



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Addressing groundwater taste-and-odor issues

Presenter: Pierre Kwan Title: Water Treatment Technical Director

Employer: HDR Engineering, Inc. Address: 600 Union Street, Suite 500

City: Seattle State: WA Zip: 98101 Phone: 206-826-4735

Summary of Lesson content: This presentation talks about common causes of taste-and-odor issues in groundwater and how to address them.

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: 27 years of professional engineering experience in Oregon and Washington helping public and private water systems produce safe, clean drinking water

Education (High School, Upgrades, Colleges and Degrees): B.S. in Civil Engineering from The Ohio State University
M.S. in Civil Engineering from the University of Washington

Professional Registration/Certification: Oregon Professional Engineer (85841PE)

Related papers/instruction you have presented:

Title: None Date: _____ Event: _____

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities: Pacific Northwest Section of the American Water Works Association Date: 2000 to present

Date: _____

Course sponsor: _____

Signature of Instructor: Kwan, Pierre Kwan, Pierre
2026.08.26 16:55:19-07'00' Date: August 26, 2026

DO NOT WRITE BELOW THIS LINE

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

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P.O. Box 577 Phone: 503-698-6486
Canby, OR 97013-0577



Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Case Studies Using Utility-Staffed Taste and Odor Panels to Optimize Groundwater Supplies

Presenter: Alex Mofidi Title: _____

Employer: Confluence Engineering Group LLC Address: 517 NE 92nd Street

City: Seattle State: WA Zip: 98115 Phone: 206-866-4562

Summary of Lesson content: Small systems typically do not have water quality staff dedicated to resolving taste and odor (
issues within their systems. This presentation will summarize case studies from two small groundwater-fed water

systems in Washington. These case studies describe the utilities forming ad-hoc, internal testing panels that conducted T&

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: Alex is based in Seattle and has 35 years of experience optim

Education (High School, Upgrades, Colleges and Degrees): BS and MS Civil Engineering

Professional Registration/Certification: Licensed PE (OR, WA, CA, ID, TX, IL)

Related papers/instruction you have presented:

Title: Process Control and Treatment Optin Date: May 2022 Event: PNWS AWWA Annual Conference

Title: Using Water Quality Risk Manageme Date: May 2018 Event: PNWS AWWA Annual Conference

Professional Organizations/Activities:

_____ Date: _____

AWWA _____ Date: 1991 to present

Course sponsor: PNWS AWWA

Signature of Instructor: d8a51a3d-5742-447b-b68b-43fe07584e89 Date: 08-29-2026

Digitally signed by d8a51a3d-5742-447b-b68b-43fe07584e89
DN: cn=d8a51a3d-5742-447b-b68b-43fe07584e89
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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: When Pristine Isn't Perfect: Tackling Taste and Odor in Northwest Surface Water

Presenter: Ali Leeds Title: Engineer / Project Manager

Employer: Carollo Engineers Inc. Address: 1200 5th Ave Suite 900

City: Seattle State: WA Zip: 98144 Phone: 206-538-5169

Summary of Lesson content: Our pristine NW waters provide growing environments for naturally occurring algae which may produce compounds that cause taste and odor issues. This presentation will focus on common source water

conditions in surface waters that result in taste and odor compounds, and the evaluation and treatment of them.

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: Design engineer - working in the industry for almost 2 decades
Work has focused on pretreatment for surface waters in the northwest.

Education (High School, Upgrades, Colleges and Degrees): MS in Engineering, University of California, Berkeley

Professional Registration/Certification: PE in OR - 95031, PE in WA - 50941

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities:

Member of PNWS AWWA and national AWWA Date: Current

Lead Author, Chapter 9, M37 Coagulation, Clarification & Filtration in Water Treatment Date: 4th Ed.

Course sponsor: Water Treatment Committee, PNWS-AWWA

Signature of Instructor: Ali Leeds Date: 8/27/2026

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Advances in Monitoring of T&O Compounds: Going Beyond MIB and Geosmin

Presenter: Susheera Pochiraju Title: Senior Principal Engineer

Employer: Hazen and Sawyer Address: 1400 E Southern Ave, Ste 340

City: Tempe State: AZ Zip: 85282 Phone: 7203238138

Summary of Lesson content: This session provides utility personnel including analysts, operators, scientists and engineers with practical knowledge and guidance on selecting and implementing T&O monitoring methods

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: PhD in T&O monitoring, occurrence and treatment optimization

Education (High School, Upgrades, Colleges and Degrees): Doctoral degree.

Dissertation Title: A Study on Occurrence and Treatment of 18 T&O Compounds in Drinking Water Utilities

Professional Registration/Certification: PE (Colorado)

Related papers/instruction you have presented:

Title: Beyond MIB and Geosmin: An In-dep Date: 2022 Event: ACE

Title: Effective T&O Control with Source-to Date: 2025 Event: ACE

Professional Organizations/Activities:

_____ Date: _____

AWWA Aesthetic Quality and Perception Committee - Vice Chair

Date: 2023-2025

Course sponsor: _____

Signature of Instructor: Susheera Pochiraju

Digitally signed by Susheera Pochiraju
dn: cn=Susheera Pochiraju, o=Hazen and Sawyer, cn=Susheera Pochiraju
Reason: I agree to the terms defined by the placement of my signature on this document
Date: 2023.08.25 20:24:32 -0700

Date: _____

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Instructor Background And Information Form

Thank you for filling out this form.

Presentation Title: Using FPA and FRA in pilot testing and distribution system monitoring to evaluate taste and odor

Presenter: Anna Vosa Title: Water Quality Engineer

Employer: City of Portland Address: 4544 NE Mason St

City: Portland State: OR Zip: 97218 Phone: 971-322-9864

Summary of Lesson content: This session will provide a half-hour of instruction by a professional engineer and water quality professional on evaluating water quality outside of standard compliance monitoring, with case studies from

Portland Water Bureau that include treatment studies and monitoring after a wildfire.

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: PNWS-AWWA Date: 2006-2026

AWWA Date: 2006-2026

Course sponsor: PNWS-AWWA

Signature of Instructor: Anna Vosa Digitally signed by Anna Vosa Date: 2026.08.26 17:11:39 -07'00' Date: 8/26/2026

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Thank you for filling out this form.

Presentation Title: Senses and Tastes - Taste and Odor Analysis in action

Presenter: Liz Cruise Title: Senior Water Quality Analyst

Employer: Seattle Public Utilities (SPU) Address: 800 S Stacy St

City: Seattle State: WA Zip: 98134 Phone: 206-218-9476

Summary of Lesson content: An introduction to SPU's methods for taste and odor. This will include a hands-on demonstration to learn about water tasting analysis, SPU's panel, and how the data is used.

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: Subject matter expert in SPU taste and odor methodology
- 30 years experience.

Education (High School, Upgrades, Colleges and Degrees):
Seattle University - BS Biology 1994

Professional Registration/Certification: _____

Related papers/instruction you have presented:

Title: _____ Date: _____ Event: _____

Title: _____ Date: _____ Event: _____

Professional Organizations/Activities:
NALMS Date: _____

AWWA Date: _____

Course sponsor: _____

Signature of Instructor: Elizabeth Cruise Date: 8/27/26

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