



2019 National Pretreatment & Pollution Prevention Workshop + Training

May 14 -17, 2019

Hotel Murano
Tacoma, WA

Agenda

(Current as of March 22, 2019)

Tuesday, May 14

7:30 – 4:00 Registration

7:30 – 9:00 Continental Breakfast

8:00 – 5:00 **TRAINING COURSE: Pretreatment 101 – Introduction to the Pretreatment Program for Wastewater Utilities**

This optional, full-day training course is geared toward pretreatment professionals in the first few years of their pretreatment careers. Please see www.nacwa.org/19pretit for additional information about this course.

Separate registration is required for the training course.

8:00 – 5:00 **TRAINING COURSE: Advanced Local Limits**

This optional, full-day training course will provide an in-depth focus on local limits, answering all the “who, what, when, where, why, and how” questions about local limits. Please see www.nacwa.org/19pretat for additional information about this course.

Separate registration is required for the training course.

8:00 – 5:00 **TRAINING COURSE: Industrial Sampling and Quality Control**

This optional, full-day training course will provide a focus on wastewater sampling and monitoring associated with Industrial Pretreatment Program compliance, with additional discussion focused on quality assurance, ethics, and how the data is utilized. Please see <http://www.nacwa.org/19pretist> for additional information about this course.

Separate registration is required for the training course.

8:00 – 5:00 **TRAINING COURSE: Improving Your FOG Program**

This optional, full-day training course will provide insight into why FOG programs are such a critical part of a pretreatment program and the tools to identify and understand problems and make improvements. Please see

<http://www.nacwa.org/19pretfog> for additional information about this course. ***Separate registration is required for the training course.***

Wednesday, May 15

6:30

Morning Run/Walk through Tacoma

Join fellow *Workshop* participants for an hour of exercise to begin your day. Runners and walkers of all levels are invited – we will divide into groups of different paces. Rain or shine.

7:30 – 12:00

Registration

9:00 – 9:15

Introductory Remarks

Frank Dick

Chair, Pretreatment and Pollution Prevention Committee

Sewer and Wastewater Engineering Supervisor

City of Vancouver, Department of Public Works

Vancouver, WA

Opening Remarks

Adam Krantz

Chief Executive Officer

National Association of Clean Water Agencies

Washington, DC

9:15 – 10:30

National Pretreatment Program Update

US Environmental Protection Agency (EPA) Headquarters staff will update Workshop attendees on several national issues affecting the pretreatment program. The latest Effluent Limitation Guidelines (ELG) Program plan will be discussed, including the study that EPA is conducting for the Electronics & Electrical Components category and the study on the holistic management of oil and gas extraction wastewater from onshore facilities. Other topics will include e-reporting and updates to guidance documents and pretreatment program manuals.

Jan Marie Pickrel

National Pretreatment Team Coordinator

Water Permits Division, Office of Wastewater Management

Office of Water

US Environmental Protection Agency

Washington, DC

Jan Matuszko (INVITED)

Branch Chief, Engineering & Analytical Support Branch

Engineering & Analysis Division

Office of Water

US Environmental Protection Agency

Washington, DC

10:30 – 10:45

Break

10:45 – 11:45

Drilling into the Dental Amalgam Rule Requirements

Full implementation of the Dental Amalgam Rule is just around the corner, with compliance for existing dental offices will be required by June 2020. The responsibilities for pretreatment programs to oversee dental office compliance are different than for other pretreatment standards, but these responsibilities are still not clear. This panel will discuss the requirements of the rule and the clarifications sought about the expectations of EPA, the EPA Regions, and states for local pretreatment program implementation of the rule.

11:45 – 1:15

Lunch (on your own or optional networking lunch)

Whether you are attending the *Workshop* for the first time or are a repeat attendee, the optional networking lunch will be a chance to get to know some new people and share conversation over lunch. After registering for the *Workshop*, you will receive an email asking for a few pieces of information from you if you would like to be included in a networking group. We will assign you to a small group and provide a list of nearby restaurants. Each participant will be responsible for paying for their own lunch.

1:15 – 4:00

Registration

1:45 – 1:50

Opening Remarks

Kerry Britt

Vice Chair, Pretreatment and Pollution Prevention Committee

1:50 – 3:00

Will PFAS Become a Pretreatment Issue?

The class of chemicals known as per- and poly-fluoroalkyl substances, or PFAS, are becoming a household name as the media pays more attention to their presence in groundwater and drinking water. Although much of the PFAS may come from legacy sources, pretreatment programs may be asked to do more to regulate PFAS from any potential industry sources. This session will cover the latest developments about the regulation of PFAS and how utilities are responding to concerns about these chemicals.

Stephen Kuplicki

Manager-Operations – Industrial Waste Control and Analytical
Laboratory
Great Lakes Water Authority
Detroit, MI

3:00 – 3:30

Wipes: Moving Beyond the Tip of the Fatberg

Flushed wipes are a major component of fatbergs, and over the past five years, NACWA and other wastewater associations have worked extensively on flushability and labeling specifications for wipes. Legislation is now necessary to make these specifications a requirement for all wipes, and public education on what can be flushed is still a vital part of addressing fatbergs and other problems caused by flushed consumer products. This session will provide an update on the work on wipes and how additional progress can be made.

Frank Dick

Chair, Pretreatment and Pollution Prevention Committee

Cynthia Finley
Director, Regulatory Affairs
National Association of Clean Water Agencies
Washington, DC

3:45 – 5:15 **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 and experts will be on hand to take your questions.

6:00 – 7:00 **Reception**
This complimentary reception is open to all *Workshop* participants. If inclement weather, please note the reception will be moved inside.

Thursday, May 16

6:30 **Morning Run/Walk through Tacoma**
Join fellow *Workshop* participants for another hour of running or walking through Tacoma. Rain or shine.

8:00 – 12:00 **Registration**

8:30 – 9:30 **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. Tables will be labeled with a topic of discussion, and workshop participants should sit at the table of their choice. Pretreatment issues for discussion will include the following:

- Best Management Practices & Site-Specific Limits
- Effluent Guidelines with Jan Matuszko, EPA
- Enforcement Response Plans
- Fats, Oils & Greases (FOG)
- Centralized Waste Treatment Facilities
- Pollution Prevention & Source Control
- Mercury Minimization & Dental Amalgam Programs
- Microplastics & Other Emerging Contaminants
- Local Limits Development and Enforcement
- Indirect/Direct Potable Reuse
- Hauled Wastes
- Microbreweries, Craft Distilleries & Wineries
- Zero Discharge & Non-Significant Categorical Industrial Users
- Extra Strength Surcharges
- Enforcement & Awards Programs

9:30 – 9:45 **Break**

9:45 – 9:50 **Opening Remarks**
Frank Dick
Chair, Pretreatment and Pollution Prevention Committee

9:50 – 10:45

Pretreatment Goes to Pot: Regulating the Marijuana Industry

Most states now have some form of legalized marijuana use, whether for medicinal or recreational purposes, and more states are expected to begin or expand the legal use of marijuana. Pretreatment programs must be aware of the potential impacts from this increased marijuana use and the discharges to the sewer system from the growth, processing, and use of the drug. Speakers will discuss their experiences with regulating all aspects of the marijuana industry and provide their recommendations for other programs.

10:45 – 11:45

Bio-Cremation: RIP In the Sewer?

The use of alkaline hydrolysis, commonly known as bio-cremation, to dispose of human remains is becoming more widely accepted, with the number of states legalizing it continually increasing. It is often seen as a “green” alternative to traditional cremation, since it requires less energy and results in fewer air pollutants. However, pretreatment programs must consider potential impacts since the remaining liquid may be disposed of via the sewer system. During this session, the bio-cremation process will be explained and the pretreatment considerations will be discussed.

Rachel Wall

Environmental Specialist

Pollution Prevention Services

City of Portland, Bureau of Environmental Services

Portland, OR

11:45 – 1:30

Lunch (on your own or optional networking lunch)

As on Wednesday, *Workshop* participants will have the option to be assigned to a small group for a networking lunch.

1:30 – 3:45

Registration

1:45 – 1:50

Opening Remarks

Kerry Britt

Vice Chair, Pretreatment and Pollution Prevention Committee

1:50 – 3:30

Focus on FOG

Fats, oils, and greases (FOG) can wreak havoc on a sewer system despite a utility’s best efforts to keep FOG out of their system. This panel will present innovative and practical ways that utilities can improve FOG control compliance of food service establishments. The panel will also provide examples of how utilities can improve their own efficiency in this process by improving their methods of data collection and data management.

David McNeil

Founder & Chief Executive Officer

BlueBridge

Phoenix, AZ

Clayton Brown
Program Manager
Western States Alliance
Seattle, WA

Ken Loucks
Principal - Member
IW Consulting Service
Vancouver, WA

Michael O'Dwyer
Chief Executive Officer
SwiftComply
Pleasanton, CA

3:45 – 5:15 **Pretreatment and Pollution Prevention Committee Meeting**
All *Workshop* participants are invited to attend this meeting, whether or not they are members of the Committee.

6:00 – 7:00 **Reception**
This complimentary reception is open to all *Workshop* participants.

Friday, May 18

6:30 **Morning Run through Tacoma**
Join fellow *Workshop* participants for a final hour of running or walking through Tacoma. Rain or shine.

8:00 – 10:00 **Registration**

8:30 – 9:30 **Pretreatment Issues Roundtable Discussions – Round 2**
Using the same format as the roundtable session on Thursday morning, this second roundtable will provide an additional opportunity for *Workshop* participants to choose a pretreatment issue to discuss with other pretreatment professionals. Tables will be labeled with a topic of discussion, and *Workshop* participants should sit at the table of their choice.

9:30 – 9:45 **Networking Break**

9:45 – 9:50 **Opening Remarks**
Frank Dick
Chair, Pretreatment and Pollution Prevention Committee

9:50 – 10:35 **Nanoparticles in Wastewater: Sources, Detection, Removal, and Implications**
The applications of nanomaterials in a variety of products and processes continue to increase, which means that the amount and type of nanomaterials in wastewater is also likely to increase. Should this be a cause of concern for wastewater utilities and their pretreatment programs? What are the primary

sources of nanoparticles, and how can these particles be detected and removed? These questions will be addressed by Dr. Paul Westerhoff, who has conducted extensive research on the fate of nanomaterials in water and on water treatment technologies.

Paul Westerhoff

Vice Dean for Research and Innovation
Ira A. Fulton Schools of Engineering
Arizona State University
Tempe, AZ

10:35 – 11:25

Pretreatment Programs Reaching Peak Performance

Every pretreatment program can benefit from evaluating its current practices and procedures and thinking about changes that could be made to bring the

11:25 – 11:30

Closing Remarks

Frank Dick

Chair, Pretreatment and Pollution Prevention Committee