



Laurentian
SETAC



Laurentian Chapter of the Society of
Environmental Toxicology and Chemistry

Southern Ontario Pub Night

**“ECCC’s Wastewater Monitoring
Program: Evaluating Chemical Substances in
WWTPs across Canada.”**

**Dr. Sarah Gewurtz
ECCC**

When: Wed Oct 30th 2019 , 6:30 p.m. – 8:30 p.m.

Where: Emma’s Back Porch

2084 Old Lakeshore Rd, Burlington

Cost: \$2 members/\$4 non-members

Join us for an engaging talk, delicious food, cozy atmosphere
and fine brew!

Please RSVP to [Melanie Appleton](mailto:melanie.appleton@ontario.ca)
[melanie.appleton@ontario.ca]

Visit our website: <http://www.laurentiansetac.ca>

Abstract

Environment and Climate Change Canada (ECCC)'s Wastewater Monitoring Program was established in 2008 in recognition of the importance of wastewater effluent and biosolids as routes of entry of chemical substances to the environment. Since that time, we have monitored over 400 substances of concern in over 40 wastewater treatment plants (WWTPs) across Canada. The program has generated an extensive dataset shown to be very valuable for assessing the occurrence and fate of chemical substances during wastewater and solids treatment and determining if control measures are needed to prevent substances of concern from entering municipal wastewater. This presentation uses recent data to discuss the role of factors (such as population served) on substance concentrations found in influent, the impact of water and solids treatment processes as well as seasonal effects on chemical removal, and the role of WWTPs as a local pathway of contaminants to both temperate and Arctic environments.

Biography

Sarah Gewurtz is proud to be the newest member of ECCC's Wastewater Monitoring Unit. She has spent much of her career conducting monitoring and surveillance studies on trace contaminants in the environment. She received a B.Sc. at the University of Guelph, a M.Sc. at the University of Windsor, and a Ph.D. at the University of Toronto, where she focused on studies related to environmental science, particularly on the fate and transport of contaminants. She completed a Post-Doctoral Fellow at the Ontario Ministry of the Environment, Conservation, and Parks. Besides her work at ECCC, she has worked as a Risk Assessor at GHD.