Onsite Wastewater Technology Testing and Evaluation

Chris Kinsley, M.Eng., P. Eng.

Testing Facility Staff

- Chris Kinsley, M.Eng., P.Eng. – Site Manager
- Anna Crolla, M.A.Sc., P.Eng. – Lab Manager
- Lyn Zhu, B.Eng., Env. Tech. – Environmental Technician
- Eric Brunet, B.Env.Design - Field Technician
- Renée Montpellier, Chem Eng. Tech – Lab Technician
- Graduate, Coop and Summer Students

Environmental Quality Lab

- BOD, Solids, Bacteria and Nutrients

Technology Evaluation Studies

- Applied Research Studies

Field Testing Studies

- Environmentally friendly technology evaluation studies

Applied Research Studies

- Multidisciplinary research projects

- Innovation and development of new technologies
Certification Testing

1. Company contracts with NSF to certify a technology to one or more standards
   - CAN/BNQ 3680-600
   - NSF/ANSI - 40
   - NSF/ANSI - 245
   - NSF/ANSI - 350
2. ORWC carries out the certification testing for NSF
3. NSF certifies the technology

CAN/BNQ 3680

- 12 month test
- Influent quality must be Avg. > 200 mg/l BOD/TSS
- T maintained at >10°C in winter
- Test to different levels
  - Basic (cBOD5/TSS)
  - Nitrogen
  - Phosphorus
  - Disinfection

Dosing Tank

Settling Chamber

Controller

Gravity Feed
Thank you!