installation time and problems are virtually eliminated.

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# **Process Wastewater Technologies**

#### Booth #454-458, 464-467

PWTech offers the largest variety of sanitary wet weather screening products on the market, covering the range from coarse screening with stationary screening, to mechanically cleaned screens, and the fine screening of SanSep using continuous deflective screening that gives high efficiency primary treatment. PWTech also has a variety of wastewater biological treatment products and sludge dewatering with the Volute Screw Press.

Contact: Jim Hiest, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

# Prominent Fluid Controls, Inc.

# Booth #411-413, 473-476, 482-483, 490-491

Manufacturer of chemical metering pumps and skid mounted pump packages. Liquid and dry polymer feed systems; analyzers and controllers for chemical disinfection; peristaltic hose pumps. Sales and service through Wescor.

Contact: Tom Miller, 136 Industry Drive, Pittsburgh, PA 15275, tel: (412) 788-7905, fax: (412) 787-0704, tomm@prominent.us.com, www. prominent.us.com, Manufacturing Rep: Wescor Associates, Inc.

#### **PULSCO**

#### Booth #454-458, 464-467

Since 1992, PULSCO Hydro pneumatic Surge and Pressure Control Systems have been widely recognized by engineers, contractors, and system users as the most dependable, predictable, safest and cost-efficient available today.

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# Pump Systems, Inc.

Booth #181

Manufacturers representative for EBARA wastewater and water pumps, USEMCO wastewater stations, water boosters, valve vaults and controls. Office in central New Hampshire to cover all of the northern New England and Massachusetts.

Contact: John Benham, PO Box 269, Franklin, NH 03235, tel: (603) 934-7100, fax: (603) 934-0317, jbenham@pumpsystemsinc.com, www.pumpsystemsinc.com

Purafil Booth #401-410

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, fax: (770) 263-6922, dapking@purafil.com, www.purafil.com. Manufacturing Rep: F.R. Mahony & Associates, Inc.

#### **QCEC Wastewater Samplers**

Booth #454-458, 464-467

Automatic portable & refrigerated sampling devises. At the heart of every QCEC wastewater sampler is vacuum technology that delivers accurate samples every time...for a long time. NO PERISTALTIC PUMP TO MAINTAIN.

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#### R.H. White Construction (GOLD SPONSOR)

Booth #105

Rain for Rent Booth #109

Rain for Rent is a leading proider of temporary liquid handling solutions including pumps, tanks filtration and spill containment. Projects range from flood relief to construction site dewatering, sewer bypasses, and industrial plant turnarounds.

Contact: Nick Gamache, 9 Pioneer Drive, North Oxford, MA 01537, tel: (508) 987-0042, qpray@rainforrent.com, www.rainforrent.com

#### Resource Management, Inc.

Booth #199

Contact: Jessica Bunker, 1171 NH RT 175, Holderness, NH 03245, tel: (603) 536-8900, fax: (603) 536-8998, jessica.bunker@rmirecycles.com, www.rmirecycles.com

Ritec Environmental Booth #139

Ritec Environmental is a major New England supplier of chemical feed and polymer systems, process automation, wireless networks and water quality analyzers. Representing Siemens, ATI, GE, UGSI, Wallace & Tiernan Chemfeed, Force Flow and Metso TS.

Contact: Peter Williams, PO Box 514, 29 Lincoln St, East Boothbay, ME 04544, tel: (207) 633-3111, fax: (207) 633-7694, pete.williams@myfairpoint.net, Manufacturing Rep: David F. Sullivan and Associates

#### Robuschi USA

#### Booth #411-413, 473-476, 482-483, 490-491

Robuschi USA is an international leader in the manufacturing of Lobe Blowers, Low Pressure Screw Blowers, Vacuum Pumps, and Centrifugal Pumps. The innovative ROBOX PD & SCREW Blowers offer top quality and highly efficient products.

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#### **Rockwell Automation**

Booth #206

Ross Valve

Booth #488

Ross Valve has been designing and manufacturing control valves since 1879! Piston type Pressure Reducing, Altitude, Flow Control, Pump Control, and Relief Valves. Ross has hundreds of valves in water and wastewater systems throughout New England.

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#### Rotork Controls, Inc.

Booth #304

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Contact: Tapan Mody, 22 Pinewood Rd., Hudson, NH 03051, tel: (603) 781-8904; fax (585) 247-2308, tapan.mody@rotork.com; www.rotork.com, Manufacturing Rep: The Wise Company

#### Russell Resources, Inc.

# Booth #454-458, 464-467

Manufacturer representatives for treatment, pumping, measuring and analytical equipment for water and wastewater community, municipal, and industrial.

Contact: Jim Russell, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com

#### Sanitaire - A Xylem Brand

Booth #151-158

Sanitaire, A Xylem Brand, offers ceramic and membrane fine bubble aeration, SBR advanced biological treatment systems, BioLoop oxidation ditches, OSCAR plant-wide control systems and tertiary DrumFilters. Xylem is a global water leader in all stages of the water cycle, including transport, treatment, testing and analysis.

Contact: David Leidel, 71 Elm St, Worcester, MA 01609, tel: (508) 742-0998, fax: (508) 754-7377, dave.leidel@xyleminc.com, www.sanitaire. com/us, Manufacturing Rep: The Maher Corp

#### Scherbon Consolidated Inc.

Booth #161

Your complete source for all waste water pump station needs. Design/construction, retrofit and modification, emergency and preventative maintenance. Experts in emergency power generation, industrial, commercial and municipal.

Contact: John Van Deusen, 40 Haverhill Road, Amesbury, MA 01913, tel: (978) 388-3132, fax: (978) 388-0485, john@scherbon.com, www. scherbon.com

Schreiber Booth #433

Process Equipment: Fuzzy Filters, Grit Removal Equipment, Clarifiers, and Continuously Sequencing Reactor.

Contact: Alan Hopkins, 310 South Street, Plainville, MA 02762, tel: (508) 699-9300, fax: (508) 699-9047, ahopkins@bauhopkins.com, www. bauhopkins.com, Manufacturing Rep: BAU/HOPKINS

# **Schulz Group of Companies**

Booth #140

The Schulz Group provides electric motor repair, custom controls and panels, systems integration, pump services, energy efficiency solutions and diagnostic services for industrial applications including fresh and wastewater facilities.

Contact: Tina Romandetti, 30 Gando Dr., New Haven, CT 06513, tel: (203) 562-5811, fax: (203) 562-5986, tina@schulzelectric.com, www. schulzelectric.com

SDE, Inc. Booth #459

Stacey DePasquale Engineering, Inc. has provided wastewater & storm water related services to numerous private and public clients since 1999. Contact: Stacey DePasquale, 354 Merrimack Street, Ste 200, Lawrence, MA 01843, tel: (978) 975–0500, fax: (978) 975–0550, sdepasquale@sde-inc.com, www.sde-inc.com

#### Seacoast Supply Inc

Booth #137

Seacoast supply, established in 1996 distributes: royal purple synthetic lubricants, AES mechanical seals, teadit gaskets, hose master hoses, 3M epoxy, perma cal gauges, fluid defense systems.

Contact: Greg Campo, 19 Kendrick St, Wrentham, MA 02093, tel: (508) 384-0622, fax: (508) 384-5222, gcampo@seacoastsupplyinc.com, www. seacoastsupplyinc.com

#### Sealing Systems, Inc.

Booth #189

Sealing Systems, Inc. is a national manufacturer of quality products to prevent inflow and infiltration. We manufacture manhole chimney seals, joint seals, grout, inflow dishes, and Flex-Seal urethane chimney sealant.

Contact: Michelle Harrod, 6301 N. Oak Park Avenue (Red Arrow Sales Group address), Chicago, IL 60631, tel: (866) 837-8003, fax: (866) 526-6559, michelleh@redarrowsales.com, www.ssisealingsystems.com, Manufacturing Rep: Red Arrow Sales Group

Sentrol, Inc. Booth #190

Sentrol, Inc., is a manufacturer's rep and distributor specializing in sensing and control instrumentation. We feature Flow Technology, Inc. magnetic, ultrasonic, PD and turbine flowmeters, Sierra Monitor Corp LEL gas detectors, Ashcroft pressure gauges and thermometers, as well as Jordan Valve control valves and pressure regulators.

Contact: Tim Crowley, 208 S. Meadow Rd., Plymouth, MA 02360, tel: (508) 830-0458, fax: (508) 830-0248, tcrowley@nesentrol.com, www. nesentrol.com

Seprotech Booth #480

Seprotech designs, builds and delivers the most efficient Wastewater Treatment Solutions in the world. We have established a superior reputation for design, engineering, and manufacturing excellence for Wastewater Treatment Plants & Rotating Biological Contactor (RBC) Systems.

Contact: Gary Black, 2378 Holly Lane, Ottawa, ON K1V 7P1, tel: (613) 731–0851, fax: (613) 731–0851, gblack@seprotech.com, www.seprotech.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

#### Shea Concrete Products

Booth #148

Manufacturer of precast concrete products including Underground Stormwater Chambers, Septic Tanks, Pump Stations, Precast Buildings, Retaining Walls, etc. Our focus is on quality, service, and customer-centered values.

Contact: Gregory Stratis, 773 Salem Street, PO Box 520, Wilimington, MA 01887, tel: (978) 658-2645, fax: (978) 658-0541, gregs@sheaconcrete.com, www.sheaconcrete.com

#### Siemens Water Technologies LLC/Evoqua Water Technologies Booth #163-166, 173-176

Siemens Water Technologies LLC, soon to be Evoqua Water Technologies, will continue to provide our valued Water and Wastewater customers with the brands they know (Envirex, Wallace & Tiernan, Memcor, JetTech, Davis/Davco, RJ Environmental, Westates Carbon, Sernagiotto, JWI, Lyco, Rex, Link Belt, CPC Internalift, Cambridge Water Technologies, etc.) and the performance they trust.

Contact: Rob Biase, 181 Thorn Hill Rd, Warrendale, PA 16066, tel: (724) 312-3336, fax: (724) 772-1300, robert.biase@siemens.com, www.water. siemens.com, Manufacturing Rep: David F. Sullivan and Associates

# **Smith and Loveless**

Booth #454-458, 464-467

Smith & Loveless' energy–efficient water and wastewater treatment and pumping systems deliver performance with unrivaled life cycle cost savings. With tens of thousands of installations in more than 70 countries on all seven continents—including hundreds throughout New England, we're pleased to help make the world a better environment for all.

Contact: Alex Tabb, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

# SNF Polydyne Booth #127

SNF/Polydyne is the market leader in supplying functional polymers, and other chemistries, to assist Municipal Water and Wastewater Treatment plants improve their operating cost-efficiencies in critical liquid-solid separation processes.

Contact: Alex Krantz, 1 Chemical Plant Road, Riceboro, GA 31323, tel: (912) 884-3366, fax: (912) 880-2078, akrantz@polydyneinc.com, www. polydyneinc.com

# Sorensen Systems Booth #

Sorensen Systems designs, builds and installs energy recovery systems (micro hydro) and has 50 years experience with water and waste water applications in New England and nationally.

Contact: John Ford, 70 Bearfoot Rd, Northborough, MA 01532, tel: (508) 393-7660, fax: (508) 393-8203, jford@sorensensystems.com, www. sorensensystems.com

#### Spencer Booth #433

This year Spencer is featuring their new AyrJet. High Efficiency and High Speed Blower produced right here in New England.

Contact: Alan Hopkins, 310 South Street, Plainville, MA 02762, tel: (508) 699–9300, fax: (508) 699-9047, ahopkins@bauhopkins.com, www. bauhopkins.com, Manufacturing Rep: BAU/HOPKINS

#### Sprayroq, Inc. Booth #180

Sprayroq manufacturers spray-applied polyurethane lining systems for water and wastewater system rehabilitation. The core product, SprayWall, offers superior corrosion and infiltration control as well as structural integrity. Sprayshield Green is the first renewable source polyurethane specifically designed for the wastewater market.

Contact: Chris Pio, 248 Cahaba Valley Pkwy, Pelham, AL 35124, tel: (205) 957-0020, fax: (205) 957-0021, cpio@sprayroq.com, www.sprayroq.com

#### Statewide Aquastore, Inc.

Booth #425

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, ethanol production, 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, fax: (315) 433-5083, hhagan@besttank.com, www. besttank.com

#### StormTrap Booth #215

StormTrap is committed to providing cost-effective stormwater management solutions to engineers, owners and municipalities that are customized to each site's needs. Whether you are concerned about detention, infiltration, water quality or water harvesting, StormTrap has a design to meet your specific needs.

Contact: Stefanie Feiss, 2495 W. Bungalow Rd., Morris, IL 60450, Tel: (877) 867-6872, sqeiss@stormtrap.com, www.stormtrap.com

# SWAN Analytical USA

# Booth # Booth #454-458, 464-467

Swan Analytical USA supplies continuous monitoring analyzers for raw and potable water. Measurements include conductivity, pH/ORP, phosphate, nitrate, ammonium, chlorine, bromine, fluoride and turbidity.

Contact: Todd Carpenter, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax (207) 433-1080, www.r-r-inc.com. Manufacturing Rep: Russell Resources, Inc.

# Sydex USA, LLC

#### Booth #454-458, 464-467

Sydex is a manufacturer of a complete line of progressing cavity pumps for Municipal and Industrial applications. Sizes range from ¼ gph to 1,200 gpm and pressures up to 720 psi.

Contact: Jim Russell, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

# 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: James Myers, 680 Main Street, Ste 303, Watertown, CT 06795-2655, tel: (860) 274-1710, fax: (860) 274-1090, jmyers@synagro.com, www.synagro.com

# Technology Sales Associates, Inc.

#### Booth #426-429; 501-504

Technology Sales Associates represents the leading manufacturers of water and waste water equipment throughout New England. We specialize in bringing new technologies to municipal and industrial projects. Our engineering knowledge and product experience make us a resource for creative, cost-saving solutions.

Contact: Marina Giovannini, 44 Central Street, Unit 5, Berlin, MA 01503, tel: (978) 838-9998, fax: (978) 838-9897, mgiovannini@techsalesne. com, www.techsalesne.com

#### Ted Berry Company, Inc.

#### Booth #216

Ted Berry Company, Inc provides cleaning, inspection, maintenance and rehabilitation services of underground utilities. Serving New England and Islands. since 1972.

Contact: Matt Timberlake, 521 Federal Rd., Livermore, ME 04253, tel: (207) 897-3348, fax: (207) 897-3627, office@tedberrycompany.com, www.tedberrycompany.com

#### The MAHER Corporation (GOLD SPONSOR)

#### Booth #151-158

Please visit the following companies in booths 151–158: Lakeside Equipment, ElM, Singer Valve, Proco, Waco, Trojan Technologies, Roots, Sanitaire, Biorem, Watson Marlow, Boerger, Charter Machine, ClearStream, Westfalia, ECS and ThermaFlite.

Contact: Peter Kibble, 192 Pleasant St, Rockland, MA 02370, tel: (781) 421–2600, fax: (781) 878–1219, pkibble@themahercorp.com, www. themahercorp.com

#### Therma-Flite, Inc. Booth #151-158

Sludge Dryer: BIO-SCRU produces Class A Biosolids and is manufactured to ASME code. Operation is continuous, automated, simple, designed to resist corrosion, has a small physical and emission footprint.

Contact: Alexander Kraemer, 849 Jackson St, Benicia, CA 94510, tel: (707) 747–5949, info@therma-flite.com, www.therma-flite.com, Manufacturing Rep: The Maher Corp

#### Therma-Stor/Quest Booth #138

Therma-Stor/Quest manufactures high efficiency dehumidification equipment designed for high performance at lower temperatures. Low equipment, installation and operational costs to lower WTP/WWTP maintenance costs.

Contact: Mike Carr, 4201 Lien Road, Madison, WI 53704, tel: (800) 533-7533, x8485, fax: (608) 222-1447, mcarr@questprotect.com, www. questprotect.com

#### **Thermal Process System**

#### Booth #454-458, 464-467

Contact: Kevin Staton, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

# Trelleborg Pipe Seals Milford Inc.

Booth #D

Trelleborg Pipe Seals are a market leader in the manufacture and supply of specialist equipment and materials for pipeline rehabilitation — pipe plugs, mechanical seals, CIPP sectional, mainline and lateral lining.

Contact: Simon Burke, 250 Elm St, Milford, NH 03055, tel: (800) 626-2180, fax: (603) 673-7271, simon.burke@trelleborg.com, www.trelleborg.com/npc; www.trelleborg.com/epros

#### **Triplepoint Water Technologies**

Booth #454-458, 464-467

MARS aeration system, highly efficient, cost effective, simple to install. Lagoon aeration design.

Contact: Patrick Hill, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

TrojanUV Booth #151-158

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: 3020 Gore Rd, London, ON N5V 4T7, tel: (519) 457–3400, fax: (519) 457–3030, info@trojanuv.com, www.trojanuv.com, Manufacturing Rep: The Maher Corp

#### **Troup Environmental Alternatives**

Booth #197

Troup Environmental Alternatives represents manufacturers of chemical-free technologies for odor elimination, corrosion control, indoor air quality improvement, photocatalytic Advanced Oxidation (AOP+), carbide membrane ultrafiltration and automatic disk filtration.

Contact: Kent Troup, 79 West 12th St, Ste 15D, New York, NY 10011, tel: (212) 627-8939, fax: (212) 989-7031, ktroup@troupenviro.com

Trumbull Industries Booth #184

Waterworks manufacturing, products for the water and wastewater industry, tools, valves and accessories, valve position indicators, miter gears, polymer manhole and water meter lids and products for corrosive soils.

Contact: Vic Dasbach, 1040 N Meridian Rd; PO Box 1556, Youngstown, OH 44501, tel: (330) 307-1217, fax: (330) 270-3088, vdasbach@trumbull.com, www.trumbull-mfq.com

Unison Solutions Booth #439

Unison Solutions has builts complete BioGas Conditioning System since 2000. Systems have been installed with Co-Gen units around the world at landfills, WWTP, Dairies and Food Processing Plants. BioCNG is used to fuel CNG Vehicles.

Contact: Eric Wilgenbusch, 5451 Chavenelle Rd., Dubuque, IA 52002, tel: (563) 585-0967, eric.wilgenbusch@unisonsolutions.com, www. unisonsolutions.com. Manufacturing Rep: New England Environmental Equipment

#### United Blower, Inc.

Booth #454-458, 464-467

United Blower manufacturers high quality blower systems and controls; made in the U.S.A. Customers can select from: P.D. Blowers, high speed turbos, regenerative blowers, rotary vane compressors, sound enclosures.

Contact: Vic Miolee, PO Box 3276, Brewer, ME 04412, tel: (207) 989-0591, fax: (207) 433-1080, jrussell@r-r-inc.com, www.r-r-inc.com, Manufacturing Rep: Russell Resources, Inc.

#### **United Concrete Products**

Booth #183

Contact: Dave Topa, 173 Church St, Yalesville, CT 06492, tel: (203) 269-3119, fax: (203) 265-4941, dtopa@unitedconcrete.com, www. unitedconcrete.com

USABlueBook Booth #209

USABlueBook — Everything for water and wastewater operations; 27,000 items in stock; 95% of orders ship same day. Request your FREE catalog (800) 548-1234 or www.usabluebook.com

Contact: PO Box 9004, Gurnee, IL 60031, tel: (800) 548-1234, fax: (847) 689-3030, customerservice@usabluebook.com, www.usabluebook.com

Utility Cloud Booth #A

Utility Cloud provides real-time data collaboration using secure cloud based infrastructure accessible from any device. Manage inspections, FOG, and regulatory reporting as part of a comprehensive workflow and asset management strategy.

Contact: Ed Melanson, 11 Robert Toner Blvd, Ste 5-279, North Attleboro, MA 02763, tel: (252) 508-0308, ed.melanson@myaesc.com, www. myaesc.com

Vari-Tech, LLC Booth #302

An engineering oriented Distribution Company specializing in HDPE pipe, fittings, and fabrications, FRP duct and structural products, PPR interior piping, and underground infiltration systems for stormwater, water, wastewater, and chemical applications. We work from conceptual design through installation & start up.

Contact: Deb Colbert, 58 Main St, Topsfield, MA 01983, tel: (978) 887-0272, fax: (978) 887-8121, dcolbert@varitech.com, www.varitech.com

Victaulic Booth #195

The world leader in mechanical pipe joining systems, a mechanical bolted coupling that would engage into pipe grooves and use a gasket seal. The grooved pipe joining method, which dramatically reduces the amount of installation time as compared to welding, threading or flanging, is now used extensively in a variety of piping applications.

Contact: Jeff Wells, 145 Plymouth St, Mansfield, MA 02048, tel: (617) 549-4136, jwells@victaulic.com, www.victaulic.com

Viking Chain Booth #496

Contact: Paul VanDemark, 7392 Progress Place, Delta, BC V4G 1A1, tel: (800) 324–1244, fax: (604) 952–4053, info@vikingchains.com, www. vikingchains.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

Vulcan Industries Booth #505

Contact: Norm Jackman, 212 S Kirlin St, Missouri Valley, IA 51555, tel: (712) 642-2755, fax: (712) 642-4256, norm@vulcanindustries.com, www.vulcanindustries.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

#### Walker Process Equipment—Division of McNish

Booth #401-410

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: Jeffrey Thomas, 840 N. Russell Ave, Aurora, IL 60506, tel: (630) 892-7921, fax: (630) 892-7951, jthomas@walkerprocess.com, www. walker-process.com. Manufacturing Rep: F.R. Mahony & Associates, Inc.

# Walker Wellington, LLC

Booth #477-479

Representing Vaughan Chopper Pumps, Rotamix, Huber Technology, Andritz separation, Velodyne Polymer Systems, ABS – Sulzer, Verder and Neuros.

Contact: Henry Russell, 155 Fleet St., Portsmouth, NH 03802, tel: (603) 433-7497, henry@walkerwellington.com

#### Wastecorp Pumps, LLC

# Booth #411-413, 473-476, 482-483, 490-491

Contact: Marc Johnson, 2391 Baseline Road, PO Box 70, Grand Island, NY 14072, tel: (888) 829-2783, fax: (888) 883-3320, mjohnson@ wastecorp.com, www.wastecorp.com, Manufacturing Rep: Wescor Associates, Inc.

#### Water and Waste Equipment, Inc.

Booth #201

Water & Waste Equipment is an authorized regional distributor for major product lines, we provide the convenience of a single source supplier with competitive pricing. Along with our sister company Williamson New England Electric Motor Service Corp we provide hands-on, around the clock emergency and scheduled repairs of water, wastewaste, and stormwater collection and distribution systems, pumping stations, and treatment facilities.

Contact: Rebecca Lee Tilton, 25 Griffin Way, Chelsea, MA 02150, tel: (617) 884-9200, fax: (617) 884-3144, rebeccat@weco-group.com, www. weco-group.com

#### Watson Marlow, Inc.

Booth #151-158

World leader in peristaltic pumping technology for water and wastewater applications. New, innovative designs in both tubing and hose pumps will be on display.

Contact: Melissa O'Keefe, 37 Upton Technology Park, Wilmington, MA 01887, tel: (800) 282-8823, fax: (978) 658-0041, , www.watson-marlow.com, Manufacturing Rep: The Maher Corp

#### WEBB Kentrol SEVCO

Booth #204

Kentrol/Sevco, the process control division of FW Webb, provides flow, level, pressure, temperature, liquid analysis instrumentation and field service to water and wastewater facilities across New England and New York.

Contact: John Downey, 37 Heywood Road, Winslow, ME 04901, tel: (800) 452-1928, fax: (207) 873-2945, john.downey@fwwebb.com, www. kentrol.com, Manufacturing Rep: Endress+Hauser

# WeCare Organics, LLC

Booth #434

WeCare Organics LLC specializes in the beneficial reuse of recyclable organic residuals including project development, processing/composting operations and final product marketing. Digester cleanouts, temporary dewatering, and hydraulic dredging provide customers with total turnkey solutions.

Contact: Drew O'Hara, 247 Northampton St, Ste 26, Eastampton, MA 01027, tel: (413) 247-9656, fax: (413) 247-9657, arahod@aol.com, wecareoganics.com

#### Weir Specialty Pumps (WEMCO)

#### Booth #411-413, 473-476, 482-483, 490-491

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, 5140 Main Street, Williamsville, NY 14221, tel: (716) 635–1110, fax: (801) 530–7531, mhoward@weirsp.com, www. weirsp.com, Manufacturing Rep: Wescor Associates, Inc.

#### Wescor Associates, Inc.

### Booth #411-413, 473-476, 482-483, 490-491

Manufacturers' 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: Bill Montanaro, Jr., PO Box 370, 686 South Street, Wrentham, MA 02093, tel: (508) 384-8921, fax: (508) 384-8953, billjr@wescor1.net, www.wescorassociatesinc.com

#### WesTech Engineering

#### Booth #163-166, 173-176

WesTech, which now includes the Microfloc and General Filter brands, engineers and manufactures process equipment and working solutions for water & wastewater applications. Call us for the best value and solutions to your process needs.

Contact: Gary Garzonetti, 3665 South West Temple, Salt Lake City, UT 84115, tel: (801) 265–1000, fax: (801) 265–1080, qgarzonetti@westech-

inc.com, www.westech-inc.com, Manufacturing Rep: David F. Sullivan and Associates

Whipps, Inc.

Booth #496

Whipps, Inc., designs and fabricates stainless steel and aluminum slide gates, weir gates, stop gates, and flap gates. Whipps gates are install throughout New England and the world.

Contact: Ron Niedzwiecki, 370 South Athol Rd, PO Box 1058, Athol, MA 01331, tel: (978) 249-7924, fax: (978) 249-3072, ran@whipps.com, www.whipps.com, Manufacturing Rep: Atlantic Fluid Technology, Inc.

# Whitewater, Inc. Booth #106

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

Contact: Stephen Donovan, 253B Worcester Rd., Chalton, MA 01507, tel: (888) 377-7678, fax: (508) 248-2895, sdonovan@rhwhite.com, www. whitewateronline.com

#### **WILO-EMU Mixers & Pumps**

#### Booth #101,102,104

After market coverage by representative, Mechanical Solutions, Inc., for submersible and dry pit sewage pups 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, fax: (866) 293-4348, harold.adams@ilo-usa.com, www.wilo-usa.com. Manufacturing Rep: Mechanical Solutions. Inc.

# **WILO-EMU Mixers & Pumps**

# Booth #411-413, 473-476, 482-483, 490-491

Manufacturer of submersible mixers for denitfification processes in wastewater and submersible pumps and dry pit submersible pumps of high (German Engineering) quality providing extended warranties and competitive pricing.

Contact: Ricky Flores, 86 Genesis Parkway, Thomasville, GA 31792, tel: (229) 200-1145, fax: (866) 945-6872, ricky.flores@wilo-usa.com, www. wilo-usa.com, Manufacturing Rep: Wescor Associates, Inc.

Winters Instruments Booth #208

Winters Instruments is a manufacturer of quality pressure and temperature instrumentation, with distribution in over 80 countries. Visit www. winters.com to view our extensive list of products and distributors.

Contact: Paul D'Agostino, 121 Railside Rd, Toronto, ON M3A 1B2, tel: (800) WINTERS, fax: (416) 444-8979, usasales@winters.com, www.winters.com

#### Woodard & Curran (SILVER SPONSOR)

#### Booth #162

Woodard & Curran is a 700-person, integrated engineering, science and operations company. Privately held and steadily growing, we serve public and private clients locally and nationwide.

Contact: Leroy Kendricks, 980 Washington Street, Ste 325N, Dedham, MA 02026, tel: (800) 675-2756, lkendricks@woodardcurran.com, www. woodardcurran.com

#### Xylem, Inc. - FLYGT Products

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 Ave., Woburn, MA 01801, tel: (781) 935-6515, fax: (781) 938-0364, brendan.kennedy@xyleminc.com, www.xyleminc.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

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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 #103-219

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 #401-505

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 and salons are Cape Cod Towns.

# NEWEA 2014 Annual Conference & Exhibit January 26–29

BOSTON MARRIOTT COPLEY PLACE BOSTON, MA

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