



CSO/Wet Weather Issues Specialty Conference, Exhibit & Tour
Implementing Integrated Wet Weather Solutions in a Digital World

October 26-27, 2015 - Lowell, MA

Agenda – Monday, October 26, 2015

8:00 – 8:30 AM	Registration & Continental Breakfast / Exhibit Area
8:30 – 9:00 AM	Welcome & Opening Session Brad Moore, NEWEA Past President Jim Drake, CSO/Wet Weather Issues Committee Chair Mark Young, Executive Director, Lowell Regional Wastewater Utility
9:00 – 10:00 AM	Keynote Speaker—Kevin Weiss, U.S. EPA Office of Water, Water Permits Division
10:00-10:30 AM	Break / Exhibit Area
10:30 AM-12:00 PM	Concurrent Sessions A & B

CONCURRENT SESSION A (Merrimack)
Integrated Wastewater/CSOs/Stormwater
Moderators: Matt Davis and Colin O'Brien, Brown and Caldwell

10:30 AM	Balancing Needs, Requirements and Affordability through Integrated Planning Nancy Beaton, CDM Smith and Terrance Sullivan, City of Fall River
11:00 AM	Why Bangor Said No to Integrated Wastewater and Stormwater Planning Gregory Heath, AECOM and Brad Moore, Bangor, ME
11:30 AM	City of New Bedford - In the Midst of Drafting an Intergrated Plan Shawn Syde, CDM Smith

CONCURRENT SESSION B (Lower Locks)
CSO Control Plan 1
Moderators: Shawn Dent, Carollo Engineers & James Drake, CDM Smith

10:30 AM	System Optimization: The First Step in CSO Control Alternatives Development Don Walker, AECOM
11:00 AM	A Revised Approach in CSO Abatement Control—How CMOM Has Changed the Hartford LTCP James Drake, CDM Smith
11:30 AM	How the West Was Dug: Integrating CSO Abatement and Stormwater Management through Renewed Urban Infrastructure in the City of Cambridge, MA Kate Goyette and Ed Mitiguy, Kleinfelder

12:00 - 1:00 PM Lunch (provided - Grand Ballroom)

1:00 - 4:30 PM Concurrent Sessions C & D

CONCURRENT SESSION C (Merrimack)
Right To Know/E-Reporting
Moderators: Ivonne Hall, CT DEEP & Melissa Recos, Beta Group

1:00 PM	Forum: Right to Know—Regulator Panel Edward Hampston, NYSDEC Ernie Kelley, VTDEC Alex Rosenberg, EPA Region 1
2:00 PM	Boston Relies on New Technology and Scattergraphs to Detect Overflows Paul Keohan, BWSC and Pat Stevens, ADS
2:30 PM	Break / Exhibit Area
3:00 PM	Timeliness or Accuracy—Balancing Competing Needs for CSO Notifications Patricia Chesebrough, Weston & Sampson and Paul Casey, Flow Assessment Services
3:30 PM	Lessons Learned from Long-Term CSO Monitoring, Metering and Modeling—A Springfield Case Study Matthew Travers, MWH
4:00 PM	There Is an App for That! SSO Mobile Application Achieves Better Reporting Justin deMello, Woodard & Curran

CONCURRENT SESSION D (Lower Locks)
High Flow Management at WRRF
Moderators: Steve Freedman, AECOM & Steven Perdios, Dewberry

1:00 PM	Wet Weather Operating Challenges and Opportunities for CSO Control at a Midwestern WWTP Edward Burgess, CDM Smith
1:30 PM	Wet Weather BNR Operations in New York City Sarah Galst, Hazen and Sawyer
2:00 PM	High Flow Operation of the Deer Island Treatment Plant Ethan Wenger, MWRA
2:30 PM	Break / Exhibit Area
3:00 PM	Preliminary Design of the DC Water Enhanced Clarification Facility Gregory Heath, AECOM
3:30 PM	A Pilot Study of CSO Treatment Using Cloth Media Filtration Technology Mark Hughes, Aqua-Aerobic Systems
4:00 PM	Maximizing Wet Weather Treatment at Lowell's Duck Island WWTF Michael Stuer and Evan Walsh, LRWWU

4:30 - 5:30 PM Networking Reception / Exhibit Area

OVER



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Agenda – Tuesday, October 27, 2015

8:00 – 8:30 AM Registration & Continental Breakfast / Exhibit Area

8:30 AM-12:00 PM Concurrent Sessions E & F

CONCURRENT SESSION E (Merrimack)

Wet Weather Success Stories

Moderators: Gregg Heath, AECOM & Nicholas Anderson, MWH

- 8:30 AM **Sucess Stories and Lessons Learned in Exeter and Portsmouth, NH Including Private I/I Mitigation for CSO Control**
Cole Melendy, Underwood Engineers
- 9:00 AM **CSO Success—Overcoming Funding & Design Challenges in Madawaska, ME**
Robert Polys and Maggie Connolly, Woodard & Curran
- 9:30 AM **How the Internet of Things Can Help Communities Better Manage Urban Stormwater**
Marcus Quigley and Jamie Lefkowitz, OptiRTC
- 10:00 AM Break / Exhibit Area
- 10:30 AM **Benefits of Sound Planning: How Augusta, ME's 25-year Adapted CSO Abatement Program Netted Positive Results**
Steven Freedman and Eric Lemont, AECOM and Brian Tarbuck, GAUD
- 11:00 AM **Knowledge Is Power: GNHWPCA Reduces Annual CSO Volume by 28% In two Years for \$350K**
Thomas Sgroi and Bruce Kirkland, GNHWPCA
- 11:30 AM **I/I Removal, Combined Sewer Separation, or Treatment Expansion—the Trifecta of Integrated Planning in Rockland, ME**
Laurie Perkins, Wright-Pierce

CONCURRENT SESSION F (Lower Locks)

Green Infrastructure

Moderators: Melissa Recos, BETA Group & Nancy Galinaro, Portland ME

- 8:30 AM **The Big Green Apple Update on New York City Department of Environmental Protection Green Infrastructure**
Virginia Roach, CDM Smith
- 9:00 AM **Green Infrastructure in New York City—Three Years of Pilot Implementation and Post-Construction Monitoring**
Matthew Jones, Hazen and Sawyer
- 9:30 AM **Survivability of Green Infrastructure Practices for Stormwater Control in Urban Environments**
Nancy Ellwood, CDM Smith
- 10:00 AM Break / Exhibit Area
- 10:30 AM **Soaking up the Rain in Westwood, MA**
Sarah Bounty, Neponset River Watershed Association
- 11:00 AM **Decatur WAY Green Alley**
Michael Dodson, CDM Smith
- 11:30 AM **Enhancing CSO Storage by Integrating Green Infrastructure with the Back Cove South Storage Conduit in Portland, ME**
Ryan Wingard, Wright-Pierce

12:00 - 1:00 PM Lunch (provided - Grand Ballroom)
 1:00 - 4:30 PM Concurrent Session G & Facility Tour

CONCURRENT SESSION G (Merrimack)

Wet Weather Potpourri

Moderators: Charles Wilson, Hazen and Sawyer & Rita Nothaft-Fordiani, Kleinfelder

- 1:00 PM **Model Forensics—Validating the Performance of a Hydraulic Model Against a Design Storm that Actually Occurred**
David Bedoya, MWH Global
- 1:30 PM **Integrated Planning: Using Innovative Technologies to Identify and Mitigate Priority Sources of Pollution**
Leah Gaffney, Black & Veatch
- 2:00 PM **An Integrated Approach to Climate Change and Design—City of Cambridge, MA**
Indrani Ghosh, Kleinfelder
- 2:30 PM Break (in room)
- 3:00 PM **Agile Stormwater Programs and Incentives Drive Cost Effective Long-Term Control Plan Compliance**
Philip Pickering, Philadelphia Water Dept. and Prabha, Kumar, Black & Veatch
- 3:30 PM **Water Quality Modeling Study to Evaluate Multiple CSO Management Options for the NBC**
Deborah Crowley, RPS-ASA and Craig Swanson, Swanson Environmental Associates

CONCURRENT TOUR (Lower Locks)

Decatur Way Green Alley & Lowell Regional WW Utility

Tour Coordinators: Mark Young and Mike Stuer, LRWWU

- 1:00 PM **Pretour Presentation**
- 1:10 PM Load Bus
- 1:30 PM **Decatur WAY Green Alley Tour**
- 2:10 PM Board bus and travel to Duck Island
- 3:00 PM **Duck Island WWTF Tour, LRWWU**
A chance to learn and view Lowell Regional Wastewater Utility's Duck Island including their green roof, detention pond/parking areas and influent.
- 4:30 PM *Bus Returns to Hotel*

Please see registration desk to sign up for the tour or if your plans have changed. Transportation will be provided. Space is limited.

4:00 PM Adjourn



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Special Thanks to our Exhibitors:

ADS Environmental Services-Idex
Advanced Drainage Systems, Inc.
Atlantic Fluid Technologies
BAU Hopkins
CUES
David F. Sullivan & Assoc.
EST Associates, Inc.
Flow Assessment Services LLC
M.A. Selmon Company LLC
Porous Technologies LLC
StormTrap
Technology Sales Associates Inc
The New England Consortium/UMass Lowell
Victaulic
Wright-Pierce

Exhibit Hours

Monday, Oct. 26 8:00AM - 5:30PM
Tuesday, Oct. 27 8:00AM - 1:00PM

Special Thanks to our Sponsors:

ADS Environmental Services
AECOM
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Hazen and Sawyer
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MWH
Tighe & Bond
United Water
Weston & Sampson
as of 10/16/15

TRAINING CONTACT HOURS (TCHs)

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

PROCEEDINGS

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

This conference was hosted by NEWEA's CSO/Wet Weather Issues Committee. We thank the attendees, speakers, exhibitors, and sponsors for making this event successful.