



05/11/2022

OESAC / CEU Committee
P.O. Box 577
Canby, OR 97013-0577

Dear CEU Committee:

As has been the case for past 28 years, the Western States Alliance (WSA), FOG Forum has brought together municipal, state, and federal wastewater and pretreatment staff from cities in Oregon, Idaho, Washington, and Alaska. The attendees (approximately 150) are mostly municipal employees responsible for administering Industrial Pretreatment Programs under 40 CFR 403. Under this program, pretreatment staff administer and enforce industrial discharge permits, monitor industrial discharges, develop local limits and implement other programs as needed to protect the publicly owned treatment plants, collection system, and workers.

This year, the FOG Forum is applying for 16 hours of Wastewater and Collection System CEU's with the Oregon Environmental Services Advisory Council (OESAC). The 2022 FOG Forum will be held as a virtual training event as a four part webinar series on May 25th & 26th through June 1st & June 2nd 2022, 4 hours per day, total 1.6 CEU's. The following is a brief outline of the presentations for the FOG Forum and course timelines:

WESTERN STATES ALLIANCE FOG FORUM 2022
Virtual- Wednesday May 25 and Thursday June 2, 2022
9:00 A.M. – 1:00P.M.

Agenda and Summary of Key Topics to be Covered in Presentations

Wednesday, May 25

8:00 – 8:15 Welcome and introduction to the conference and agenda, **Ed Gonzalez**, Executive Director, Western States Alliance, Seattle, WA. He has 20 years of experience working in the environmental and health fields, managing programs/projects in the states of Texas, New Mexico, Nevada, California, and now Washington. Ed holds a BA in Political Science from the University of Texas at El Paso. While working as Program Manager at University of Texas at El Paso, Ed's project work included: wetland restoration; providing access to potable water and health care for impoverished families in Juarez, Mexico; the introduction of green building concepts to local builders; and the management of the Southwest Pollution Prevention Resource Center. Ed has also served as the Program Director of the Western Sustainability and Pollution Prevention Network (WSPPN), a cooperative alliance of pollution prevention (P2) programs throughout EPA Region 9, which is based out of the University of Nevada, Reno. (0.25Hr)

8:15 – 9:15 *Modern trends in FOG Program Management Regulation*, **Ken Loucks**, known as the Interceptor Whisperer. He has a knack for understanding grease interceptors and has spent more than 10 years learning how they work, how they have evolved over time and how to effectively manage them in fats, oils and grease (FOG) pretreatment programs. His experience in the plumbing industry goes back to 1989 beginning with his first job in wholesale distribution, then later as a manufacturer's representative, and finally directly for manufacturing. For the past several years he has worked specifically on codes, standards, ordinances, bylaws and policies as they affect commercial grease interceptors across the United States and Canada. (1.00 hr)

9:15 – 10:00 IAPMO and FOG related issues, **Jed Scheuermann**, Program Director, IAPMO
Master plumber with over 40 years' experience, Bachelor (Education) and Instructor of Pipe Trades Certificate. Jed's passion is to effectively share trade knowledge, and he believes that access to safe drinking water and adequate sanitation are basic human rights that much of the world lacks. (0.75 hr)

11:00 – 11:30 *Using Clean Water State Revolving Fund (CWSRF) and Sewer Overflow and Stormwater Reuse Municipal Grants (OSG) Assistance to Address Sanitary Sewer Overflows (SSOs)*, **Michael Goralczyk**, Clean Water SRF Team, EPA HQ (0.50 hr)

11:30 – 12:00 Removing FOG from the Wastestream, **Angela Walker**, Brunswick and Glynn County Joint Water and Sewer Commission

This topic will be of interest to the target audience because it reminds water professionals about the value of the work they do and how they can be better water stewards.

- How do humans negatively affect the environment?
- How do humans threaten clean water sources?
- Is human existence in jeopardy because of water pollution?
- What is the role of the FOG Inspector/Manager in all of this?
- What is my role @ the BGJWSC? (0.50hr)

12:00 – 12:30 Energy Recovery Case Study, **Jacob Cotum**, WWTP FOG Program Coordinator and Engineer 1 at the City of Gresham WWTP. Prior to his current position, Jacob worked as an operator at the WWTP and has first hand knowledge of operating and managing the FOG receiving facility for Gresham. **Case Study: Gresham's FOG Program - From Vector Truck to Energy Recovery:** Fats, Oils, and Grease (FOG) are problematic and pervasive constituents in wastewater collection and treatment systems. The City of Gresham has instituted a program to keep FOG out of the collection and liquid treatment systems and beneficially utilize the FOG for increased energy production at the treatment plant. Since 2012, the Gresham WWTP has been accepting FOG at its FOG Receiving Facility. In 2015, the WWTP attained Electrical Net-Zero status and has averaged zero utility import since. This presentation will review the history of the FOG program at Gresham with emphasis on the treatment plant's phased approach on the road to Electrical Net-Zero status. (0.5 hr)

12:30 – 1:00 Greasezilla, **Brian Levine**, Greasezilla, Greasezilla is a turn-key system to separate FOG from grease trap waste and remove more than 99% of the water, creating high-quality biofuel. It runs on its own fuel. It is an ecological alternative to chemically treating, lagooning, landfilling, incineration, or dumping FOG waste. This system will be explained during this presentation. (0.50 hr)

Thursday, May 26

8:00 – 8:40 FOG Data management system, **Sam Mcleod**, Director of Compliance for FOG BMP Software. Sam focuses on working with local governments, waste haulers, and corporate restaurant chains by offering expertise in the area of fats, oils, and grease (FOG) compliance to environmental and plumbing code requirements. Before joining FOG BMP Software, Sam served as Vice President of EPAS and Plumbing Division Business Unit Manager at NSF International. He has experience in the fields of grease trap testing/certification, grease trap research/development, wastewater consulting, plumbing codes/standards, and environmental compliance. Sam holds both a Bachelor of Science degree and a Masters of Science degree concentrated on the fields of Engineering and Environmental Studies. (0.40hr)

8:40 – 9:20 FOG *Data management system*, **Michael O'Dwyer**, CEO and founder of SwiftComply, a software solution that helps over 450 water & wastewater authorities manage their regulatory programs, specializing in FOG and Backflow programs. Michael previously worked for Dublin City Council in Ireland, where he developed and implemented Dublin's FOG source control program. Michael holds an MBA and a bachelor's degree in Engineering from University College Dublin. (0.40hr)

9:20– 10:05 FOG Data management system, **Eric Larson**, Aquatic Informatics

With data more available than ever, managing data in your FOG program has never been more important. The new solution from Aquatic Informatics, the Aquatic Compliance Platform streamlines and centralizes compliance data for FOG programs.

In our solution walkthrough, attendees will learn how ACP FOG will:

Simplify and centralize FOG compliance management with a timeline of inspection history, pump outs, violations, enforcements, maintenance, and communications

- Save time by eliminating paper and using automatic inspection scheduling, intelligent custom inspection forms, and convenient compliance reporting
- Collaborate with haulers and facilities by collecting digital manifests directly through a dedicated portal to save time and strengthen relationships (0.40 hr)

10:05 – 11:05 FOG program survey & case study on cooperating jurisdictions near St. Louis, **Kim Cloe**, Kim HEC. This presentation will present a case study based on the creation of a FOG program for O'Fallon, Missouri. O'Fallon does not have an existing FOG program but several communities surrounding O'Fallon have some type of a FOG program. Since the county (St. Charles) where O'Fallon is located is experiencing a lot of growth with municipal and sewer districts that interconnect, the City saw an opportunity to collaborate and learn from other FOG Programs. (1.00hr)

11:05 – 12:00 North Central Texas Council of Governments, **Hannah Allen**, North Central Texas Council of Governments. How Jurisdictions Can Work Together: An Overview of North Central Texas's Wastewater Roundtable Program the Wastewater and Treatment Educator Roundtable (WATER) program is an educational partnership in the Dallas Fort Worth Motorplex between the North Central Texas Council of Governments (NCTCOG), municipalizes, and water districts. WATER aims to educate the public on the importance of defending your drains, covering topics such as Fats, Oils, and Grease (FOG), wipes, paper towels, household hazardous waste, and more. Join this session to learn more about WATER's background, educational outreach, and special events that have made this program a goal success. (1.00 hr)

12:00-1:00 FOG Round Table Discussion

Wednesday, June 1

9:00 – 9:30 Grease Interceptors, **Ken Loucks**, Schier, Ken has been in the plumbing and fats, oils and grease (FOG) related industry since 1989 having worked in wholesale distribution, as an agency representing manufacturers and directly for a manufacturer of grease interceptors. For the past decade he has been focused on the plumbing codes, product standards and pretreatment regulations that govern commercial grease interceptors. Ken has given live presentations at workshops and conferences to thousands of people across the US and Canada on various subjects relating to commercial grease interceptors as regulated by plumbing codes, as governed by product standards, and managed by pretreatment programs. (0.50 hr)

9:30 – 10:00 Grease Interceptors, **Tony Cole**, Canplast/Endura In this course we will cover Endura’s high-efficiency hydromechanical grease interceptors, designed to meet some of the most stringent standards for FOG prevention throughout North America. Each Endura Miami-Dade DERM FOG ordinance approved solution is listed to 99% efficiency as per ASME A112.14.3. This product allows designers greater flexibility in accommodating Miami-Dade’s jurisdictional requirements. Endura® Grease Management products have been instrumental in changing the traditional practices regarding the design of grease management solutions. Thermoplastic hydromechanical alternatives to metal and concrete interceptors are being increasingly accepted Nationwide as the new standard for grease management in commercial foodservice applications. (0.50 hr)

10:00 – 10:30 Grease Interceptors, **Seth Markwood**, Thermaco
Liberty University BS and MA Religious Studies, Sales and Marketing Director, Thermaco INC
Seth works to build strategic partnerships, effective customer relations, focuses on training and education. (0.50 hr)

10:30 – 11:00 Grease Interceptors, **TBD**, MIFAB (0.50 hr)

11:00 12:00 Value of Retrofitting all fixtures and drains, **Vincent Chavez**, FOG program Coordinator for Clean Water Services serving approximately 2,300 Food Service establishments (**FSE’s**) in Washington County, Oregon. (1.00 hr) Vince has dedicated the last 23 years to broaden his regulatory experience in all facets of regulatory program development/restructuring from both a private and regulator standpoint. Programs include; Environmental Health, Job site safety, Respiratory safety, OSHA–light duty, and the last eight years developing a multifaceted FOG program while interacting with other municipalities within the US. (1.00 hr)

12:00 – 1:00 Regulating and Inspecting Food Vendors, **Sharon Spires**, Plant City, 20 + years in the waste water field, industrial and municipal programs. Implementing FOG management at food truck rallies. Getting started, who should be involved, what are some challenges what about solutions tracking the data. Experienced in both industrial manufacturing as well as regulation of those facilities including spill response and reporting requirements. Environmental education on the corporate level as well as public outreach and spill response, both public and private. (1.00 hr)

Thursday, June 2

9:00 – 10:00 Instructional videos and WSA resources, **Mikey Strauhal**, WSA/PPRC Western States Alliance website contains important and useful resources for FOG professionals. The content includes videos on Triaging FOG Inspections, a primer on establishing a FOG Abatement program, and a video on starting a preferred pumper program. These resources will be reviewed and their importance and usefulness highlighted. (1.00 hr)

10:00 – 11:00 FOG from Mobile Food Trucks, **Jill Hoyenga**, City of The Dalles The City of The Dalles, like many other jurisdictions, has had FOG enforcement challenges from mobile food vendors. Mobile food vendors have become a popular for small business entrepreneurs and foodies alike. But all too often the aroma of mouthwatering cuisine can be overwhelmed by the miasma stench of improper FOG and wastewater disposal. The word *miasma* comes from ancient Greek and means 'pollution'. (1.00 hr)

11:00 – 11:30 FOG program case study, TBD, City of Houston (0.50 hr)

11:30 – 12:00 Removal of FOG from vent hoods/filter exchange, Filtershine Looking up FOG created by cooking, depositing in the exhaust system filters, duct work and fans. How these components are cleaned and where is the FOG going. Closing the loop, the disconnect between fire and safety and health and environment. (0.50 hr)

12:00 – 1:00 Wipes that aren't flushable (1.00 hr)

On behalf of the Western States Alliance (WASA), the FOG Forum Planning Committee would like to extend our sincere appreciation for taking the time to make our workshop a great success. For more information about our workshop, please visit our website at [Western States Alliance – A Project of pprc.org](https://www.westernstatesalliance.org/).

It is at this time that the 2022 FOG Forum Planning Committee would like to ask that you consider the 2022 2022 FOG Forum eligibility for 1.6 CEU's. We are offering 16 hours of instruction and have paid the \$135.00 application fee online.

If there are any questions about the FOG Forum, please contact Patrick Bryan at (559) 940-5270 or at pbryan@pprc.org. Thank you again.

Sincerely,



Patrick Bryan, PNPW Planning

**Committee Attached: Registration SAMPLE
Speaker Biography Compilation**

Seth Markwood Bio

Liberty University BS and MA Religious Studies

Sales and Marketing Director, Thermaco INC

Seth works to build strategic partnerships, effective customer relations, and focuses on training and education.

Sam McLeod Bio

Samuel Mcleod is the director of compliance for FOG BMP Software. Mcleod focuses on working with municipalities and pretreatment programs throughout the U.S. by offering expertise in the area of fats, oils and grease compliance to environmental and plumbing code requirements. Before joining FOG BMP Software, Mcleod served as vice president of EPAS and as Plumbing Division business unit manager of NSF International. He has experience in the fields of grease trap testing/certification, grease trap research/development, wastewater consulting, plumbing codes/standards and environmental compliance. Mcleod holds both a Bachelor of Science degree and Master of Science degree concentrated on the fields of engineering and environmental studies.

Michael O'Dwyer

Michael has a Bachelor's degree in engineering and a Master's in Business Administration, and was tasked with launching Europe's first Fat, Oil and Grease management program in Dublin over a decade ago. Dissatisfied with existing management solutions, Michael developed an entirely new platform to eliminate fatbergs. Originally from Ireland, Michael now lives in Pleasanton, California with his wife Rosalie and their daughter Sophie-Rose.



INTERCEPTOR WHISPERER

Consulting Service, LLC

Fats, oils and Grease (FOG) Program Development Assistance

Ken Loucks

Principal - Member

IW Consulting Service, LLC

www.interceptorwhisperer.com

ken@iwconsultingservice.com

888-615-5615 - ph/fx

360-540-0570 - cell

Ken Loucks, principal and member of IW Consulting Service, LLC, has been in the plumbing and fats, oils and grease (FOG) related industry since 1989 having worked in wholesale distribution, as an agency representing manufacturers and directly for a manufacturer of grease interceptors. For the past decade he has been focused on the plumbing codes, product standards and pretreatment regulations that govern commercial grease interceptors.



Ken is a member of the technical committees that administer the grease interceptor product standards ASME A112.14.3, CSA B481 and IAPMO/ANSI Z1000/Z1001/Z1001.1. He is a current member of the American Society of Plumbing Engineers (ASPE), the American Society of Mechanical Engineers (ASME), the Canadian Standards Association (CSA), the International Association of Plumbing and Mechanical Officials (IAPMO), and the International Code Council (ICC). He actively supports regional pretreatment associations including Puget Sound PRE-FOG, Western States Alliance, Arizona FOG Group, and the Southeastern FOG Alliance.

As an educator, Ken has given live presentations to thousands of people across the US and Canada on various subjects relating to commercial grease interceptors. Audiences have included pretreatment professionals, plumbing, mechanical and civil engineers, plumbing code officials and plumbing and pumping contractors. He has been blogging about commercial grease interceptors since 2009 under the alias *Interceptor Whisperer* (www.interceptorwhisperer.com/iw-blog), which is read internationally by more than 25,000 people annually. Most recently, he was a contributing editor to the 2016-2017 edition of the *American Society of Plumbing Engineers Data Book Volume 4, Plumbing Components and Equipment, Chapter 8, Grease Interceptors*.



CITY OF THE DALLES
Department of Public Works
1215 West First Street
The Dalles, Oregon 97058

MEMORANDUM

DATE: March 4, 2022
TO: Jude Brown, PPRC Communications Director,
FROM: Jill Hoyenga, Regulatory Compliance Manager
SUBJECT: Mobile Food Vendors: Mouthwatering or Miasma?

The purpose of this memo is to submit an abstract to the 2022 Western States Alliance Virtual FOG Forum.

Presentation Title: Mobile Food Vendors: Mouthwatering or Miasma?

The City of The Dalles, like many other jurisdictions, has had FOG enforcement challenges from mobile food vendors. Mobile food vendors have become a popular for small business entrepreneurs and foodies alike. But all too often the aroma of mouthwatering cuisine can be overwhelmed by the miasma stench of improper FOG and wastewater disposal. The word *miasma* comes from ancient Greek and means 'pollution'.

By taking a wrap-around educational partnership approach, the City aims to prevent mobile food vendor pollution violations. When violations occur, enforcement cooperation across jurisdictions maintains consistent messaging and a better business environment. Three case studies will illustrate how communicating the good, the bad and the ugly across jurisdictions can build partnerships and prevent violations.

The educational partners include:

- Community Development Department, which issues mobile food vendor business licenses.
- Public Health Department, which conducts inspections every six months.
- City of The Dalles Pretreatment Program, which provides grease interceptor educational materials.
- City of The Dalles Wastewater Collections, which provides emergency clean up and inspections.
- Jacobs, which provides grease interceptor inspection services.

Jed Scheuermann

Program Director, IAPMO

Master plumber with over 40 years experience

Bachelor (Education) and Instructor of Pipe Trades Certificate

Jed's passion is to effectively share trade knowledge, and he believes that access to safe drinking water and adequate sanitation are basic human rights that much of the world lacks.

Biographical Information for Vince Chavez

Vince Chavez is the FOG program Coordinator for Clean Water Services a sanitary and surface water management Sewer District serving approximately 2,300 Food Service establishments (FSE's) in Washington County, Oregon.

Vince has been responsible for developing and implementing the FOG Triage program within the District's jurisdiction along with creating the framework for the commercial storm water program. He has also taken the lead in coordinating the development of a multi-jurisdictional FOG Triage approach and an electronic web base system for tracking a holistic view for commercial compliance.

Vince has dedicated the last 23 years to broaden his regulatory experience in all facets of regulatory program development/restructuring from both a private and regulator standpoint. Programs include; Environmental Health, Job site safety, Respiratory safety, OSHA–light duty, and the last eight years developing a multifaceted FOG program while interacting with other municipalities within the US.

Vince also works with the FOG equipment manufacturing industry to improve the efficiencies of FOG abatement equipment, and designs that facilitate an industrial pretreatment program. This provides better service to the Food Service Industry and improving FOG protection for the POTW.

Verbal Introduction:

Vince Chavez is the FOG Program Coordinator for Clean Water Services a sanitary and surface water management public utility district serving approximately 2,300 Food Service establishments (FSE's) in Washington County, Oregon.

He has spent the last 23 years in the Regulatory/Regulated field with the last 14 in regulatory enforcement and code development. He is dedicated to the development of a uniform FOG ordinance/program that can be used nationwide that supports the local sewer agencies, and the food service industry.

Education and Professional Development

Glendale Community College

Associates of Science Degree

Estrella Mountain Community College

Micro-Biology

Portland Community College

Bio-Medical Ethics & Pharmacology

Lower Columbia Community College

Science/Nursing

Oregon State University

Lead Abatement for Supervisors & Contractors

Oregon State Health Division

Lead Supervisor Certification

Regional Training & Simulation Center

Hazardous Materials Awareness & Operations for 1st Responders

Education and Professional Development

Oregon State Health Licensing Board **Sanitarian/Environmental Health** (non active)

Dept. of Human Services (drinking water program) **Water System Principals ESAC**

Oregon Environmental Health Assoc. **West Nile Virus, Toxicology, Mold, Lead,
Water/Waste water, Child Exposure to Clandestine Meth Labs,
Bioterrorism, and Future of Environmental Health in the US**

Food & Drug Administration **Inspector Standardization**

Oregon Health Science University **Communicable Disease Control 101,303**

Oregon Dept. of Human Services **Illness Prevention Regional Program
Outbreak Investigation 303, Certified Public Swimming Pool/Spa Inspector #
1090404** (non active)

OR-DEQ Oregon Supervisor #S10353/ AHERA, ASHARA, TSCA/Title II (non active)

Dept. Labor & Industries (WA) **Washington Supervisor # 2008022898A** (non active)

Associated Builders & Contractors **Project Supervision**

Northwest Safety Training Council **C-Stop**

OR-OSHA **OSHA 300 log, Safety & Training, Fall Protection, Safety & the
Supervisor, Safety Committee, Motor Vehicles: Planning & Safe Practices,
Conducting a Job Hazard Analysis, Conducting an Accident Investigation, Safety &
Health Program Evaluation, Safety Committee Basic Training**

National Swimming Pool Foundation
Certified Pool/Spa Operator #97-144176 (non active)

Memberships and Affiliations

Western States Alliance

Oregon Environmental Health Association (OEHA)

Water Environment Federation (WEF)

Pacific Northwest Source Control Training Association (PNSCTA)

Pacific Northwest Clean Water Association (PNCWA)

Oregon Association of Clean Water Agencies (OACWA)

American Public Works Association (APWA)

Oregon Water Utility Association (OWUA)

International Association of Plumbing and Mechanical Officials (IAPMO)

Aquatic Informatics' Abstract Submission for 2022 FOG Forum

Contact: Erik Larsen, Product Marketing Manager for Aquatic Informatics
Erik.Larsen@Aquaticinformatics.com

Presentation Outline

Title: Enabling Better FOG Data Management with Aquatic Compliance Platform

Presenter Name: Benjamin Braman (Digital Solutions Expert) & Tyrone Yan (Technical Sales Engineer)

Organization: Aquatic Informatics

E-mail: Benjamin.Braman@aquaticinformatics.com

Address: 1999 Broadway Suite 830, Denver, CO 80202

Phone Number: 720-597-0918

Abstract:

With data more available than ever, managing data in your FOG program has never been more important. The new solution from Aquatic Informatics, the Aquatic Compliance Platform streamlines and centralizes compliance data for FOG programs.

In our solution walkthrough, attendees will learn how ACP FOG will:

- Simplify and centralize FOG compliance management with a timeline of inspection history, pumpouts, violations, enforcements, maintenance, and communications
- Save time by eliminating paper and using automatic inspection scheduling, intelligent custom inspection forms, and convenient compliance reporting
- Collaborate with haulers and facilities by collecting digital manifests directly through a dedicated portal to save time and strengthen relationships

We look forward to sharing how the Aquatic Compliance Platform empowers a distributed workforce with full FOG management capabilities and reduces time spent tracking, enforcing, and managing facilities' compliance.

"Benjamin Braman, Digital Solutions Expert and Tyrone Yan, Technical Sales Engineer for Aquatic Informatics have a combined 30 years' experience in software solutions for Industrial Pretreatment, Fats Oils Grease, Liquid Hauled Waste and Backflow Prevention."

WSA FOG Presentation Submittal

Cole, Tony <Tony.Cole@ipexamerica.com>

Fri 3/11/2022 1:26 PM

To: Jude Brown <jbrown@pprc.org>

Cc: Clayton Brown <cbrown@pprc.org>

Happy Friday Jude,

Clayton reached out to one of our team members about the potential of presenting at this year's event on our high-efficiency units. I would be happy to put in a request if you're still accepting them...

Name of presenter: Tony Cole, Market Development Representative w/Endura, grease management division under IPEX USA

Brief Description of the course:

In this course we will cover Endura's high-efficiency hydromechanical grease interceptors, designed to meet some of the most stringent standards for FOG prevention throughout North America.

Each Endura Miami-Dade DERM FOG ordinance approved solution is listed to 99% efficiency as per ASME A112.14.3. This product allows designers greater flexibility in accommodating Miami-Dade's jurisdictional requirements. Endura® Grease Management products have been instrumental in changing the traditional practices regarding the design of grease management solutions. Thermoplastic hydromechanical alternatives to metal and concrete interceptors are being increasingly accepted Nationwide as the new standard for grease management in commercial foodservice applications.

Why this will be of interest to our target audience:

Together with Endura's grease management team, Miami-Dade County was able to assist in the design of a highly efficient solution to mitigate many of the FOG concerns previously plaguing this region. Endura high-efficiency units paired with an effective FOG program can move the bar closer to achieving excellence in protecting our water treatment plants on a national level.

Please let me know what you think and if you have any further questions. I appreciate your consideration for this opportunity to present.

Cheers!

Tony

Tony Cole

Market Development Specialist

Endura | Duraflo

847-421-0545 (cell)

Tony.Cole@ipexamerica.com

2850 Marquis Dr, Garland, TX 75042

This email may be confidential. Any unauthorized use is prohibited. Please advise us immediately if received in error or should you wish to no longer receive such e-mails.



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: _____

Presenter: _____ Title: _____

Employer: _____ Address: _____

City: _____ State: _____ Zip: _____ Phone: _____

Summary of Lesson content: _____

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: _____

Education (High School, Upgrades, Colleges and Degrees): _____

Professional Registration/Certification: _____

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities:

_____ Date: _____

_____ Date: _____

Course sponsor: _____

Signature of Instructor: _____ Date: _____

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

Return Completed Form To: OESAC CEU COMMITTEE
P.O. Box 577
Canby, OR 97013-0577

Email: info@oesac.org
Phone: 503-698-6486



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: _____

Presenter: _____ Title: _____

Employer: _____ Address: _____

City: _____ State: _____ Zip: _____ Phone: _____

Summary of Lesson content: _____

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Education (High School, Upgrades, Colleges and Degrees): _____

Professional Registration/Certification: _____

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Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities:

_____ Date: _____

_____ Date: _____

Course sponsor: _____

Signature of Instructor: _____ Date: _____

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Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

Return Completed Form To: OESAC CEU COMMITTEE
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Canby, OR 97013-0577

Email: info@oesac.org
Phone: 503-698-6486

Proposal for FOG Forum Presentation

Kimberly A. Cole <kim.cole@kimhec.com>

Mon 3/7/2022 6:19 AM

To: Jude Brown <jbrown@pprc.org>

Cc: Jean Waters <jwaters@pprc.org>

Hi Jude,

Jean asked that I reach out to you to offer a paper for the FOG forum coming up at the end of May/early June. Jean has been a great resource in the development process of a FOG program for one of my pretreatment clients and she suggested that it might make a good presentation for the event coming up. Below are my thoughts on what the presentation would be and I would definitely be receptive to having Jean contribute/co-present on these topics.

Note that I have vacation scheduled the first week of June so I would only be available for the first week of the Forum. If that works out with the schedule and if this paper makes the cut then I would be happy to present.

Proposal for a 2022 FOG Form Presentation

Name: Kimberly Cole, P.E.

Contact Info: kim.cole@kimhec.com | 314-276-9575

Affiliation: KimHEC (St. Louis, Missouri)

Brief Description of the Presentation: A Case Study: FOG Program Implementation for a Missouri Community.

This presentation will present a case study based on the creation of a FOG program for O'Fallon, Missouri. O'Fallon does not have an existing FOG program but several communities surrounding O'Fallon have some type of a FOG program. Since the county (St. Charles) where O'Fallon is located is experiencing a lot of growth with municipal and sewer districts that interconnect, the City saw an opportunity to collaborate and learn from other FOG Programs.

A FOG survey was distributed to the sewer districts in St. Charles county, and it was also distributed to the Missouri Pretreatment coordinators and to the nation-wide Pretreatment Coordinator Groups.io. We received almost 50 responses in the week that it was distributed. The objective of the survey was to determine what is working and not working in FOG programs that are in-place so that O'Fallon has some input as they develop what their program should look like.

This presentation will go through some of the survey responses and how O'Fallon is using that input to make decisions for the development of their program. The survey responses were further used to develop an agenda for a collaborative meeting with the sewer districts in St. Charles County to learn the approach to FOG in the surrounding community and get input/thoughts on aligning programs.

FOG considerations discussed included how to approach new construction interceptor requirements, how to regulate existing interceptors, Preferred Pumper Program pros and cons, and program tracking options (spreadsheets, City-specific programs, or proprietary programs).

Kimberly A. Cole, P.E.

Principal at KimHEC

Email: kim.cole@kimhec.com

Mobile: 314-276-9575

5326 Southwest Ave. | St. Louis, MO | 63139

www.kimhec.com



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Looking up for FOG and Closing the Loop

Presenter: James B Luebke Title: President

Employer: FilterShine Midwest Address: 1005 South Main Street

City: West Milton State: OH Zip: 45383 Phone: 937-698-3322

Summary of Lesson content: Looking up, Fog created by cooking, depositing in the exhaust system filters ,ductwork and fans. How these components are cleaned and where is the fog going. Closing the Loop, the disconnect between Fire and safety, and Health and Environmental.

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: IKECA member , USFOGA board , 22 year President of Liberty Services.

Education (High School, Upgrades, Colleges and Degrees): High School

Professional Registration/Certification: IKECA

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities:

Date: _____
Date: _____

Course sponsor: DAVID JAMES

Signature of Instructor: [Handwritten Signature]

Date: May 11 2022

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Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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Canby, OR 97013-0577
Email: info@oesac.org
Phone: 503-698-6486

RE: FOG Forum Presentation

Hannah Allen <HAllen@nctcog.org>

Fri 4/29/2022 11:54 AM

To: Jude Brown <jbrown@pprc.org>

Hi Jude,

Thanks for the opportunity to share information about our program. Looking forward to the Forum! Here is my bio and abstract. Please let me know if there's any additional information you need from me.

Can you please remind me how long the session I'm speaking in will be? I can't remember when I spoke with David James if it was a full hour or shorter/longer. Also, can you let me know if you require a copy of my presentation beforehand, and if so, when the deadline is to send that in?

Bio:

Hannah Allen is an Environment and Development Planner III at the North Central Texas Council of Governments (NCTCOG). Hannah graduated from Texas A&M University with a Bachelor's of Science in Bioenvironmental Sciences and is a LEED Green Associate.

At NCTCOG, Hannah currently manages the Wastewater and Treatment Education Roundtable (WATER), the Bacteria Total Maximum Daily Load (TMDL) Program, and assists with other water-related programs. Hannah also manages the Regional Management Plan Subcommittee of the Resource Conservation Council (RCC), and works on the Texas Commission on Environmental Quality (TCEQ) solid waste pass-through grant program and other solid waste activities.

Title/Abstract:

How Jurisdictions Can Work Together: An Overview of North Central Texas's Wastewater Roundtable Program
The Wastewater And Treatment Education Roundtable (WATER) program is an educational partnership in the Dallas-Fort Worth Metroplex between the North Central Texas Council of Governments (NCTCOG), municipalities, and water districts. WATER aims to educate the public on the importance of defending your drains, covering topics such as Fats, Oils, and Grease (FOG), wipes, paper towels, household hazardous waste, and more. Join this session to learn more about WATER's background, educational outreach, and special events that have made this program a regional success.

Feel free to adjust the abstract, if necessary!

Thanks again for the opportunity. Have a great weekend! 😊

Best,
Hannah

From: Jude Brown <jbrown@pprc.org>

Sent: Tuesday, April 26, 2022 5:59 PM

Subject: FOG Forum Presentation

Hello,

First, thank you so much for presenting at our Virtual FOG Forum. We appreciate your participation and look forward to hosting the event.

Jacob Corum is the WWTP FOG Program Coordinator and Engineer 1 at the City of Gresham WWTP. Prior to his current position, Jacob worked as an operator at the WWTP and has first hand knowledge of operating and managing the FOG receiving facility for Gresham.

Case Study: Gresham's FOG Program - From Vector Truck to Energy Recovery

Jacob Corum | Engineer 1 | WWTP Program | City of Gresham

Fats, Oils, and Grease (FOG) are problematic and pervasive constituents in wastewater collection and treatment systems. The City of Gresham has instituted a program to keep FOG out of the collection and liquid treatment systems and beneficially utilize the FOG for increased energy production at the treatment plant. Since 2012, the Gresham WWTP has been accepting FOG at its FOG Receiving Facility. In 2015, the WWTP attained Electrical Net-Zero status and has averaged zero utility import since. This presentation will review the history of the FOG program at Gresham with emphasis on the treatment plant's phased approach on the road to Electrical Net-Zero status.



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: _____

Presenter: _____ Title: _____

Employer: _____ Address: _____

City: _____ State: _____ Zip: _____ Phone: _____

Summary of Lesson content: _____

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: _____

Education (High School, Upgrades, Colleges and Degrees): _____

Professional Registration/Certification: _____

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities:

_____ Date: _____

_____ Date: _____

Course sponsor: _____

Signature of Instructor: _____ Date: _____

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Removing FOG from the Wastestream

Presenter: Angela Walker Title: Wastewater Pretreatment Compliance Coordinator

Employer: Brunswick and Glynn County Joint Water Address: 1703 Gloucester St.

City: Brunswick State: GA Zip: 31520 Phone: 912-261-7100

Summary of Lesson content: Review of information to help jurisdictions remove FOG from the waste stream and utilize it as a useable product, instead of a waste product.

Professional Background: (Note a brief - 2 page maximum - resume may be submitted in lieu of the following data. Please be sure the resume includes all requested information. Qualifications should be related to your presentation.) Use the reverse side of this form if more room is needed to fully answer the following questions.

Primary Knowledge/Skills/Abilities related to presentation: She has worked in wastewater treatment systems for more th
She is responsible for the BGJWSC Fats, Oils, and Grease (FOG) program. Consultant for Biodiesel company utilizing FC

Education (High School, Upgrades, Colleges and Degrees): Bachelor of Psychology from Liberty University
Juris Master's in International Law from Liberty University.

Professional Registration/Certification: State of Georgia Wastewater Operator Class I
State of South Carolina Physical/Chemical Wastewater Operator Class A

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title _____ Date: _____ Event: _____

Professional Organizations/Activities:

_____ Date: _____
Southeastern FOG Alliance Vice-President for Georgia Date: 2020-Present

Course sponsor: Western States Alliance

Signature of Instructor: Angela Walker Date: 5-9-2022

DO NOT WRITE BELOW THIS LINE

Date Evaluated: _____ By: _____ Approved: Yes _____ No _____

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When:

Wed, May 25, 2022 - 9 AM to 1 PM PDT
Thur, May 26, 2022 - 9 AM to 1 PM PDT

Wed, June 1, 2022 - 9 AM to 1 PM PDT
Thur, June 2, 2022 - 9 AM to 1 PM PDT

Where

This is an online event.

We will be providing a link through **GoToMeeting** 2 weeks prior to the event. If you do not receive them **approximately 10 days** before the event, please contact Jude Brown at:

Email: jbrown@pprc.org

or Ken Grimm 206-352-2050 x102

Contact

Jude Brown
Pacific Northwest Pollution Prevention
Resource Center
jbrown@pprc.org

2022 Virtual FOG Forum

May 25 & 26 and June 1 & 2 (9am - 1pm each day)

Please read all of the information on this page and treat it as an FAQ. We often get many inquiries that can be answered below. If you need assistance, feel free to contact Jude at jbrown@pprc.org.

Every year, the Western States Alliance (WSA) coordinates and hosts a Fats, Oil, and Grease (FOG) Forum that is the premier event of its kind in the Pacific Northwest, and one of the best in the nation. The Forum is designed to inform and train wastewater professionals, restaurant owners, pretreatment folks, plumbers and others on the latest in FOG issues including, but not limited to: upcoming rules and regulations, reporting requirements, data measurement approaches, and newest technologies. In addition, the WSA FOG Forum will also introduce you to the WSA's growing online resources available at www.westernstatesalliance.org.

CEU Count: We have applied for 1.5 CEUs for the states of Washington, Oregon, and Idaho. If you are not a resident of these states, please contact Jean Waters at jwaters@pprc.org. Jean will help you coordinate with your state program officer to recognize this event for CEU recognition.

View the 2022 FOG Forum Agenda [here](#).

IMPORTANT NOTE: All registrants will be sent a confirmation email. If you do not receive a confirmation, please check your spam folder or other possible locations before contacting us or your IT folks. Government Agencies are more likely to have external emails diverted to spam folders.

IMPORTANT NOTE 2: If you are paying by check, please make payment to:

PPRC

c/o Carol Beard - 13751 Lake City Way, NE - Ste. 305 - Seattle, WA 98125

Please attach a printout of your registration confirmation for each registrant. Thank you.

IMPORTANT NOTE 3: If you need to cancel for whatever reason, we will deduct an administrative fee of \$25.00. The system charges this processing fee and we cannot wave it.

IMPORTANT NOTE 4: You have up until 5 days prior to the first day of the conference to receive a refund. We will not be issuing refunds during or after the conference.

Limited registration scholarships are available for programs servicing rural, communities with a population less than 10,000. If your community is larger than 10,000 residents, but provides wastewater treatment service to smaller communities of less than 10,000, then you are also eligible for a registration scholarship. Please contact Jean Waters at jwaters@pprc.org to inquire about scholarship opportunities.

Register Now!

When

Wednesday, May 25, 2022 at 9:00 AM PDT

-to-

Thursday, June 2, 2022 at 1:00 PM PDT

[Add to Calendar](#)

Where

This is an online event.

Contact

Jude Brown

Pacific Northwest Pollution Prevention

Resource Center

2063522050 x102

jbrown@pprc.org

2022 Virtual FOG Forum

Every year, the Western States Alliance coordinates and hosts a Fats, Oil, and Grease (FOG) Forum that is the premier event of its kind in the Pacific Northwest. The Forum is designed to inform and train water related professionals, restaurant owners, pretreatment folks, etc. on the latest in FOG.

* Required information

Personal Information

* First Name:

* Last Name:

* Email Address:

* Confirm Email Address:

Promo Code

Enter Code:

Apply

Fee

Type	Fee
Event fee	\$150.00

Guest Information

You may add a maximum of 5

Add

Business Information

* Company:

* Job Title:

* Department:

* City:

* State:

--Choose--

* ZIP Code:

* Phone:

Custom Information 1

What is your wastewater certification number? (CEUs only - NA if not needed)

500 characters remaining

Payment

Payment Method

- Pay with Credit Card
 Pay By Check

Payment Summary

Name	Type	Quantity	Fee	Total
	Event fee	1	\$150.00	\$150.00
			Total	\$150.00

- Yes, I would like to receive your quarterly email newsletters

By checking this box, you're consenting to receive marketing emails from:

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<http://www.pprc.org>

You can revoke your consent to receive emails at any time by using the SafeUnsubscribe™ link, found at the bottom of every email. [Emails are serviced by Constant Contact.](#)

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CEU ROSTER SUBMITTAL**

OESAC Course No: _____

CEUs Approved: DW _____ WW _____ O2-I _____ O2-SP _____

Course Title*: _____

* Must be exactly the same as submitted to OESAC and on the Certificate.

Course Date: _____

Sponsor: _____ **City/State:** _____

	Name of Organization or Employer	Attendee Full Name (Print or Type)	Signature	<u>Oregon Cert. No. (required)</u>				Not Yet Certified	Total CEUs Earned			
				DW	WW	O2-I	O2-SP		DW	WW	O2-I	O2-SP
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Sponsor/Proctor Name (print): _____ **Signature:** _____ **Date:** _____

Proctor Tel. No: _____ **Page** _____ **of** _____