New England Water Environment Association

WATER’S WORTH IT
INSPIRING THE WATER REVOLUTION

NEWEA 2019
Spring Meeting & Exhibit

June 2 – 5
Wentworth by the Sea
New Castle, New Hampshire
Please join us at Wentworth by the Sea in New Castle, New Hampshire for the 2019 NEWEA Spring Meeting. The Spring Meeting provides a time for our members and others to network and discuss the technical and operational challenges faced in our efforts working for water quality. Attend the technical sessions for professional development opportunities and don’t forget the ever-popular Operations Challenge competition.

Our program kicks off with our second annual Young Professionals Community Service Project. This new tradition is a great start to the week! This year’s project focuses on reviving a troublesome green infrastructure feature in Dover, New Hampshire and includes a tour of the award-winning Berry Brook Watershed.

Monday morning begins with a breakfast and General Opening Session. Our keynote speaker is The Honorable Jeanne Shaheen, United States Senate, State of New Hampshire. Senator Shaheen has served in the United States Senate since 2009 and is known for her common-sense leadership, hard work and dedication to improving the lives of the middle class.

Monday, Tuesday and Wednesday feature nine technical sessions with topics ranging from innovative technologies in our industry to resiliency and contaminants of emerging concern. In keeping with this year’s Innovation theme, we feature two technical sessions highlighting innovative ideas in our workplace and a session highlighting the New England Water Innovation Network (NEWIN). The Stormy Awards will be presented in Session 6 on Tuesday afternoon. Stop in and congratulate the recipients!

The Operations Challenge runs all day Tuesday with the awards ceremony starting at 4:00 PM. Come and cheer on your favorite team or just come to see these water quality professionals in action. The Exhibit Hall will open on Monday at 7:30 AM and continue until 5:00 PM Tuesday.

The Golf Tournament will be held on Monday at the Breakfast Hill Club and our featured tour on Tuesday is at the Peirce Island WWTP. Tuesday evening, we all gather at the NEWEA Reception and Dinner with a traditional New England flair.

On behalf of the Program Committee, we look forward to seeing you at the Spring Meeting in New Castle, New Hampshire. It will be a fantastic way to reconnect with current colleagues, meet new ones, and learn about our latest industry trends.

Raymond Vermette, NEWEA President
Amy Anderson, NEWEA Program Chair
New England Water Environment Association Presents:

NEWEA 2019 SPRING MEETING & EXHIBIT

June 2 – 5
Wentworth by the Sea
New Castle, New Hampshire

Conference Events

Saturday, June 1

YP Community Service Project ......................................................... 8:00 AM – 1:00 PM
The Young Professionals Committee organized the Second Annual NEWEA Community Service Project to assist the Berry Brook Watershed in Dover, NH. The project will renew a troublesome green infrastructure feature to manage non-point pollution in the area and improve water quality.

Register to volunteer and/or sponsor on NEWEA's website

Sunday, June 2

Registration ......................................................................................... Noon – 4:00 PM
Executive Committee Meeting ............................................................ Noon – 4:00 PM
Operations Challenge Event ............................................................... 1:00 – 7:00 PM
President’s Reception .......................................................................... 6:00 – 7:30 PM

Monday, June 3

Registration ......................................................................................... 7:30 AM – 5:00 PM
Speakers’ Breakfast ............................................................................. 7:30 – 8:30 AM
Breakfast and General Opening Session ........................................ 8:00 – 9:00 AM
Moderator: Amy Anderson, NEWEA Program Committee Chair, Arcadis
Welcome: Raymond Vermette, NEWEA President, City of Dover, New Hampshire

Featured Speaker: The Honorable Jeanne Shaheen, United States Senator, New Hampshire
The first woman in U.S. history to be elected both a Governor and a United States Senator, Jeanne Shaheen has been committed to serving the citizens of New Hampshire and is known for her common-sense leadership, hard work and dedication to improving the lives of the middle class. She has served in the United States Senate since 2009 and is a member of the Senate Committees on Armed Services, Foreign Relations, Appropriations, and Small Business and Entrepreneurship.

U.S. Senator, Jeanne Shaheen

Exhibit Area Open .............................................................................. 7:30 AM – 7:30 PM
Operations Challenge Events ............................................................. 9:30 – 11:00 AM

TECHNICAL SESSIONS 1 & 2 ............................................................... 9:15 – 11:45 AM
Break 10:15 – 10:45

INNOVATIVE SOLUTIONS TO EVERYDAY PROBLEMS
SESSION 1
Moderators: Matt Formica, AECOM
Kate Bedron, CDM Smith

A Global Community Within Anaerobic Ammonium Oxidizing Bioreactors
– Jennifer Lawrence, Tighe & Bond
– Ray Keren, University of California/Berkeley

How to Meet Water Quality Requirements by Shutting your Plant Down . . .
Permanently: HRSD’s Program to Decommission a 24-MGD WWTP to Satisfy TMDL Water Quality Regulations
– Will Schafer, Kimley-Horn
– Jacob Williams, Kimley-Horn

A Synergistic Approach to Net Zero Resource Recovery Facilities – Success
Story and Innovations at Hermitage Municipal Authority
– Sudhakar Viswanathan, Veolia Water Technologies

Targeted Phosphorus Recovery
– Justin Wippo, Thermal Process Systems
– Ben Horner, Hazen and Sawyer
– Fred McNeill, City of Manchester, NH EPD

COLLECTION SYSTEMS— PROACTIVE TOOLS AND EMERGENCY RESPONSE
SESSION 2
Moderators: Brad Hayes, Woodard & Curran
Scott Lander, Retain-It

Prescriptive Cleaning May be a Bitter Pill to Swallow but Some Municipalities are Finding a New Tech-Cure
– Jay Boyd, ADS LLC
– Matthew Brown, ADS LLC

GIS Tools for Management and Manipulation of Wastewater Infrastructure Data
– Michael Hanley, Dewberry
– Peter Garvey, Dewberry

Big Sewer Break—Big Problems
– Jeremy Bouvier, City of Manchester, NH Environmental Protection Division
– Fred McNeill, City of Manchester, NH Environmental Protection Division
– Ben Horner, Hazen and Sawyer

Nantucket’s Emergency Response to Catastrophic Force Main Break—January 2018
– Paul Millett, Environmental Partners Group, Inc.
– David Gray, Jr., Town of Nantucket, MA
– Ziad Kary, Environmental Partners Group, Inc.

Lunch Break (on own) ........................................................................... 11:45 AM
**Monday, June 3 (continued)**

<table>
<thead>
<tr>
<th>TECHNICAL SESSION 3</th>
<th>1:00 – 3:30 PM</th>
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<tr>
<td><strong>Break 2:00 – 2:30 PM</strong></td>
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</table>

**PHOSPHORUS REMOVAL—MONITORING STRATEGIES**

**AND INNOVATIVE TECHNOLOGIES**

**SESSION 3A**

Moderator: Ned Beecher, NEBRA

- Optimizing Biosolids Processing, Energy Reuse and Sidestream Treatment
  - Meg Hollowed, Veolia Water Technologies
  - Sudhakar Viswanathan, Veolia Water Technologies
  - Brad Mrjdenovich, Veolia Water Technologies

**City of Manchester, NH WWTF Boiler Upgrade Project**

- Robert Robinson, City of Manchester, NH EPD
- Robert Morris, City of Manchester, NH EPD
- Ryan Nealley, Yeaton Associates, Inc.

**SYSTEM OPTIMIZATION FOR ENERGY SAVINGS AND ENERGY USE**

**SESSION 3B**

Moderator: Sharon Nall, NH DES

- Orthophosphate Monitoring and Phosphorous Removal Control
  - Myra Michaels, Xylem
  - Benjamin Barker, Xylem
  - Robert Smith, Xylem

**Rare Earth Technology in Wastewater Treatment**

- Logan Wherry, Neo Water Treatment

**Spring Meeting Welcome Reception** (Ballroom) 6:00 – 7:30 PM

**Select Society of Sanitary Sludge Shovelers (5S) Induction Ceremony** 7:15 PM

*During the Monday evening reception, Influential Integrator Charles W. Tyler will induct 7 new members into the Select Society of Sanitary Sludge Shovelers: Bob Domkowski, Xylem; Bruce Kirkland, Greater New Haven WPCA; Joe Kruzel, Springfield Water & Sewer Commission; Nora Lough, Narragansett Bay Commission; Jerry Potamis, Falmouth, MA; Kerry Reed, City of Framingham, MA; Tim Vadney, Wright-Pierce*

**Tuesday, June 4**

**TECHNICAL SESSIONS 4 & 5**

<table>
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<tr>
<th>9:00 – 11:30 AM</th>
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<tr>
<td><strong>STORMWATER STRATEGIES—PLANNING FOR SUCCESS</strong></td>
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<td><strong>SESSION 4</strong></td>
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Moderators: Natalie Pommersheim, Environmental Partners Group, Inc. Renee Bourdeau, Horsley Witten Group

- **Stormwater Master Planning for Urban and Rural Communities**
  - Dana Allen, Watershed Consulting Associates, LLC
  - Kerrie Garvey, Watershed Consulting Associates, LLC
  - Becky Tharp, Watershed Consulting Associates, LLC
  - Andres Torizzo, Watershed Consulting Associates, LLC

- **Credit for Going Green: Expert Elicitation Methods to Develop Pollutant Load Reductions from Buffers**
  - James Houle, University of New Hampshire Stormwater Center

- **Stormwater Management in Multiple Dimensions**
  - Carol Hufnagel, Tetra Tech

- **Meeting TMDL Requirements: Municipal Incentives and Support for Private Stormwater Updates**
  - James Sherrard Jr., Town of Williston, VT

**INNOVATION IN OUR INDUSTRY**

**SESSION 5**

Moderators: Jim Barsanti, City of Framingham, MA Miles Moffatt, Tighe & Bond

- **Installation of Screw Press for Solids Dewatering at Westerly WWTF**
  - Stephen Clark, Jacobs
  - Nick De Gemmis, Jacobs
  - Kevin Dahl, Jacobs

- **Case Study: UV Upgrade Produces Real Energy Savings for Ayer, MA WWTP—How Innovative Non-Contact Technology Cut Power Consumption and Costs**
  - Kenneth Harwood, Town of Ayer, MA
  - Thomas Valorose, Russell Resources, Inc.

- **Wireless, Accurate and Long-term in situ Monitoring of Nitrogen towards Energy Saving Wastewater Treatment Processes**
  - Yuanhui Huang, University of Connecticut
  - Tianbao Wang, University of Connecticut
  - Zhiheng Xu, University of Connecticut
  - Baikun Li, University of Connecticut

- **Self-Leveling Manhole Technology—Protecting the Integrity of Your Roadways and Minimizing Maintenance Costs**
  - Brian Steitz, EJ
  - Craig Coggins, EJ

**Buffet Lunch in the Exhibit Area** 11:30 AM – 1:30 PM

**Facility Tour—Peirce Island Wastewater Treatment Facility** 1:30 – 4:00 PM

(see page 8 for complete tour details)

**Continental Breakfast** 7:30 – 9:00 AM

**Registration** 7:30 AM – 5:00 PM

**Speakers’ Breakfast** 7:30 – 8:30 AM

**Exhibit Area Open** 7:30 AM – 5:00 PM

**NEWEA Presidents’ Breakfast** (by invitation only) 8:00 – 9:00 AM

**Operations Challenge Event** 8:30 AM – 3:00 PM

Winning teams from New England will represent NEWEA in the WEF national event to be held in Chicago in October.
Tuesday, June 4 (continued)

TECHNICAL SESSION 6 & 7
1:30 – 4:00 PM
Break 2:30 – 3:00

2018 STORMY AWARDS— SESSION 6
BEST IDEAS IN NEW ENGLAND STORMWATER
Moderators: Zach Henderson, Woodard & Curran
Kerry Reed, City of Framingham, MA

Municipal and institutional stormwater management programs in New England are challenged by limited dedicated funding, political support, and staff capacity. Each year, the New England Stormwater Collaborative, a joint committee of NEWWA, NEAPWA and NEWEA, awards exceptional ideas that are changing that situation. This session will provide an overview of the STORMY Award program, present the 2018 winning ideas, and end with a panel discussion.

The 2018 New England Stormy Award winners are:

**Franklin Tree Wells**
– Brutus Cantoreggi, Town of Franklin, MA

**Think Blue Massachusetts—A Statewide Education Campaign to Build Awareness of Stormwater**
– Robin Leal Craver, Town of Charlton, MA and MA Statewide Municipal Stormwater Coalition

**Climate Resilient Design Standards and Guidelines for Protection of Public Rights of Way**
– Katie Choe, City of Boston, MA DPW

Panel Discussion on Past and Present STORMY Award Winning Ideas

FORWARD THINKING APPLICATIONS & SOLUTIONS TO ADVANCE THE NATION’S CLEAN & SAFE WATER GOALS
SESSION 7
Moderators: Helen Gordon, Environmental Partners Group
Deb Mahoney, Hazen and Sawyer

**Water Innovation—Inspire, Connect, and Accelerate the Revolution**
– Prof. David Reckhow and Patrick Wittbold, University of Massachusetts/Amherst
– Michael Murphy, MA Clean Energy Council
– Miles Walker, Woodard & Curran

**Workforce Diversity—Attracting and Retaining a**
– Roberto Vengoechea, Watts Water Technologies
– Jacqueline Ashmore, Boston University Institute of Sustainable Energy
– Erika Rodriguez, Chica Project

Operations Challenge Wrap-up and Awards Presentation

NEWEA Reception and Dinner

Please check the final program for location and details

Wednesday, June 5

Registration and Continental Breakfast

TECHNICAL SESSION 8 & 9
9:00 – 11:30 AM
Break 10:00 – 10:30

RESILIENCY STRATEGIES—BRACING FOR CHANGE
SESSION 8
Moderators: Patrick Gordon, StormTrap
Vinta Varghese, Jacobs

**The City of Quincy Coastal Flood Mitigation & Infrastructure Resiliency Strategies**
– Marina Fernandes, Tighe & Bond
– Paul Costello, City of Quincy, MA
– Gabrielle Belfit, Tighe & Bond

**Resilient Design and Regulating for Climate Change**
– Anniique Fleurat, VHB
– Mark Costa, VHB

**Living with the Bay Rebuild by Design Resiliency Strategy: The Plan, The Program, The Projects**
– Jake Oldenburger, Tetra Tech
– Michael Bomar, Tetra Tech

**Advancing Statewide Risk Reduction and Resilience in Massachusetts**
– Aaron Weiineth, AECOM

PLANT OPERATIONS
SESSION 9
Moderators: Tom Hazlett, Woodard & Curran
John Adie, NH DES

**Addressing Brain Drain in Portland, Maine**
– Scott Firmin, The Portland Water District
– Charlene Poulin, The Portland Water District

**Updating a CSO Facility with New Technology and No Interruption in Service**
– Roger Kaliman, Tetra Tech

**A Multi-Sector Approach to Reduce Energy Consumption and Optimize Process Efficiency at the Upper Blackstone**
– Edris Taher, Upper Blackstone Clean Water
– Karla Sangrey, Upper Blackstone Clean Water
– Tim Loftus, Upper Blackstone Clean Water

**Opening the Floodgates of Experiential Learning for Students of All Ages**
– Nick Tooker, University of Massachusetts
– Todd Brown, University of Hartford
– Annalisa Onnis-Hayden, Northeastern University
– Nels Tooker, Newington, NH Public Schools

Mr. & Mrs. Fish (two performances)

This year’s performance is: Ocean Food Chain Enjoy learning about the importance of water and keeping our oceans clean in a fun, laughter-filled performance by award-winning marine educators “Mr. & Mrs. Fish.”

Box Lunch

Please check the final program for location and details
Facility Tour

Peirce Island Wastewater Treatment Facility

The City of Portsmouth, New Hampshire is undertaking the largest capital project in the City’s history to upgrade the Peirce Island Wastewater Treatment Facility. The project, required by a Consent Decree with the EPA, will upgrade the existing chemically enhanced primary treatment system to a secondary treatment facility with nitrogen removal processes. The City’s Final Wastewater Master Plan from 2010 identified the need for high-rate, small footprint treatment technologies due to the limited amount of available space on Peirce Island. Since these high-rate technologies have limited full-scale installations, it was recommended that several different systems be piloted to determine the most applicable technology. Based on the results of the extensive piloting program, the use of a two-stage Veolia Water Technologies BIOSTYR™ Biological Aerated Filter (BAF) was recommended. The first BAF stage accomplishes both carbon oxidation and nitrification while the second stage is designed for denitrification.

The $92M project commenced construction in the Fall of 2016 and will increase the design average daily flow from 4.8 MGD to 6.13 MGD. The scope of the project also includes renovation of the existing grit removal building and construction of new headworks, solids handling, laboratory, and administrative facilities. The project is currently more than halfway through its four year construction period with the new secondary and nitrogen removal facilities projected to begin operation in the first half of 2020.

Hotel Information

Wentworth by the Sea

Rates and Reservations

Reserve by calling Wentworth by the Sea at 866-384-0709 and refer to: NEWEA SPRING MEETING or the online reservation form (https://www.marriott.com/event-reservations/reservation-link.mi?id=1550156706890&key=GRP&app=resvlink)

Room rates and options vary.

Single or double rooms start at $215++. The group rate is on a space and date availability basis. The deadline to reserve and receive the NEWEA group rate is Sunday, May 12, 2019.

The resort is located about 64 miles from Boston (1 hour), 55 miles from Portland, Maine and 152 miles from Hartford, Connecticut. Get Directions

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Room rates and options vary.

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The resort is located about 64 miles from Boston (1 hour), 55 miles from Portland, Maine and 152 miles from Hartford, Connecticut. Get Directions
Guest Program

Monday, June 3

Breakfast
8:00 – 9:00 AM

Golf Tournament
11:30 AM Registration.
Join us at the Breakfast Hill Golf Club as we tee off at 12:15 PM as part of a “Shotgun” start with numerous prizes. See next page for Golf Tournament further details. Separate registration required, $110 pp.

NEWEA Reception
6:00 – 7:30 PM
Join us at the NEWEA Reception and 5S Induction Ceremony in the Spring Meeting Exhibit Area.

Tuesday, June 4

The Portsmouth Historical Society was founded in 1917 and is a nonprofit devoted to championing the history, arts and culture of Portsmouth region through acquisitions, preservation, museum exhibitions, programs and publications.

Breakfast
7:30 – 9:00 AM
Meet for continental breakfast before the day’s activities.

Guest Tour and Program
10:30 AM – 2:00 PM • Coordinator: Lauren Hertel
Walking Tour of Historic Portsmouth, NH
Join the knowledgeable staff of the Portsmouth Historical Society and learn why Portsmouth is the hub of the New Hampshire Seacoast! Portsmouth downtown is filled with treasures and the walking tour will introduce you to the City’s rich past and lively present. A unique mix of architecture, specialty shops, and bustling streets nestled in a village-like setting. This walking tour aims to bring the City alive.
Lunch will be hosted following the tour at a local restaurant in the downtown area.
Transportation will be provided.

Operations Challenge Awards Reception
4:00 PM

Reception & Dinner
6:30 – 10:00 PM
2019 NEWEA Spring Meeting Golf Outing to Benefit New England Ops Challenge Teams

GOLF OUTING

Monday, June 3 • Lunch at 11:30 AM • Shotgun Start at 12:15 PM
BREAKFAST HILL GOLF CLUB – GREENLAND, NEW HAMPSHIRE

REGISTRATION FORM

- **O** SIGN ME UP FOR THE GOLF OUTING!
- **O** PLEASE PLACE ME IN FOURSOME WITH:
  - PLAYER #1
  - PLAYER #2
  - PLAYER #3
  - PLAYER #4

PAYMENT

- All forms must be received by May 25, 2019
- **O** Check (make checks payable to NEWEA, Inc.)
  - Total $ _______
- **O** VISA
  - Card No. _______
  - Exp. Date _______
  - V-Code _______

Mail or fax completed form to NEWEA or register online
THANKS FOR YOUR CONTINUED SUPPORT OF NEW ENGLAND’S OPS CHALLENGE TEAMS!

REGISTER EARLY! All forms must be received by May 25, 2019. Registration is based on a first-come, first-serve basis. Registration includes 18 holes of golf on Breakfast Hill’s beautiful championship level public course, riding cart, box lunch, and the chance to lie about how well you played back at the meet and greet later that night.

Shotgun format • Putting contest • Mulligans for sale during golf outing • Prizes to be awarded for: Closest to pin (two), Long Drive (M & W), 1st, 2nd, 3rd place teams

ALL FORMS MUST BE RECEIVED BY MAY 25, 2019

NEWEA, 10 Tower Office Park, Suite 601, Woburn, MA 01801
P: 781-939-0908 • F: 781-939-0907 • newea.org

Register Online: bit.ly/2HuU0NC
REGISTRATION FORM

1. REGISTRATION INFORMATION (AS IT IS TO APPEAR ON YOUR NAME BADGE. USE ONE FORM PER PERSON.)

Last Name: ________________________  First Name: ______________________   Nickname: _____________________

Company: ________________________________________  Email: __________________________________________

Address: _________________________________________  City: ____________  State: _________  Zip: ____________

2. MEETING REGISTRATION/PRICING

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<th>Event Description</th>
<th>BEST RATE (by May 17)</th>
<th>STANDARD (after May 17)</th>
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<tr>
<td>NEWEA Membership ID # ________________________________</td>
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<td>Non Member: $480**</td>
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<td>Member: $430</td>
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<td>One-Day Registration (select day you will attend)</td>
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<td>Single Day Attendee</td>
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☐ Speakers may take a $30 discount on the registration fee.
☐ New Hampshire Water Pollution Control Association (NWPCA) Members may receive the member registration rate.

*Event tickets may be purchased separately.

**Non-members wishing to register at the member rate may sign up for membership and submit the forms together to receive the member rate. Please contact the NEWEA office at 781-939-0908 if you have any questions.

Operations Challenge Teams: visit springmeeting.newea.org to download a team registration form.

3. SPECIAL EVENT TICKETS

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<th>BEST RATE (by May 17)</th>
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<td>Spouse/Guest Program - Tuesday, June 4, 8:30AM-3PM</td>
<td>$175</td>
<td>$185</td>
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<td>Monday Reception - Monday, June 3, 6:00 PM</td>
<td>$50</td>
<td>$60</td>
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<tr>
<td>Tuesday Reception &amp; Dinner - Tuesday, June 4, 6:30 PM</td>
<td>$80</td>
<td>$90</td>
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<tr>
<td>YP Community Service - Saturday, June 1, 8:00 AM-1:00 PM</td>
<td>☐ Yes, I’d like to participate (rain or shine)</td>
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4. PAYMENT INFORMATION

☐ Charge VISA/MC/Amex/Discover

☐ Check # ____________________________

☐ Purchase Order # ______________________ I authorize NEWEA to charge my credit card for the amount indicated.

RETURN COMPLETE FORMS TO: NEWEA, 10 Tower Office Park, Ste 601, Woburn, MA 01801 or fax to: 781-939-0907 or register online at springmeeting.newea.org  Preregistration Deadline: Friday, May 17, 2019

QUESTIONS? Call 781-939-0908.

CANCELLATIONS must be submitted in WRITING by Friday, May 17, 2019. A 20% service fee will apply to all cancellations received before May 17; no refunds will be made on registration fees or special events after Friday, May 17. Due to Association agreements and guarantees, fees are forfeited if you are not able to attend the conference.

PLEASE SEE REVERSE FOR COMPLETE REGISTRATION INFORMATION
**FREQUENTLY ASKED QUESTIONS**

**New England Water Environment Association**

**Spring Meeting & Exhibit**

**June 2-5, 2019 • Wentworth By The Sea, New Castle, NH**

**Co-Sponsored by New Hampshire Water Pollution Control Assoc.**

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**REGISTRATION INFORMATION**

**ONLINE:** springmeeting.newea.org  
**FAX:** 781-939-0907  
**EMAIL:** mail@newea.org  
**PHONE:** 781-939-0908  
**MAIL:** NEWEA, 10 Tower Office Park, Suite 601  
Woburn, MA 01801

*make checks payable to NEWEA*

**YOUNG PROFESSIONAL:** To qualify, requires a young professionals (YP) membership in NEWEA/WEF.

**REGULATOR:** To qualify, requires a Regulator (REG) membership in NEWEA or must be employed by a New England Environmental Regulatory Agency, including: USEPA Region 1, CT DEEP, ME DEP, MA DEP, NH DES, RI DEM; VT DEC

**LIFE/RETIRED:** To qualify, requires a life or retired membership in NEWEA/WEF.

**CANCELLATIONS:** Must be submitted in WRITING by Friday, May 17, 2019. A 20% service fee will apply to all cancellations received before May 17; no refunds will be made on registration fees or special events after Friday, May 17. Due to Association agreements and guarantees, fees are forfeited if you are not able to attend the Conference.

**TAX DEDUCTION:** Treasury regulation 1162-5 permits an income tax deduction for educational expenses (registration fee, cost of travel, meals and lodging) undertaken to maintain or improve skills required in one’s employment or business.

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**MEETING EVENTS**

**Sunday, June 2, 2019**

12:00 Noon–4:00 PM  Registration & Exhibit Set Up

**Monday, June 3, 2019**

7:30 AM–4:00 PM  Registration

7:30 AM–7:00 PM  Exhibits

8:00–9:00 AM  Opening Session/Breakfast

9:15–11:45 AM  Morning Sessions

1:00–3:30 PM  Afternoon Sessions

**Tuesday, June 4, 2019**

7:30 AM–4:00 PM  Registration

8:00 AM–5:00 PM  Exhibits

9:00 AM–4:00 PM  Operations Challenge Event

9:00 AM–11:30 AM  Morning Sessions

11:30 AM–1:30 PM  Buffet Lunch

1:30–4:00 PM  Afternoon Sessions

4:00 PM  Ops Challenge Awards

**Wednesday, June 5, 2019**

8:00–8:30 AM  Registration & Cont. Breakfast

9:00 AM–11:30 PM  Morning Sessions

12:00 PM  Box Lunch for session participants

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**HOTEL INFORMATION**

**Wentworth By The Sea Hotel**

588 Wentworth Road, New Castle, NH 03854


**Accommodations**  
**Rate**

- Single  
  - $215.00

- Double  
  - $215.00

All rooms subject to tax. Group rates are subject to date and space availability.

**Group Rate Deadline:** Sunday, May 12, 2019

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**WHAT’S INCLUDED IN YOUR REGISTRATION?**

<table>
<thead>
<tr>
<th></th>
<th>Technical Sessions</th>
<th>Exhibit Hall</th>
<th>Opening Session/Breakfast</th>
<th>Monday Reception*</th>
<th>Tuesday Lunch</th>
<th>Tuesday Reception &amp; Dinner*</th>
<th>Wednesday Box Lunch</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>A. Full Meeting</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>B. One Day</strong></td>
<td>✓</td>
<td>✓</td>
<td>✓ (mon)</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td><strong>C. Young Professionals, Student, Life &amp; Retired Members</strong>*</td>
<td>✓</td>
<td>✓</td>
<td>✓ (mon)</td>
<td>✓</td>
<td>✓</td>
<td>✓ (wed)</td>
<td>✓</td>
</tr>
<tr>
<td><strong>D. Spouse/Guest Program</strong>**</td>
<td>✓</td>
<td>✓</td>
<td>✓ (mon)</td>
<td>✓</td>
<td>✓</td>
<td>✓ (wed)</td>
<td>✓</td>
</tr>
</tbody>
</table>

*additional tickets may be purchased separately; Does not include Monday Welcome Reception or Tuesday Dinner tickets.

**limited to a Spouse/Guest of a conference registrant, who is **not** involved in the water/wastewater field.
Conference Sponsors
ADS Environmental Services
AECOM
Aqua Solutions
ARCADIS
Black & Veatch
Brown and Caldwell
Carlsen Systems
CDM Smith
David F. Sullivan & Associates
Dewberry
Duke’s Root Control
Environmental Partners Group
EST Associates
Flow Assessment Services
Fuss & O’Neill
GHD
Green Mountain Pipeline Services
Hayes Pump
Hazen and Sawyer
Hoyle, Tanner & Associates, Inc.
Jacobs
Kleinfelder
Mott MacDonald
NASSCO
NEFCO
Nitsch Engineering
Stantec
SUEZ
Synagro Northeast
Tata & Howard
Tetra Tech
The MAHER Corporation
Tighe & Bond
Weston & Sampson
Woodard & Curran
Wright-Pierce