

6th Northeast Onsite Wastewater Treatment Short Course and Equipment Exhibition

TUESDAY, April 2, 2019

7:00 AM - 7:00 PM	Registration Open, Foyer			
7:00 AM - 8:30 AM	Continental Breakfast, Mystic Ballroom			
	General Session, Marriott Salon D			
8:30 AM - 9:00 AM	Welcome & Opening Remarks - <i>Thomas Groves (NEIWPCC) & Sonia Marino (Westbrook Health Department)</i>			
9:00 AM - 10:00 AM	Opening Session: <i>Contaminants of Emerging Concern: Challenges going forward – What we know and what we still don't know</i> - <i>George Heufelder, Barnstable County Department of Health and Environment</i>			
10:00 AM - 10:30 AM	Break, Exhibit Hall Opening (Mystic Ballroom)			
	Concurrent Sessions			
Room:	<i>Marriott Salon D</i>	<i>Marriott Salon EF</i>	<i>Marriott Salon AB</i>	<i>Marriott Salon C</i>
	Policy	Sustainability	Onsite A to Z	Vendor Training
10:30 AM - 11:30 AM	<i>Barriers to Using Decentralized Wastewater Community Solutions: 2007 to 2018 - Clark</i>	<i>Developing a County-Wide Road Map for the Restoration of Water Quality Through Wastewater Management - Zegel</i>	<i>Septic System Treatment Overview - Sara Heger</i>	<i>Infiltrator Water Technologies</i>
11:30 AM - 12:30 PM	<i>Suffolk County New York's Reclaim Our Water Initiative - Jobin</i>	<i>How are Reductions in Water Usage Impacting our Septic Systems? - Heger</i>	<i>Key Wastewater Characteristics - John Buchanan</i>	<i>Aquapoint.3 LLC</i>
12:30 PM - 1:30 PM	Lunch in Exhibit Hall (Mystic Ballroom)			
	Policy	Environmental Impacts	Onsite A to Z	Vendor Training
1:30 PM - 2:30 PM	<i>Panel Session: State Funding Programs for Onsite Systems - Clark, Heger, & Murphy</i>	<i>Passive Wastewater Nitrogen Removal - Layer Cake / NRB / PNR vs 2 Stage Biofiltration - Lombardo</i>	<i>Soil and Site Evaluation - Randy Miles</i>	<i>F.R. Mahony & Associates, Inc.</i>
	Technology	Environmental Impacts	Onsite A to Z	Vendor Training
2:30 PM - 3:30 PM	<i>OWTS: How to Ensure Consistency between Certification and Field Results - Bélanger</i>	<i>Importing Soil Material on Marginal Soil treatment Area Footprints - Miles</i>	<i>Pretreatment in Septic Tanks - Tom Fritts</i>	N/A
3:30 PM - 4:30 PM	<i>Septic Tank Buoyancy Control 101 - Lentz</i>	<i>Development of an Alternative Onsite Treatment System Program to Meet the Nitrogen Reduction Goals of the Pleasant Bay Watershed Permit, Brewster, MA - Nelson & Miller</i>	<i>Pretreatment in Aerobic Treatment Units - Sara Heger</i>	N/A
5:00 PM - 7:00 PM	Exhibitor and Welcome Reception, Mystic Ballroom			

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WEDNESDAY, April 3, 2019

7:00 AM - 8:30 AM	Registration Open, Foyer			
7:30 AM - 8:30 AM	Breakfast in Exhibit Hall (Mystic Ballroom)			
	Concurrent Sessions			
Room:	<i>Marriott Salon D</i>	<i>Marriott Salon EF</i>	<i>Marriott Salon AB</i>	<i>Marriott Salon C</i>
Topic:	Technology	Environmental Impacts	Onsite A to Z	Vendor Training
8:30 AM - 9:30 AM	<i>Efficacy of "Eco-Toilet" and I/A Technologies for the Reduction of Nutrient Inputs into Groundwater; A Falmouth, MA Technology Study - Woods</i>	<i>Suffolk County's Septic Improvement Program - Jobin</i>	<i>Pretreatment in Media Filters - Sara Heger</i>	N/A
9:30 AM - 10:30 AM	<i>Drip Distribution – Design, Installation and Service - Buchanan</i>	<i>The Effectiveness of Layering a Sand-Sawdust Layer in a Soil Absorption System for the Removal of Nitrogen from Onsite Septic Systems in Northern Climates - Heufelder</i>	<i>Water Movement in Soils - Randy Miles</i>	<i>Eljen Corporation</i>
10:30 AM - 11:30 AM	<i>Groundwater Mounding Analysis for Onsite Wastewater Discharge: From Simple to Innovative - Bradley</i>	<i>The Various Aspects of Treatment by the Soil in Onsite Wastewater Systems - Miles</i>	<i>Distribution of Effluent - John Buchanan</i>	<i>Presby Environmental</i>
11:30 AM - 12:30 PM	Lunch in Exhibit Hall (Mystic Ballroom)			
	Technology	Environmental Impacts	Onsite A to Z	Vendor Training
12:30 PM - 1:30 PM	<i>Septic System Malfunction Studies and Analysis - Healy</i>	<i>Pilot Test of Nutrient Removal by Large-Scale Drip Dispersal of Tertiary-Treated Effluent, Southern Vermont - Heindel</i>	<i>Pumps and Controls - John Buchanan</i>	<i>J&R Sales and Service, Inc.</i>
1:30 PM - 2:30 PM	<i>Choosing the Correct System for the Site - Fritts</i>	<i>Nitrogen Loading from Onsite Wastewater Treatment Systems in the Greater Narragansett Bay Watershed: Magnitude and Reduction Strategies - Amador</i>	<i>Soil Treatment Systems - Randy Miles</i>	<i>Oakson, Inc.</i>
2:30 PM - 3:00 PM	Break in Exhibit Hall (Mystic Ballroom)			
3:00 PM - 4:00 PM	<i>Suffolk County New York's I/A OWTS Demonstration Program and Performance Evaluation - Jobin</i>	<i>Onsite wastewater treatment systems in southern New England: Nitrogen removal performance, greenhouse gas emissions and climate change woes - Cox, Ross, & Wigginton</i>	<i>Installation and Inspection - Tom Fritts</i>	N/A
4:00 PM - 5:00 PM	4:00 PM - 4:30 PM <i>Advanced Septic System Nitrogen Sensor Challenge: Background and Update - Theroux</i>	<i>Nitrogen Removal from Wastewater by Ion Exchange Sorption & In Situ Regeneration - Smith</i>	<i>Operation and Maintenance - Tom Fritts</i>	N/A
	Emerging Issues 4:30 PM - 5:00 PM <i>Prevalence of Surfactants in Advanced Technology Onsite Wastewater Treatment Systems - Rhodes</i>			

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THURSDAY, April 4, 2019

7:00 AM - 9:00 AM	Continental Breakfast for Field Trip Attendees, Conference Room 7
8:30 AM - 9:00 AM	Pre-Field Trip Meeting, Conference Room 7
9:00 AM - 3:30 PM	FIELD TRIP: 66 High Street, Guilford Commons, & Westbrook Outlet facilities (Boxed Lunch Provided)
	Guilford Commons: a facility installed in 2016 employing a membrane filtration system, with recycling of wastewater to toilets and urinals. This project is known locally as “the rock pile” and has lateral sand filters to transmit the effluent.
	66 High Street: this facility was constructed in 2017-2018 at a new residential development and employs top-of-the-line membrane filtration technology. This project will be interesting to discuss because of its location at the clean-up of an industrial site. Septic and EQ tanks are installed in the groundwater, and we will discuss the measures taken to ensure that there is no infiltration. The membrane filtration tanks are above ground and the inside of the tanks can be seen. Treated wastewater is used to clean the membranes.
	Westbrook Outlet: a facility installed over twenty years ago, also employing a membrane filtration system and with recycling of wastewater to toilets and urinals. We will be able to compare two very similar facilities, installed 20+ years apart, and see how the technology has evolved.