

# Pacific Northwest Virtual Pretreatment Workshop

## November 2, 3, 9, 10, and 16, 2021



## 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. Presentation information will be printed in advertising materials and agendas. Please e-mail this information to **Andria Swann** at ([andrias@sumnerwa.gov](mailto:andrias@sumnerwa.gov)) on or before **October 10, 2021**. If you have any questions, you may contact your PNPW sponsor.

<b>Presentation Title</b>		
<b>Presentation Description</b> (Short abstract to be used for CEU application)	<p>Pesticides from flea and tick control products such as topicals, collars, foggers and sprays are making their way down indoor drains, through wastewater treatment plants and into our local waterways, sometimes at concentrations that appear to be above aquatic toxicity thresholds. Further, the California Department of Pesticide Regulation (DPR) has been reviewing fipronil, the active ingredient in many common pet spot-on topicals, due to possible human health risks. In the event that DPR may seek mitigation or substitutions for that pesticide, government and research agencies in the San Francisco Bay Area have been evaluating chemical and physical alternatives, with the intent of avoiding regrettable substitutions. This presentation will summarize:</p> <ul style="list-style-type: none"> <li>(1) Dog-washing, collection system, and effluent studies from DPR and the San Francisco Estuary Institute</li> <li>(2) P2 alternatives analysis</li> <li>(3) P2 outreach messages</li> <li>(4) Feedback from veterinary professionals</li> </ul>	
<b>Name &amp; Title</b>	Stephanie Hughes, Senior Lecturer/Consulting Engineer	
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<b># years in field</b>	20+ years	
<b>Professional Association Memberships</b>		
unknown		
<b>Education (degree)</b>	<b>School Name</b>	<b>Year</b>
MS Chemical Engineering	Stanford University	
MS Civil/Environmental Engineering		
BS Chemical Engineering	University of Minnesota	
<b>Work History</b>	<b>Company</b>	<b>Year</b>
Senior Lecturer	Santa Clara University	2008 - Present
Sole Proprietor	Consultant	2008 - Present
<b>Other Biographical Information (Interests, Hobbies, etc.)</b>		
Hiker		
Gardening		