

9:00 am - 10:00 am ● **Keynote Address: Sara Hager** (45 min presentation, 15 min Q&A)

9:00 am - 10:00 am ● **Part 8 Panel Discussion:** Bill Goodale (*Tatham Engineering Ltd.*), Danielle Ward (*Adams Brothers*), Kevin Warner (*Cambium Inc.*), Brad Smale (*Township of Norwich*)

Case Studies

Technical Talks

Workplace/Small Business Issues

▶ **Case study of the MontHill Golf Club onsite sewage system**

Madeline Carter
GM Blueplan
Katherine Rentsch
C.F. Crozier

▶ **Quebec food processing plant: system design and performance review**

Dominic Mercier
Eljen

▶ **Design, challenges, and operation for a large manufacturing facility with enhanced nitrogen removal**

Greg Corman, Brady Straw
Waterloo Bio filter
Ian Hutcheson
Hutcheson Sand & Gravel

▶ **How to properly size effluent pumps for septic tank effluent systems**

Steve Ritsema
Liberty Pumps

▶ **Innovative application of electroflotation technology for microbrewery wastewater treatment**

James Arambarri
ORWC/Guelph University

▶ **Nitrification, challenges and optimization for the onsite systems**

Hamed Mahdavi
RH2O

▶ **Health Anxiety**

Jack Veitch
Mental Health Works
Nancy Hood
Mental Health Works

▶ **The workforce dilemma: attracting, training and retaining talent**

Alex Morales
National Precast Association

10:00 am - 11:30 am

● **MTO Regulatory updates**
Hank Dubee
MTO Safety & Enforcement

9:00 am - 10:00 am

Case Studies

Technical Talks

Decentralized Discussion

▶ **RBC retrofits – two communities, two approaches**

Carolyn Chan
GM Blue Plan

▶ **Chicken farm system design case study and MOE approvals discussion/negotiations**

Derk Maat
Scicorp

▶ **Phosphorus removal from agricultural runoff**

Chris Jowett
Waterloo Biofilter

▶ **Combined treatment and dispersal (CTD) systems: what, how and why**

Dick Bachelder
Infiltrator

▶ **OOWA best practice review**

Jeremy Kraemer
Cambium Inc
Kevin Warner
Cambium Inc

▶ **Helping regulators reconcile the specs of provided sand samples with what comes from the pit**

Eugene Trusler
Hutcheson Sand & Gravel

▶ **Peterborough area decentralized system case study**

John Levie
Clearford/ASI

▶ **Cradle to completion: Story of an 8 year process of negotiation, approval and completion**

Anne Egan
R.J. Burnside

10:00 am - 12:00 pm

12:00pm - 12:30pm

● **Case Studies Q&A**
with Madeline Carter, Katherine Rentsch, Dominic Mercier, Greg Corman, Brady Straw and Ian Hutcheson

● **Technical Talks Q&A**
with Steve Ritsema, James Arambarri and Hamed Mahdavi

● **Work Place/Small Business Issues Q&A**
with Alex Morales and Nancy Hood

12:00pm - 12:30pm

● **Case Studies Q&A**
with Carolyn Chan, Derk Maat and Chris Jowett

● **Technical Talks Q&A**
with Dick Bachelder, Jeremy Kraemer, Kevin Warner, and Eugene Trusler

● **Decentralized Discussion Q&A**
with John Levie and Anne Egan

5:00pm - 6:00pm Annual General Meeting
6:00pm - 7:00pm Social Hour

** this agenda is subject to change*

▶ **PRE-RECORDED**
● **LIVE**