

# Residual Chemicals and Infiltration of Reclaimed Water: A Scientific Study to Support Local Decision-making

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**Abstract:** Community questions and concerns led the LOTT Clean Water Alliance to begin a multi-year scientific study to answer questions about residual chemicals in reclaimed water, what happens to them in the environment, and risks they may or may not pose to drinking water, human health, and environmental health when infiltrated to groundwater. The study team has also faced the challenge of how best to engage the community in this complex topic.

**Presenters: Karla Fowler and Jeff Hansen**

## Professional Backgrounds:

**Presenter:** Karla Fowler  
**Title:** Community Relations and Environmental Policy Director  
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**Professional Background:** Karla Fowler is the Director of Community Relations and Environmental Policy for the LOTT Clean Water Alliance, the utility that treats wastewater and produces reclaimed water for the Lacey-Olympia-Tumwater urban area in the state of Washington. Karla oversees reclaimed water and water conservation programs, public information and public involvement, LOTT's Water Education and Technology (WET) Science Center, environmental evaluations, and regulatory permitting. Karla has worked for LOTT for more than 18 years. She is President of the Water Reuse Pacific Northwest section of the Water Reuse Association, Board member of the Coalition for Clean Water, and member of the Water Environment Federation and Pacific Northwest Clean Water Association's Water Reuse Committee.

**Presenter:** Jeff Hansen  
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**Professional Background:** Jeff Hansen is a Project Manager with HDR Engineering. He has an undergraduate degree in Civil Engineering from the Missouri University of Science and Technology, and a Masters Degree in Civil & Environmental Engineering from the

University of Washington. Jeff has 15 years of experience working on a range of water and wastewater utility planning and design efforts. He assists utilities with planning for and implementing reclaimed water projects in the Pacific Northwest. He is a member of AWWA, WEF, Pacific Northwest Clean Water Association, and the recently formed Pacific Northwest Section of the WaterReuse Association.