



2011 Winter Conference

Understanding the New Paradigm for Wet Weather & Collection System Management

*February 1-4, 2011
Hyatt Regency Pier Sixty-Six
Ft. Lauderdale, Florida*

Note: All meetings are on the Lobby Level of the Hyatt Regency Pier Sixty-Six unless otherwise noted.

As of February 7, 2011

Δ – Board of Directors Committees

Tuesday, February 1

Morning

7:30 – 4:00 **Registration**

Crystal Atrium

8:30 – 9:30 **Strategic Planning Committee Δ**

Crystal Ballroom I

9:00 – 10:00 **Spouse & Guest Lounge**

The Lounge

9:45 – 10:45 **Audit Committee Δ**

Windows Conference

Ground Level

11:00 – 12:00 **Finance Committee Δ**

Crystal Ballroom I

11:00 – 12:00 **Climate Change Committee**

Crystal Ballroom II

11:00 – 12:00 **Biosolids Management Committee**

Crystal Ballroom III

Afternoon

1:15 – 2:30 Water Quality Committee
Crystal Ballroom II

2:45 – 4:00 Facility & Collection Systems Committee
Crystal Ballroom II

4:00 – 5:00 Membership Committee Δ
Windows Conference
Ground Level

4:15 – 5:15 Stormwater Management Committee
Crystal Ballroom II

Evening
5:45 – 7:00 Registration
Crystal Atrium

6:00 – 7:00 Welcoming Reception
Windows on the Green
Ground Level

Wednesday, February 2

Morning

7:00 – 4:00 Registration
Crystal Atrium

7:30 – 8:45 Regulatory Policy Committee
Panorama Ballroom A

9:00 – 10:00 Spouse & Guest Lounge
The Lounge

9:00 – 12:00 **GENERAL SESSION I**
Crystal Ballroom *Opening Remarks*
 Jeff Theerman
 NACWA President
 Executive Director
 Metropolitan St. Louis Sewer District
 St. Louis, MO

Welcoming Remarks
The Honorable Romney Rogers
Vice Mayor
City of Ft. Lauderdale
Ft. Lauderdale, FL

Conference Keynote

The Regulatory Forecast for Wet Weather and Collection Systems

In the last year, the U.S. Environmental Protection Agency (EPA) has dramatically increased its regulatory activity related to wet weather and collection systems. A major rule effort is underway for stormwater, and an announcement is expected soon about initiating a rulemaking on sanitary sewer overflows (SSOs), collection system management, and blending, which may have long-lasting impacts on how clean water agencies operate. Pete Silva, EPA's Assistant Administrator for Water, is invited to present EPA's plans for wet weather regulation, the outlook for finalizing regulatory proposals, and the financial considerations for utilities in dealing with new regulations.

Jim Hanlon

Director, Office of Wastewater Management
Office of Water
U.S. Environmental Protection Agency
Washington, DC

10:00 – 10:15

BREAK

Featured Speaker

Money Matters – Smarter Investment to Advance Clean Water

Communities throughout the nation are facing the costs of repairing and replacing aging infrastructure, while also meeting the array of existing and upcoming regulations related to wet weather flows, nutrients, sewage sludge incinerators, and other aspects of wastewater treatment. NACWA's *Money Matters* campaign seeks to ensure that municipalities have the flexibility to prioritize regulatory compliance initiatives and investments, in a manner that is affordable to ratepayers. Our featured speaker will outline the regulatory, legislative, legal, and public relations initiatives that are being conducted by the *Money Matters* campaign and discuss how NACWA members can help make the case on both the national and local levels for smarter investment in clean water.

Jeff Theerman

NACWA President

Panel Presentation

Prioritized Investment through the Watershed Approach

While NACWA has long advocated for the use of a watershed approach to improve water quality through prioritized infrastructure investments, current regulations usually make it difficult to implement this type of approach. Three case studies will be presented that show how utilities are working to incorporate the watershed approach into their combined sewer overflow (CSO) control programs and wastewater treatment programs. The Massachusetts Water Resources Authority modeled the relative significance of CSO, stormwater, upstream, and nonpoint sources of pollution to cost-effectively target improvements that would provide the greatest benefits. EPA is putting

increased emphasis on strengthening the Total Maximum Daily Load (TMDL) program. The Chesapeake Bay and Lake Champlain TMDLs illustrate the challenges that utilities may face when trying to incorporate facility planning into TMDLs.

Moderator

Charlie Logue

Chair, NACWA Strategic Watershed Task Force
Director of Technical Services
Renewable Water Resources
Greenville, SC

Featured Speakers

Dan Donahue

Senior Vice President
AECOM Water
Atlanta, GA

David Kubiak

Senior Program Manager
Massachusetts Water Resources Authority
Charleston, MA

Adrienne Nemura

Vice President
LimnoTech
Ann Arbor, MI

NACWA Advocacy & the 112th Congress

Ken Kirk

Executive Director
NACWA
Washington, DC

Closing Remarks

Jeff Theerman

NACWA President

Afternoon

12:15 – 2:00

Board of Directors Meeting

Panorama Ballroom B

2:00 – 3:30

GENERAL SESSION I (continued)

Crystal Ballroom

Opening Remarks

Jeff Theerman

NACWA President

Panel Presentation

Stormwater: The New Regulatory Framework

More and more clean water agencies are taking on the added responsibilities of stormwater management and the variety of issues that accompany it. Regulatory requirements regarding stormwater will soon be changing, as EPA is currently working on a new stormwater rule that will have dramatic national implications. If retrofit requirements are included in the new rules, utilities may face enormous expense to comply. Panelists will discuss the upcoming stormwater rule and current and future costs to utilities, as well as the technological advancements for treating stormwater.

Moderator

Kyle Dreyfuss-Wells

Chair, NACWA Stormwater Management Committee
Manager of Watershed Programs
Northeast Ohio Regional Sewer District
Cleveland, OH

Panelists

Connie Bosma

Chief, Municipal Branch
Office of Wastewater Management
Office of Water
U.S. Environmental Protection Agency
Washington, D.C.

Robert Steidel

Chair, NACWA Security & Emergency Preparedness Committee
Deputy Director
City of Richmond Department of Public Utilities
Richmond, VA

Katherine Baer

Senior Director, Clean Water Program
American Rivers
Durham, NC

Jim Courchaine

Regional Principal
National Director-Infrastructure Services
Westin Engineering, Inc.
Avondale, AZ

Closing Remarks

Jeff Theerman

NACWA President

3:45 – 4:45 Security & Emergency Preparedness Committee
Panorama A

3:45 – 4:45 Legal Affairs Committee
Panorama B

Evening
6:00 – 7:30 National Environmental Achievement Awards Ceremony & Reception
Windows on the Green
Ground Level

Thursday, February 3

Morning
7:00 – 4:00 Registration
Crystal Atrium

7:30 – 8:45 Legislative Policy Committee
Panorama Ballroom A

9:00 – 10:00 Spouse & Guest Lounge
The Lounge

9:00 – 12:00 **GENERAL SESSION II**
Crystal Ballroom *Opening Remarks*
 Jeff Theerman
 NACWA President

Featured Speaker

The 12-Step Program for Your Sewer System

In the absence of clear federal guidance for sanitary sewer systems, NACWA collaborated with the Water Environment Federation (WEF), the American Society of Civil Engineers (ASCE), and the American Public Works Association (APWA) to develop the *Core Attributes of Effectively Managed Wastewater Collection Systems*. These core attributes provide guidance for collection system managers to evaluate their existing programs and determine if their systems are performing according to industry good engineering practices, or if their practices that are lacking and need enhancement. Adel Hagekhalil, the driving force behind the development of the core attributes, will provide an overview of the attributes and will also share the City of Los Angeles's experience in implementing these attributes and their great success in reducing sewer overflows and gaining the public's trust.

Adel Hagekhalil
NACWA Board Member
Assistant Director
City of Los Angeles Bureau of Sanitation
Los Angeles, CA

Featured Speaker

The Organizational and Financial Challenges of Infiltration and Inflow

The technical issues of inspecting and fixing sewers, disconnecting illegal connections, and developing fog and root control program and other methods to control infiltration and inflow (I/I) are known, but the difficult part of an I/I program is to develop an organizational structure between satellite and treatment agencies, between public and private organizations, and to jointly work together and finance I/I control. This presentation will describe workshops held on behalf of the Metropolitan Water Reclamation District of Greater Chicago to the 126 satellite sewer communities in the District service area, including the process used in the workshops, the information provided during the workshops, and some of the feedback obtained during the breakout sessions.

Michele Pla
Senior Project Manager
EPC Consultants, Inc.
Oakland, CA

10:15 – 10:30

BREAK

Panel Presentation

The Public and Private Sides of Infiltration and Inflow

Infiltration and inflow (I/I) from both public collection systems and private laterals can be a significant source of wet weather flows to wastewater treatment facilities. Clean water agencies can be challenged to find feasible I/I reduction programs for collection systems, and addressing I/I from private laterals can present even greater political and financial hurdles. Utilities have found a variety of ways to address I/I, including publicly-funded repairs, programs to help homeowners provide the repairs, and local ordinances requiring inspections and upgrades at the point of sale. Panelists will discuss the various options and the benefits and challenges associated with each option.

Moderator

Ted Henifin
General Manager
Hampton Roads Sanitation District
Virginia Beach, VA

Panelists

Andy Lukas

Wet Weather Solutions Leader
Brown and Caldwell
Milwaukee, WI

Mark Surwillo

District Manager
Heart of the Valley Metropolitan Sewerage District
Kaukauna, WI

Ed Nevers

Senior Vice President
Donohue & Associates, Inc.
Sheboygan, WI

Rick van den Dungen Bille

Regional Business Development Director
HomeServe USA
Gloucester, MA

Closing Remarks/Announcements

Jeff Theerman

NACWA President

Afternoon

2:00 – 3:30

Crystal Ballroom

GENERAL SESSION II (continued)

Opening Remarks

Jeff Theerman

NACWA President

Featured Speaker

Square Pegs and Round Holes: State Perspectives on Wet Weather Control and Regulation

The Clean Water Act's (CWA's) Section 402 permitting program is acknowledged as one of the most powerful tools in the statute. Building on its success in controlling traditional point source discharges, Congress expanded the program in 1987, bringing stormwater into the regulatory picture. Now, nearly 25 years later, stormwater runoff remains one of the largest remaining causes of water quality impairment. When the adverse impacts of combined sewer overflows, localized flooding, and collection system releases are added to the picture, "wet weather" presents itself as an area desperate for increased regulation. As a result, EPA is overhauling the stormwater program and is contemplating sanitary sewer system requirements, and nongovernmental organizations continue to sue to add wet weather sources to the 402 program. In light of this landscape, this presentation will discuss several innovative state

approaches to wet weather control and regulation, particularly instances where non-402 type systems are demonstrating their effectiveness.

Alexandra Dapolito Dunn

Executive Director & General Counsel

Association of State & Interstate Water Pollution Control Administrators
Washington, DC

Panel Presentation

Collection Systems – Is a National Rule Needed?

EPA appears poised to develop a comprehensive national rule to address SSOs and collection system management, and the scope of the rule may include management of peak wet weather flows at the treatment works and at peak excess flow treatment facilities (PEFTFs) in the collection system. In the absence of a national policy, some states and utilities that have moved forward with addressing SSOs – such as with capacity, management, operation, and maintenance (CMOM) programs – and their experiences can help inform the development of a comprehensive rule. Panelists will explore the possibilities for regulating SSOs under the Clean Water Act, the experiences of different states in controlling overflows, and treatment technologies that can be used to treat wet weather flows and avoid overflows.

Moderator

Jamie Samons

Chair, NACWA Communications and Public Relations Committee

Public Affairs Manager

Narragansett Bay Commission

Providence, RI

Panelists

Pat Bradley

Senior Scientist

LimnoTech

Washington, DC

Matt Bond

Associate Vice President and Client Services Manager

Black & Veatch

Kansas City, MO

3:45 – 4:45

Panorama B

Utility Management Committee

Evening

6:00 – 7:30

Pier Top

17th Floor

Reception

Friday, February 4

Morning

8:00 – 10:00

Crystal Atrium

Registration

9:00 – 11:15

Crystal Ballroom

GENERAL SESSION III

Opening Remarks

Jeff Theerman

NACWA President

Panel Presentation

Making Wet Weather Solutions Affordable

Wet weather overflows continue to be a top enforcement priority for EPA, and many clean water agencies are struggling to find solutions for SSOs and CSOs that are affordable for their communities. With utilities required to make large investments to reduce CSOs and to meet many other regulatory requirements, there is a clear need for EPA to update its financial capability assessment guidance. Factors other than a percentage of household income must be considered, including the socioeconomic status of residents, unemployment rates, ratio of residents on fixed incomes, and future population and demographic shifts. Panelists will discuss possible revisions to EPA's financial capability assessment methodology and present strategies used by some utilities to work around EPA's outdated guidance. Innovative and cost-effective methods for CSO and SSO control will also be presented, as well as experiences with obtaining major rate increase approvals.

Moderator

Mike McGlinchy

Public Utilities Bureau Manager

City of Akron Public Utilities Bureau

Akron, OH

Panelists

Eric Rothstein

Principal

Galardi Rothstein Group

Chicago, IL

Kellie Rotunno

Director of Engineering & Construction

Northeast Ohio Regional Sewer District

Cleveland, OH

Carrie Noteboom

Senior Counsel

New York City Law Department

Flushing, NY

Panel Presentation

Can Green Infrastructure Grow into a Viable Solution?

Utilities nationwide continue to investigate green infrastructure as an alternative to traditional gray infrastructure, but regulatory acceptance of green infrastructure prevents its more widespread use. Technical and legal questions must also be considered before all of the potential benefits of green infrastructure can be realized. Does green infrastructure really provide cost-effective benefits compared to traditional infrastructure? How well will green infrastructure perform over time? Who will be responsible for maintaining green infrastructure, particularly when it is located on private property? Using the Philadelphia Water Department's green infrastructure programs as a case study, the panelists will explore the answers to these questions and examine what needs to be done to increase the regulatory credit given for green infrastructure.

Moderator

Peter Ruffier

Director of Regulatory Affairs
Clean Water Services
Hillsboro, OR

Panelists

Mark Maimone

Vice President
Camp Dresser & McKee, Inc.
Woodbury, NY

Craig Murray

Vice President
Malcolm Pirnie, Inc.
Philadelphia, PA

Closing Remarks/Adjourn

Jeff Theerman

NACWA President