



2011 National Pretreatment and Pollution Prevention Workshop

Meeting Pretreatment Challenges, Old & New

May 18-20, 2011
St. Louis Union Station Marriott
St. Louis, Missouri

All rooms are on the First Floor Garden Section of the
St. Louis Union Station Marriott unless otherwise noted.

Wednesday, May 18

Morning

8:00 – 4:00 Registration

Foyer A

9:00 – 12:15

*Grand Ballroom
A/B/C*

GENERAL SESSION I

Opening Remarks

Theresa Pfeifer

Chair, NACWA Pretreatment and Pollution Prevention Committee

Regulatory Compliance Officer

Metro Wastewater Reclamation District

Denver, CO

Welcoming Remarks

Jeff Theerman

NACWA President

Executive Director

Metropolitan St. Louis Sewer District

St. Louis, MO

Panel Presentation –

National Pretreatment Program Update

U.S. Environmental Protection Agency (EPA) Headquarters staff will update Workshop attendees on several national issues affecting the pretreatment program. Details about EPA's efforts to increase the education of pretreatment professionals and development of pretreatment resources will be provided.

Information will be given about monitoring and research related to contaminants of emerging concern and potential effects for publicly owned treatment works (POTWs). The impacts of POTW acceptance of hydraulic fracturing wastewater has recently received increased media attention and legal action is being taken against several POTWs, and EPA will provide the latest regulatory information related to this issue. The latest effluent guidelines plan will also be discussed.

Moderator:

Theresa Pfeifer

Chair, NACWA Pretreatment and Pollution Prevention Committee

Panelists:

Marcus Zobrist

Chief, Industrial Branch

Water Permits Division, Office of Wastewater Management

Office of Water

U.S. Environmental Protection Agency

Washington, DC

Jan Marie Pickrel

National Pretreatment Team Coordinator

Water Permits Division, Office of Wastewater Management

Office of Water

U.S. Environmental Protection Agency

Washington, DC

Carey Johnston

Environmental Engineer

Engineering and Analysis Division, Office of Science and Technology

Office of Water

U.S. Environmental Protection Agency

Washington, DC

10:30 – 10:45

Break

Panel Discussion –

Filling in the Holes of the Dental Amalgam Separator Rule

EPA announced last year that it was beginning an effluent guideline rulemaking to reduce mercury discharges from dental facilities, the main source of mercury entering POTWs. EPA is focusing its technology assessment on amalgam separators, and the rule will likely establish requirements for amalgam separator installation at dental facilities as pretreatment standards. With approximately 120,000 dental offices across the country, the potential burden on POTWs and states for enforcing these standards is huge. Panelists will discuss these burdens and potential ways to reduce them, such as the use of best management practices rather than numeric limits and the use of the non-

significant categorical industrial user provision of the Pretreatment Streamlining Rule.

Moderator/Speaker:

Martie Groome
Vice Chair, NACWA Pretreatment and Pollution Prevention Committee
Laboratory and Industrial Waste Supervisor
City of Greensboro Water Resources Department
Greensboro, NC

Panelists:

Justin Pimpare
Pretreatment Coordinator
U.S. Environmental Protection Agency, Region 1
Boston, MA

Jeff Troupe
Legislative Liaison
American Dental Association
Chicago, IL

Al Garcia
Pretreatment Coordinator
U.S. Environmental Protection Agency, Region 8
Denver, CO

Kerry Britt
Pretreatment Manager
Narragansett Bay Commission
Providence, RI

Afternoon

12:15 – 1:15

Lunch (on your own)

1:30 – 3:00

*Grand Ballroom
A/B/C*

GENERAL SESSION I (continued)

Opening Remarks

Martie Groome
Vice Chair, NACWA Pretreatment and Pollution Prevention Committee

Panel Discussion –

To Flush or Not to Flush: The Question of Unused Pharmaceutical Disposal
Concerns about pharmaceuticals in the nation's waters continue to be raised, and programs encouraging the safe disposal of unused pharmaceuticals are receiving national attention as a method of reducing pharmaceuticals in the environment and protecting human health. This panel will include a presentation by EPA on its *Best Management Practices for Unused Pharmaceuticals at Health Care Facilities*, developed as a result of its detailed study of the health services industry for the Effluent Guidelines Program. Panelists will also

discuss the Secure and Responsible Drug Disposal Act of 2010 that may make drug take-back programs more common by easing restrictions in the Controlled Substances Act, and the Product Stewardship Institute's project – supported in part by NACWA – to establish recommendations for the safe disposal of pharmaceuticals.

Moderator:

James Baginski
Regulatory Control Branch Head
City & County of Honolulu
Department of Environmental Services
Kapolei, HI

Panelists:

Scott Collier
Diversion Program Manager
Office of Diversion Control, St. Louis Division
U.S. Department of Justice
St. Louis, MO

Dave Galvin
Hazardous Waste Program Manager
King County Department of Natural Resources and Parks
Seattle, WA

Amy Tiemeier
Associate Director of Experiential Education
Assistant Professor of Pharmacy Practice
St. Louis College of Pharmacy
St. Louis, MO

Carey Johnston
U.S. Environmental Protection Agency

Announcements

Martie Groome
Vice Chair, NACWA Pretreatment and Pollution Prevention Committee

3:00 – 5:00

EPA Regional Roundtable Discussions

The Regional Roundtable session provides an opportunity for EPA, state, and municipal workshop participants to discuss priority issues in each EPA Region. Regional EPA officials will be on hand to take your questions.

NOTE: Breakout room assignments for specific region discussions will be announced before the session.

Region 1

Justin Pimpare
U.S. Environmental Protection Agency, Region 1

Kerry Britt
Narragansett Bay Commission

Region 2

Virginia Wong
Pretreatment Coordinator
U.S. Environmental Protection Agency, Region 2
New York, NY

Christine Gasparine
Industrial Pretreatment Operations Manager
Hanover Sewerage Authority
Whippany, NJ

Region 3

Ron Johnson
Chief of Pretreatment & Pollution Prevention
Hampton Roads Sanitation District
Virginia Beach, VA

Region 4

Jon van Hoff
Industrial Pretreatment Coordinator
Metropolitan Sewerage District of Buncombe County
Asheville, NC

Region 5

Ash Sajjad
Pretreatment Coordinator
U.S. Environmental Protection Agency, Region 5
Chicago, IL

Ralph Erickson
Pretreatment Coordinator
Madison Metropolitan Sewerage District
Madison, WI

Regions 6 and 7

Paul Marshall
Pretreatment Coordinator
U.S. Environmental Protection Agency, Region 7
Kansas City, KS

Doug Mendoza
Metropolitan St. Louis Sewer District
Industrial Pretreatment Manager
St. Louis, MO

Region 8

Al Garcia
U.S. Environmental Protection Agency, Region 8

Theresa Pfeifer
Chair, NACWA Pretreatment and Pollution Prevention Committee

Region 9

Paul Schmidtbauer
Industrial Waste Administrator
South Orange County Wastewater Authority
Dana Point, CA

Region 10

Clayton Brown
Source Control Manager
Clean Water Services
Hillsboro, OR

Evening

6:00 – 7:00

Reception

Grand Hall

Head House

Conference Center

Thursday, May 19

Morning

8:00 – 4:00

Registration

Foyer C

9:00 – 12:00

GENERAL SESSION II

Grand Ballroom

Opening Remarks

A/B/C

Theresa Pfeifer

Chair, NACWA Pretreatment and Pollution Prevention Committee

Featured Speaker

This BERS for You: Bio-Energy Recovery System at Anheuser-Busch Breweries
Anheuser-Busch InBev breweries use a bio-energy recovery system (BERS) to treat their waste, lowering biological oxygen demand and recovering methane for fuel. Use of the BERS system has resulted in positive environmental impacts and cost savings for the breweries. Anheuser-Busch InBev will discuss how their system works and its benefits, and the challenges faced with retrofitting existing breweries to use BERS.

Thea Cummings
Wastewater Specialist
Anheuser-Busch InBev
St. Louis, MO

Panel Presentation –

The Growing Utility Appetite for Food Waste

With over 30 million tons of food waste sent to landfills each year, POTWs are discovering how to turn this abundant waste into an important resource by using it in specific parts of the wastewater treatment process. Panelists will provide case studies on how utilities can use food waste in anaerobic digestion to increase methane production, including an innovative program at the East Bay Municipal Utility District that uses post-consumer food waste.

Moderator:

Clayton Brown
Clean Water Services

Panelists:

Andy Bohner
Project Manager
HDR HydroQual
Mawah, NJ

Michael Keleman
Environmental Engineer
InSinkErator
Racine, WI

Sophia Skoda
Program Manager
East Bay Municipal Utility District
Oakland, CA

10:45 – 11:00

Break

11:00 – 12:00

Pretreatment Issues Roundtable Discussions – Round 1

This session will provide an opportunity for Workshop participants to network with other pretreatment professionals and discuss issues affecting their programs and potential solutions.

NOTE: Breakout room assignments for specific issue discussions will be announced before the session.

Afternoon

12:00 – 1:15

Lunch (on your own)

1:30 – 3:00
Grand Ballroom
A/B/C

GENERAL SESSION II (continued)

Opening Remarks

Martie Groome

Vice Chair, NACWA Pretreatment and Pollution Prevention Committee

Panel Presentation –

Do the Little Things in Wastewater Mean a Lot?

The Latest in Contaminant Research

Research into emerging contaminants is increasing our understanding of the environmental impacts of these chemicals and their impacts on the wastewater treatment process. Recent research has shown that silver nanoparticles, which are used in consumer products as an antimicrobial, can impact the bacteria used in wastewater treatment. Another popular antimicrobial, triclosan, is frequently found in soaps and detergents – and in biosolids. Presenters will discuss the latest research into these two antimicrobials, as well as the results of extensive effluent sampling in Oregon for “priority persistent pollutants.”

Moderator/Presenter:

Curtis Barton

Source Control Coordinator

Water Environment Services of Clackamas

Oregon City, OR

Panelists:

Zhiqiang “Zack” Hu

Assistant Professor

Civil and Environmental Engineering

University of Missouri-Columbia

Columbia, MO

Rolf Halden

Associate Professor

School of Sustainable Engineering and the Built Environment

Arizona State University

Tempe, AZ

Announcements

Martie Groome

Vice Chair, NACWA Pretreatment and Pollution Prevention Committee

2:45 – 3:00

Break

3:00 – 4:00

Pretreatment Issues Roundtable Discussions – Round 2

This session will provide an opportunity for Workshop participants to network with other pretreatment professionals and discuss issues affecting their programs and potential solutions.

NOTE: Breakout room assignments for specific issue discussions will be announced before the session.

4:15 – 5:45
*Frisco/Burlington
Head House
Conference Center*

NACWA Pretreatment and Pollution Prevention Committee Meeting

Evening
6:00 – 7:00
*Midway Atrium
Head House
Conference Center*

Reception

Friday, May 20

Morning
8:00 – 10:00
Foyer A

Registration

9:00 – 11:15
*Grand Ballroom
A/B/C*

GENERAL SESSION III
Opening Remarks
Theresa Pfeifer
Chair, NACWA Pretreatment and Pollution Prevention Committee

Featured Speaker –

Regional Mercury Reduction – A Case Study of the San Francisco Bay Area
The San Francisco Bay Area has a regional mercury TMDL and watershed permit for its 39 municipal wastewater dischargers. Under this shared permit, the region-wide effort to reduce mercury discharges are evaluated by the percent of dental offices that participate in their local source control program and the estimated discharges of mercury that these source control programs prevent. Stephanie Hughes will present the single regional method to respond to these quantitative requirements, including a survey of discharges and systematic mass balance.

Stephanie Hughes
Consulting Engineer
Lecturer, Santa Clara University
Santa Clara, CA

Tim Potter
Environmental Compliance Superintendent
Central Contra Costa Sanitary District
Martinez, CA

Featured Speaker –

Investing in FOG Futures: Trends in Regulation and Treatment

Because fats, oils, and greases (FOG) can be a major cause of combined and sanitary sewer overflows, the stakes are high for utilities to minimize the discharge of FOG into the sewer system. Establishing an effective FOG program can be a challenge, due in part to the many entities involved with FOG-related issues, including plumbing fixture specifications, health departments, restaurants, and equipment vendors. Wayne Ludwig will present the latest progress in FOG programs, including standard grease abatement device (GAD) nomenclature, GAD performance levels, effects of small dairy-based food service establishments, partnering with school systems, and the potential benefits from a regionalized approach to FOG management that crosses jurisdictional boundaries – the “FOG Alliance.”

Wayne Ludwig
FOG Unit Coordinator
Regulatory Services Group
Washington Suburban Sanitary Commission
Laurel, MD

Panel Presentation –

Pretreatment Investigations: Gathering Info and Making a Case

Pretreatment professionals are sometimes called upon to solve wastewater mysteries and determine the source of a problem. Case studies will be presented that show how an investigation can be conducted and a problem solved through careful analysis of the problem, proper sampling and testing, and creative thinking.

Moderator:

Anne Zulka
Pretreatment Compliance Specialist
Special Services Division
Austin Water Utility
Austin, TX

Panelists:

Tim Potter
Central Contra Costa Sanitary District

Alan Aplin
Senior Environmental Specialist
City of Tacoma Public Works Department
Tacoma, WA

Closing Remarks

Theresa Pfeifer
Chair, NACWA Pretreatment and Pollution Prevention Committee