



Request for Wastewater Training Continuing Education Units

Request Date August 1, 2022

Course Title 2022 Pacific Northwest Pretreatment Workshop Course Location Heathman Lodge Vancouver Vancouver, Washington

Start Date September 12, 2022 End Date September 14, 2022 Total Classroom Hours 20

CEUs Requested (1 hour class time = 0.1 CEU) up to 2.0

Course format: Classroom ☐ Correspondence ☐ On-line ☐ Conference ☒ Recurring ☐

Explain how this course meets the professional growth criteria to operate and maintain a domestic wastewater treatment plant or to manage the operation and maintenance of a domestic wastewater treatment plant.

Please see accompanying course outline

How will attendance be monitored/verified? Registration

Contact Name Patrick Bryan Company Pacific Northwest Pollution Prevention Resource Center and Western States Alliance

Mailing address 13751 Lake City Way NE, Suite 305

City Seattle State WA Zip 98125

Phone Number (559) 940-5270 e-mail pbryan@pprc.org

Required Attachments:

- ☒ Course Agenda with timeline – include start and end times, breaks & lunch
- ☒ Course Summary or Brochure w/course summaries
- ☒ Instructor Information – short biography and credentials or Brochure w/instructor bios

Return completed form and required attachments to: Department of Ecology
Wastewater Operator Certification
PO Box 47696
Olympia, WA 98504-7696

Or email completed form and attachments to: <mailto:opcert@ecy.wa.gov>

Accommodation Requests:

To request ADA accommodation including materials in a format for the visually impaired, call Ecology at 360-407-6600. Persons with impaired hearing may call Washington Relay Service at 711. Persons with speech disability may call TTY at 877-833-6341.

OpCert Staff Use

CEUs _____ Course ID _____ Approval Date _____

Expiration Date _____ Reviewed by _____



08/01/2022

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

Dear CEU Committee:

The Pacific Northwest Pretreatment Workshop continues to bring together municipal, state, and federal wastewater and pretreatment staff from cities in Oregon, Idaho, Washington, and Alaska this year at for it's 29th annual workshop. Attendees 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 pretreatment workshop is applying for 2.0 Wastewater and Collection System CEU's with the Oregon Environmental Services Advisory Council (OESAC). The 2022 Pacific Northwest Pretreatment Workshop will be held in-person in Vancouver, WA. The following is a brief outline of the presentations for the 29th Annual Pacific Northwest Pretreatment Workshop and course timelines:

Monday, September 12, 2022:

01 EPA Update

Al Garcia, National Pretreatment Coordinator
EPA Region 8
Denver, CO

Mr. Garcia will give a presentation on the status of EPA's pretreatment program from a national perspective. He will discuss the status of categorical pretreatment regulations as well as any new proposed regulations or changes to existing standards. Mr. Garcia will also provide insight on the direction of the program and oversight activities.

(1.0 Hour)

02 Establishing Legal Authority

Joy Ramirez
Clean Water Services
Hillsboro, OR

The presentation will walk through the evolution of our program updates; including legal authority, enforcement response, local limits, and hauled waste. We continue to use the pollution prevention approach found in our mercury minimization program as we tackle other emerging pollutants of concern. These updated program elements have helped us achieve equitability, extensive collaboration with our industrial partners, and future resource recovery and reuse goals.

(1.0 Hour)

03 Innovative Industrial Pretreatment

Lucas Reid
Sedron Technologies
Boise, Idaho

This industry will share their experience championing the development of industrial process water treatment. They will discuss the new Septage Receiving Station in Sumner, WA.

(1.0 Hour)

04 EPA Enforcement Case Study, Industrial Pretreatment

Eric Martinson, Resident Agent in Charge
Criminal Investigation Division, US EPA
Portland, OR

Mr. Martinson will give a presentation on a plating shop that was discharging to an approved POTW in violation of pretreatment standards after employees tried to fool inspectors with non-functioning equipment. The plating shop's owner also made multiple false statements in an attempt to illegally dispose of hazardous wastes as non-hazardous waste in order to save money.

(1.0 Hour)

05 The Latest on PFAS and Biosolids

Rashi Gupta, PE, Vice President and Biosolids Tech Integration Lead
Carollo Engineering
Costa Mesa, CA

The presentation will look at the latest information related to PFAS regulations, state and EPA, and how the water and wastewater industry is reacting. In an effort to address PFAS early on, some states are looking at PFAS limits for drinking water as well as land applied biosolids. We will also examine the potential impact of PFAS on the beneficial use of biosolids in agriculture and other reuse options based on the latest data and research. Finally, the webinar will review upcoming studies related to

PFAS in biosolids and how to stay up-to-date on these efforts, and potential technologies that can address emerging contaminants such as PFAS.

(1.0 Hour)

06 PFAS: The Wild, Wild West or Is It?

Lindsay Boone, M.SC., Technical Program Manager
Enthalpy Analytical
Little Rock, AR

Analytical methodologies for Per & Polyfluorinated Alkyl Substances (PFAS) are currently in an ever-evolving regulatory climate with ongoing changes and modifications to existing and new PFAS analytical methods. This constant state of change causes a need for continuous updates to lab analysis. Analytical methodologies available from both the USEPA and Department of Defense (DOD) can dictate PFAS sampling and reporting requirements for drinking water and wastewater facilities. In this presentation, Lindsay Boone, a PFAS expert and Technical Program Manager at Enthalpy Analytical will cover PFAS methodologies and how they can impact facilities and their permit requirements. Don't miss this informative presentation on PFAS that will help answer all the questions that make PFAS requirements feel like it's the wild, wild west...or is it?

(1.0 Hour)

07 Making a Categorical Determination

Maia Hoffman, Statewide Pretreatment Lead
Washington Department of Ecology
Olympia, WA

Ms. Hoffman will provide guidance for evaluating if an industry is covered under a categorical effluent guideline and how to incorporate this into a permit. This is a crucial part of a successful pretreatment program due to the risk to treatment plant interference or passthrough from some Categorical Users.

(1.0 Hour)

08 Table Topics

Tables will be set up with a facilitator who will lead the discussion on specific topics that attendees will participate in. The table topics include:

Pollution Prevention	Best Management Practices	Site-Specific Limits
Flushable Wipes	Local Limits Development	Extra-Strength Surcharges
Incentive Awards Programs	Hauled Waste	Mercury Minimization Plans
FOG Programs	Laboratory Issues	Non-Discharging CIUs

(1.0 Hour)

Tuesday, September 13, 2022:

09 State Regulatory Update

Maia Hoffman
State Pretreatment Coordinator
Washington State Department of Ecology

Heidi Caye
State Pretreatment Coordinator
Idaho Depart of Environmental Quality

State agency representatives will be providing regulatory and policy updates of the Industrial Pretreatment Program and the Clean Water Act on a state level.

(1.0 Hour)

10 Industrial User Surveys and Beyond

Julie Dufresne
LOTT Clean Water Association
Olympia, WA

How to make an Industrial user survey work for your POTW. Ms. Dufresne will share guidance for managing a successful survey effort. This presentation will also include discussion of how to move forward after the POTW has performed the survey and generated findings.

(1.0 Hour)

11 Implementing and Updating an Enforcement Response Plan

Al Garcia, National Pretreatment Coordinator
EPA Region 8
Denver, CO

Mr. Garcia will share best practices for developing an Enforcement Response Plan. He will discuss the implementation process. He will highlight key components that are integral to successfully developing an ERP that is enforceable and legally defensible.

(1.0 Hour)

12 Establishing Flexible Local Limits

Joshua Balentine, Industrial Pretreatment Program Technical Lead
Brown and Caldwell
Memphis, TN

As changes occur in communities and their industries, changes may also need to occur with a utility's local limits to prevent pass-through and interference while still facilitating their community's economic

development. Traditional local limit development may not meet all of these needs, so flexibility and creativity are needed to protect the utility without imposing unnecessarily stringent limits. In this session, new strategies for approaching local limit development will be presented, along with case studies on how the strategies have been used in communities. The technical basis for the allocations and the negotiations with regulators and local industries will be discussed.

(1.0 Hour)

13 Sample Collection Using Clean-Technique

Michael Stanaway, Biologist / Project Manager
Eurofins Environment Testing Northwest
Corvallis, OR

Mr. Stanaway will present an overview of best practices for industrial wastewater sample collection using the ultra-clean sampling method. How to prepare, clean sampling equipment and perform Low Level Metals Sampling using clean hands/dirty hands.

(1.0 Hour)

14 Managing High Strength Wastewater from Industrial Users

John Holtrop
Portland Bureau of Environmental Services
Portland, OR

Mr. Holtrop will discuss how wastewater treatment plants can manage high strength waste loading into plant and share insight for developing a HSW program for municipal agencies.

(1.0 Hour)

15 A City with a Drink(ing) Problem

Leah Rohan, P.E.
Environmental Engineer
City of Walla Walla, WA

The City of Walla Walla is facing capacity issues at its wastewater treatment plant, requiring a multi-pronged approach. This presentation will take you through the multi-year enforcement of a juice processor and the decision to create a high-strength rate to ensure winemaking facilities, breweries, and distilleries pay for their share of the upgrades to the treatment plant.

(1.0 Hour)

16 Table Topics

Tables will be set up with a facilitator who will lead the discussion on specific topics that attendees will participate in. The table topics include:

Pollution Prevention	Best Management Practices	Site-Specific Limits
Flushable Wipes	Local Limits Development	Extra-Strength Surcharges
Incentive Awards Programs	Hauled Waste	Mercury Minimization Plans
FOG Programs	Laboratory Issues	Non-Discharging CIUs
(1.0 Hour)		

Wednesday, September 14, 2022:

17 Obstacles to Achieving a Successful Industrial Pretreatment Program

**Angela Walker, Pretreatment Compliance Coordinator
Brunswick-Glynn Joint Water & Sewer Commission
Brunswick, GA**

A review of common challenges faced when implementing a successful pretreatment program for a wastewater treatment plant; best management practices and case studies.

(1.0 Hour)

18 Small Community, Large Brewery: A Case Study

**Stephanie Kerns
Environmental Compliance Specialist
City of Newport, OR**

A case study of the effect a large brewery has had on the coastal community of Newport, Oregon. Outlining the actions taken by the City to help the brewery work towards compliance while developing an Industrial Pretreatment Program.

(1.0 Hour)

19 Sampling, Monitoring and Pretreatment Perfection

**Morgan Crowell
Technical Specialist, SwiftComply
Bend, OR**

In this presentation I discuss the importance of sampling techniques, and the relationship between pretreatment programs resources, monitoring data quantity/quality and industrial user compliance.

Because sampling data is not all of equal value, and too much data can quickly overwhelm a pretreatment program and compromise their ability to conduct effective enforcement, it is critical that metrics are created and evaluated to properly assess the needs of a pretreatment program and their sampling and monitoring activities. I propose several conceptual stages for pretreatment programs to consider within the context of their own program and invite attendees to share anonymized sampling and compliance data so that I may complete actual statistical analysis to test the hypothesis of my conceptual model. Proper analysis of monitoring and compliance data will lead to numerical metrics that may be of value to ongoing evaluation of pretreatment program compliance performance.

(1.0 Hour)

20 Pretreatment Program Development

**Angela Walker, Pretreatment Compliance Coordinator
Brunswick-Glynn Joint Water & Sewer Commission
Brunswick, GA**

Ms. Walker will discuss the main elements of an approvable Industrial Pretreatment Program. She will highlight how to work with stakeholders for sewer agencies and how to develop a program that protects the wastewater treatment plant.

(1.0 Hour)

It is at this time that the Pacific Northwest Pretreatment Workshop Planning Committee would like to ask that you consider the 2020 Pacific Northwest Pretreatment Workshop eligibility for 2.0 CEU's. We are offering 20 hours of instruction and have enclosed paid online;

10.0	Hours	\$ 75
10.0	Hours (@\$10/hr)	\$ 100
		<u>\$ 175</u>

If there are any questions about the Pacific Northwest Pretreatment Workshop, please contact Andria Swann at 253-299-5713 or at andrias@sumnerwa.gov. Thank you again.

Determination Letter may be sent to:
City of Sumner, WA
Attention: Andria Swann, Pretreatment Coordinator
1104 Maple St,
Sumner, WA 98390

Sincerely,
Andria Swann

Andria Swann, PNPW Planning Committee Chair

**Attached: Workshop Agenda
Speaker Biography (separate PDFs)**



2022 Pacific Northwest Pretreatment Workshop

September 12 - 14, 2022

DRAFT Workshop Agenda (subject to change)

Monday - September 12, 2022				Tuesday - September 13, 2022				Wednesday - September 14, 2022			
Time	Sect.	Session Title	Time	Sect.	Session Title	Time	Sect.	Time	Sect.	Session Title	
8:00 - 8:15		Welcome, Opening Announcements	8:00 - 8:15		Opening Announcements	8:00 - 8:15		8:00 - 8:15		Opening Announcements	
8:15 - 9:00	1	EPA Update US Environmental Protection Agency Representative	8:15 - 9:00	9	State Regulatory Update Oregon Department of Environmental Quality Washington Department of Ecology Idaho Department of Environmental Quality	8:15 - 9:15	17	8:15 - 9:15		Obstacles to Achieving a Successful Industrial Pretreatment Program Angela Walker, Brunswick - Glynn County Joint Water & Sewer Commission	
9:00 - 10:00	2	Establishing Legal Authority Joy Ramirez, Clean Water Services, Hillsboro, OR	9:00 - 10:00	10	Conducting an Industrial User Survey Julie Defresne, LOTT, Olympia, WA	9:15 - 10:00	18	9:15 - 10:00		Brewery Enforcement Case Study Stephanie Kerns, City of Newport, OR	
10:00 - 10:15		BREAK	10:00 - 10:15		BREAK	10:00 - 10:15		10:00 - 10:15		BREAK	
10:15 - 11:00	3	Innovative Industrial Pretreatment Lucas Reid, Sedron Technologies	10:15 - 11:00	11	Implementing and Updating an Enforcement Response Plan Al Garcia, US EPA Region 8	10:15 - 11:00	19	10:15 - 11:00		Sampling, Monitoring and Pretreatment Perfection Morgan Crowell, SWIFTComply	
11:00 - 12:00	4	Enforcement Case Study Eric Martenson, EPA Criminal Enforcement Division	11:00 - 12:00	12	Establishing Flexible Local Limits Joshua Balentine, Brown and Caldwell	11:00 - 12:00	20	11:00 - 12:00		Pretreatment Program Development Angela Walker, Brunswick - Glynn County Joint Water & Sewer Commission	
12:00 - 1:00		LUNCH	12:00 - 1:00		LUNCH	12:00 - 12:15		12:00 - 12:15		Workshop Wrap-Up	
1:00 - 2:00	5	The Latest on PFAS and Biosolids Rashi Gupta, Carollo Engineers	1:00 - 2:00	13	Clean Sampling Technique Michael Stanaway, Test America Laboratory						
2:00 - 3:00	6	PFAS: The Wild Wild West or Is It? Lindsay Boone, Enthalpy Analytical	2:00 - 3:00	14	Developing a High Strength Waste Surcharge Program John Holtrop, Portland BES						
3:00 - 3:15		BREAK	3:00 - 3:15		BREAK						
3:15 - 4:00	7	Making a Categorical Determination Malia Hoffman, WA Department of Ecology	3:15 - 4:15	15	A City with a Drink(ing) Problem Leah Rohan, City of Walla Walla, WA						
4:00 - 5:00	8	Round Table Discussion Table Topics Announced at Workshop	4:15 - 5:00	16	Round Table Discussion Table Topics Announced at Workshop						

Pacific Northwest Pretreatment Workshop
September 12, 13, and 14, 2022



Presentation and Biographical Information

Presentation and Speaker biographical information will be used by the Conference Planning Committee to apply for conference Continuing Educational Units (CEU) certification. Biographical information may also be used during speaker introductions. Please e-mail this information to **Ken Grimm** at kgrimm@pprc.org. If you have any questions, you may contact your PNPW sponsor.

Presentation Title & Abstract:	Small Community, Large Brewery – Case Study and IP Program Development	
	A case study of the effect a large brewery has had on the coastal community of Newport, Oregon. Outlining the actions taken by the City to help the brewery work towards compliance while developing an Industrial Pretreatment Program.	
Name & Title	Stephanie Kerns – Environmental Compliance Specialist	
Employer	City of Newport	
Address	169 SW Coast Hwy, Newport, Oregon 97365	
Phone & Fax	(541)971-4130	
e-mail Address	s.kerns@newportoregon.gov	
# years in field	8 years in Environmental field, 3 years in Pretreatment	
Professional Association Memberships		
Oregon ACWA – Co-Chair for Pretreatment Committee		
Planning Committee for ORWEF		
Education (degree)	School Name	Year
Environmental Biology	Montana State University	2014
Work History	Company	Year
Environ. Scientist – groundwater protection	State of North Dakota	2014 - 2015
Residuals and Hauled Waste Supervisor	City of Salem	2015 - 2019
Environmental Compliance Specialist	City of Newport	2019 - Present
Other Biographical Information (Interests, Hobbies, etc.)		
I love spending as much time outdoors as I can. This includes hiking, backpacking, mountain Biking, paddleboarding, and camping.		

Pacific Northwest Pretreatment Workshop
September 12-14, 2022



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Presentation Title	The Obstacles to Achieving a Successful Industrial Pretreatment Program	
Presentation Description (Short abstract to be used for CEU application)	A review of common challenges faced when implementing a successful pretreatment program for a wastewater treatment plant; best management practices and case studies.	
Name & Title	Angela G Walker / Pretreatment Compliance Coordinator	
Employer	Brunswick-Glynn Joint Water & Sewer Commission	
Address	1703 Gloucester St., Brunswick, GA 31520	
Phone & Fax	912-217-1111/ fax 912-335-3501	
e-mail Address	awalker@bgjwsc.org	
# years in field	25 + years	
Professional Association Memberships		
Vice-President- Georgia Region Southeastern FOG Alliance		
Education (degree)	School Name	Year
Bach of Psychology	Liberty University	2016
Juris Master's in International Legal Studies	Liberty University	2018
Work History	Company	Year
State of Georgia Class 1 Wastewater Operator License		1995
Other Biographical Information (Interests, Hobbies, etc.)		
I enjoy my grandchildren & any water activity. Family is important and must be cherished.		

Pacific Northwest Pretreatment Workshop
September 12-14, 2022



Pacific Northwest Pretreatment Workshop
September 12, 13, and 14, 2022



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Presentation Title & Abstract:	Title: A City with a Drink(ing) Problem The City of Walla Walla is facing capacity issues at its wastewater treatment plant, requiring a multi-pronged approach. This presentation will take you through the multi-year enforcement of a juice processor and the decision to create a high-strength rate to ensure winemaking facilities, breweries, and distilleries pay for their share of the upgrades to the treatment plant.	
Name & Title	Leah Rohan, P.E.; Environmental Engineer	
Employer	City of Walla Walla	
Address	15 N. 3 rd Avenue	
Phone & Fax	Phone: 509-524-4712 Fax: 509-524-7985	
e-mail Address	lrohan@wallawallawa.gov	
# years in field	8.5 years	
Professional Association Memberships		
Water Environment Federation (WEF)		
Solid Waste Association of North America (SWANA)		
American Public Works Association (APWA)		
Education (degree)	School Name	Year
BS in Environmental Engineering	University of Central Florida	2004 - 2009
BS in Civil Engineering	University of Central Florida	2004 - 2009
Work History	Company	Year
Environmental Engineer	Mission Support Alliance (Federal contractor at the Hanford site in Richland, WA)	Feb 2010 – Feb 2014
Associate Engineer	City of Pasco, WA	Mar 2014 – Oct 2016
Environmental Engineer	City of Walla Walla, WA	Oct 2016 - Present
Other Biographical Information (Interests, Hobbies, etc.)		
Anything outdoors including hiking, camping, fishing, off-roading, and walks with my dog. I also enjoy CrossFit and Jeep Wranglers.		

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September 12, 13, and 14, 2022



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Pacific Northwest Pretreatment Workshop
September 12, 13, and 14, 2022



Presentation Title & Abstract:	City of Portland Bureau of Environmental Services Sewer Surcharge Program Implementing a sewer surcharge program that addresses industrial and commercial sewer customers.	
Name & Title	John Holtrop, Environmental Program Manager	
Employer	City of Portland, Bureau of Environmental Services	
Address	654 N Burlington Ave., Portland OR 97203	
Phone & Fax	503-823-7885	
e-mail Address	John.Holtrop@portlandoregon.gov	
# years in field		
Professional Association Memberships		
Education (degree)	School Name	Year
Chemistry specialty in Polymers and Coatings	Cal Poly, San Luis Obispo	
Work History	Company	Year
Extra Strength Charge Program		
Fats, Oils & Grease Program	City of Portland, Bureau of Environmental Services	1994 to present
Industrial Stormwater Program		
Other Biographical Information (Interests, Hobbies, etc.)		

Pacific Northwest Virtual Pretreatment Workshop
September 12 -14, 2022



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Presentation Title	Low Level Metals Ultra-Clean Sampling Technique with ISCO (Automated sampler)	
Presentation Description <small>(Short abstract to be used for CEU application)</small>	How to prepare, clean sampling equipment and perform Low Level Metals Sampling using clean hands/dirty hands.	
Name & Title	Mike Stanaway	
Employer	Eurofins Environment Testing Northwest – ASL (EETNW – ASL)	
Address	1100 NE Circle Blvd., Suite 310 Corvallis, OR 97330 USA	
Phone & Fax	541-243-0973	
e-mail Address	Michael.Stanaway@ET.EurofinsUS.com	
# years in field	33 years	
Professional Association Memberships		
Education (degree)	School Name	Year
B.S Biology	Willamette University	1988
Minor Environmental Science		
Work History	Company	Year
1989-2017	CH2M HILL	28
2017-Present	Eurofins Environment Testing Northwest – ASL (EETNW – ASL)	5
Other Biographical Information (Interests, Hobbies, etc.)		
Fishing, Sports, Hunting		

Pacific Northwest Virtual Pretreatment Workshop
September 12 -14, 2022



Pacific Northwest Pretreatment Workshop
September 12-14, 2022



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Presentation Title	Establishing Flexible Local Limits	
Presentation Description (Short abstract to be used for CEU application)	Guidance for wastewater treatment plant and pretreatment program staff on how to establish flexible local limits.	
Name & Title	Joshua Balentine, National Pretreatment Technical Lead	
Employer	Brown and Caldwell	
Address	5100 Poplar Avenue, 27 th Floor, Memphis, TN 38137	
Phone & Fax	901.708.4333	
e-mail Address	JBalentine@brwnncald.com	
# years in field	11	
Professional Association Memberships		
Water Environment Federation		
Water Reuse Association		
NACWA		
Education (degree)	School Name	Year
B.S. Civil Engineering	University of Memphis	2010
Work History	Company	Year
Environmental Engineer & Pretreatment Program Manger	City of Memphis, TN	2010-2014 & 2017-2019
Environmental Engineer	Tetra Tech	2014-2017
Wastewater Engineer	PG Environmental	2019
National Pretreatment Technical Lead	Brown and Caldwell	2019 – Present
Other Biographical Information (Interests, Hobbies, etc.)		

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Presentation Title & Abstract:	Industrial User Surveys and Beyond.... Making IU surveys work for you, how to manage them, and what comes next.	
Name & Title	Julie Dufresne	
Employer	LOTT Clean Water Alliance	
Address	500 Adams St NE, Olympia WA	
Phone & Fax	360-528-5725	
e-mail Address	juliedufresne@lottcleanwater.org	
# years in field	19	
Professional Association Memberships		
WEF, CWEA Environmental Inspector I, APWA-WA PreFOG, Ecology Wastewater Operator III		
Education (degree)	School Name	Year
Bachelors of Science	Evergreen State College	2002
Work History	Company	Year
Other Biographical Information (Interests, Hobbies, etc.)		
I wear my Environmental Specialist/Pretreatment hat even when I am not at work. I am passionate about protecting the environment and those who live and work in it. However, in my free time, I am pretty much a home body. I keep busy with all my fur and feather babies, gardening, yard upkeep, and house upkeep, puzzles, reading books, and keeping up with my nieces and nephew on Genshin Impact. Outside of home, I trail hike with my dogs and kayak.		

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Presentation Title & Abstract:	Update on the Idaho Industrial Pretreatment Program	
Name & Title	Heidi Caye	
Employer	Idaho Department of Environmental Quality	
Address	1410 N Hilton St, Boise, Idaho 83706	
Phone & Fax	P: 208-373-0516 F: 208-373-0576	
e-mail Address	Heidi.Caye@deq.idaho.gov	
# years in field	Pretreatment – 4 months, Environmental – 16 years	
Professional Association Memberships		
NGAUS – National Guard Association of the United States		
Education (degree)	School Name	Year
MS Environmental Science	University of Idaho	2006
BS Environmental Studies	University of Utah	2000
Work History	Company	Year
Env Manager/Specialist	Idaho Air National Guard	2009-2017
Instructor	College of Idaho	2008-2009
Scientist	Idaho National Laboratory	2001-2005
Other Biographical Information (Interests, Hobbies, etc.)		
I enjoy canning/food preservation, weightlifting, and spending time with my two dogs. I volunteer on my HOA board and with the Southeast Boise Neighborhood Association.		

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Presentation Title & Abstract:	<ol style="list-style-type: none"> 1. Washington state pretreatment update 2. Categorical Determinations – Evaluating if an industry is covered under a categorical effluent guideline and how to incorporate this into a permit. 	
Name & Title	Maia Hoffman, Statewide Pretreatment Lead	
Employer	Washington State Department of Ecology	
Address	15700 Dayton Ave N, Shoreline, WA 98133 (physical) PO Box 330316, Shoreline, WA 98133-9716 (mailing)	
Phone & Fax	(425) 507-5681	
e-mail Address	maia.hoffman@ecy.wa.gov	
# years in field	7	
Professional Association Memberships		
Education (degree)	School Name	Year
Bachelor of Science; Chemical Engineering	University of Pittsburgh	2014
Work History	Company	Year
Environmental Engineer	General Motors	
Environmental Engineer (municipal facility permit manager; pretreatment)	Ecology	
Other Biographical Information (Interests, Hobbies, etc.)		

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Presentation Title & Abstract:	Latest on PFAS and Biosolids: The presentation will look at the latest information related to PFAS regulations, state and EPA, and how the water and wastewater industry is reacting. In an effort to address PFAS early on, some states are looking at PFAS limits for drinking water as well as land applied biosolids. We will also examine the potential impact of PFAS on the beneficial use of biosolids in agriculture and other reuse options based on the latest data and research. Finally, the webinar will review upcoming studies related to PFAS in biosolids and how to stay up-to-date on these efforts, and potential technologies that can address emerging contaminants such as PFAS.	
Name & Title	Rashi Gupta, PE – Vice President and Biosolids Technology Integration Lead	
Employer	Carollo Engineers	
Address	3150 Bristol St. Suite 500, Costa Mesa, CA 92626	
Phone & Fax	714-593-5100	
e-mail Address	rgupta@carollo.com	
# years in field	20	
Professional Association Memberships		
Water Environment Federation (WEF); WEF Residuals and Biosolids Committee; WEF RBC Solids Separation Subcommittee (Past Chair); WEF RBC Bioenergy Subcommittee		
California Water Environment Association (CWEA); Santa Ana River Basin Section of CWEA (Past President and Past Chair for Professional Development Committee)		
Education (degree)	School Name	Year
BS – Civil and Env. Engineering	Univ. of California, Davis	1999
MS – Environmental and Water Resources Engineering	Univ. of Texas, Austin	2001
Work History	Company	Year

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1	US Peace Corps (Kenya)	2001-2003
2	Carollo Engineers	2003-Present
Other Biographical Information (Interests, Hobbies, etc.)		
Long time supporter of Water for People; adopting difficult-to-place/senior dogs; tennis; Angels baseball (☹️); reading		

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Biographical Information

Speaker biographical information will be used by the Conference Planning Committee to apply for conference Continuing Educational Units (CEU) certification. Biographical information may also be used during speaker introductions. Please e-mail this information to Ken Grimm at keng@pprc.gov before **July 25, 2022**. If you have any questions, you may contact your PNPW sponsor.

Name & Title	Eric Martenson – Resident Agent in Charge EPA-CID will give a presentation on a plating shop that was discharging to an approved POTW in violation of pretreatment standards after employees tried to fool inspectors with non-functioning equipment. The plating shop's owner also made multiple false statements in an attempt to illegally dispose of hazardous wastes as non-hazardous waste in order to save money.	
Employer	Environmental Protection Agency – Criminal Investigation Division	
Address	Portland, OR	
Phone & Fax	503 326 3275	
e-mail Address	Martenson.eric@epa.gov	
# years in field	14	
Professional Association Memberships		
Education (degree)	School Name	Year
B.S.	US Coast Guard Academy	1997
Work History	Company	Year
	US Coast Guard – Active Duty	1993-2002
	US Coast Guard – Reserve	2003-Present
	US EPA	2002-Present
Other Biographical Information (Interests, Hobbies, etc.)		
- Youth Sports Coach		

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- | |
|---------------------------------|
| - Active Hiker and Skier |
| - Enjoys walking his three dogs |
| |

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Presentation and Biographical Information

Presentation and Speaker biographical information will be used by the Conference Planning Committee to apply for conference Continuing Educational Units (CEU) certification. Biographical information may also be used during speaker introductions. Please e-mail this information to **Ken Grimm** at kgrimm@pprc.org. If you have any questions, you may contact your PNPW sponsor.

Presentation Title & Abstract:	<p>Pretreatment Program Overhaul: From Whitepaper to Implementation</p> <p>Clean Water Services is a special sewer district that provides wastewater collection and treatment for more than 600,000 residents and hundreds of nondomestic wastewater customers throughout Washington County, Oregon. The EPA-mandated pretreatment program was created in 1972, our pretreatment program has been around since 1983. Over the decades like many POTWs, Clean Water Services only made a handful of changes to the pretreatment legal authority and program. We continue to see disruptions and complexities within our own water resource recovery facilities which have been impacted by the dramatic growth from high-tech industries and non-conventional pollutant parameters.</p> <p>The presentation will walk through the evolution of our program updates; including legal authority, enforcement response, local limits, and hauled waste. We continue to use the pollution prevention approach found in our mercury minimization program as we tackle other emerging pollutants of concern. These updated program elements have helped us achieve equitability, extensive collaboration with our industrial partners, and future resource recovery and reuse goals.</p>	
Name & Title	Joy Ramirez - Environmental Services Supervisor	
Employer	Clean Water Services	
Address	2550 SW Hillsboro Highway	
Phone & Fax	503-681-5147	
e-mail Address	ramirezj@cleanwaterservices.org	
# years in field	14	
Professional Association Memberships		
PN-ACWA		
WEF		
Education (degree)	School Name	Year
None	Thomas Edison University	2014
	Northern Arizona University	2012
Work History	Company	Year
	Clean Water Services	2016 - Present
	City of Maupin	2014
	Grand Canyon National Park- AZ	2011

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	Kellogg Brown and Root- Iraq	2010
	City of Azle-Texas	2008
Other Biographical Information (Interests, Hobbies, etc.)		

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Presentation and Biographical Information

Presentation and Speaker biographical information will be used by the Conference Planning Committee to apply for conference Continuing Educational Units (CEU) certification. Biographical information may also be used during speaker introductions. Please e-mail this information to **Ken Grimm** at keng@pprc.org before **July 25, 2022**. If you have any questions, you may contact your PNPW sponsor.

Presentation Title & Abstract:	Implementing and Updating Enforcement Response Plans	
	This presentation will focus on helping sewer agency's pretreatment staff to craft an enforceable and legally defensible enforcement response plan.	
Name & Title	Al Garcia – Pretreatment Coordinator	
Employer	EPA Region 8	
Address	1595 Wynkoop	
Phone & Fax	303.312.6382	
e-mail Address	garcia.al@epa.gov	
# years in field	24	
Professional Association Memberships		
Education (degree)	School Name	Year
Bachelor of Science degree	U. of Northern Colorado	
Work History	Company	Year
	Littleton Englewood Pretreatment Program	1995 to 2007
	EPA Region 8 Pretreatment Coordinator	2008 to present
Other Biographical Information (Interests, Hobbies, etc.)		
Music, Mountain biking, snowboarding, other sports and life activities where you crash hard		