OVERVIEW OF GUELPH FACILITY
FOR RESEARCH AND DEMONSTRATION OF WASTEWATER TECHNOLOGIES

- Located at the Guelph Wastewater Treatment Plant
- Total building footprint = 3750 ft²
- Access: 12’W x 12’H to main testing area; 8’W x 7’H to sludge room
- On-site parking
- Remote controlled pumps
- 5 testing stations available (Three main stations: ≈ 18’L x 14’W; Two sludge room stations: ≈ 14’L x 13’W)
- Access 24 hours per day, 7 days week

- Up to 0.16 MGD (US) of effluent delivered to the platform via 3 pipes:
  - Pipe 1: Secondary or Tertiary Effluent (50 usgpm)
  - Pipe 2: Raw Sludge (9 usgpm) or Waste Activated Sludge (20 usgpm)
  - Pipe 3: Raw Wastewater or Primary Effluent (40 usgpm)
- On-site ecotoxicology research facility
- Sample preparation space
- Winter heating and summer ventilation
- Potential for formal collaborations with researchers across SOWC
- Built in partnership with University of Guelph

Additional services available:
- Sample transport analysis
- Report preparation
- Technical assistance/trouble-shooting
- Access to bench space in analytical labs
- GC/MS
- TOC Analyzer
- Real-time PCR machine
- Respirometer
- Microplate Reader

Lab Equipment
Two newly renovated SOWC Wastewater labs, located at the University of Guelph, are equipped with:
- GC/MS
- TOC Analyzer
- Real-time PCR machine
- Respirometer
- Spectrophotometer
- Microplate Reader
- Digital Fluorescence Microscope
- Milipore Water System
- Incubator/Incubator Shakers
- Bio-Safety Cabinet
- AirClean Systems Workstation
- Centrifuge
- Walk-in cold room, low and ultra-low temperature freezers for sample storage

For more information:
Brenda Lucas
Executive Director
brenda@sowc.ca
519-888-4567 x31745