

**BCOSSA 21st AGM,
Conference & Trade Show
Kamloops November 3 & 4, 2017
Coast Kamloops Hotel & Conference Centre
1250 Rogers Way, Kamloops, BC**



BCOSSA Conference Speakers Kamloops November 3, 2017
November 3rd speakers

Ineke Kalwij, PhD, P.Eng., Hydrogeologist/ Kalwij Water Dynamics Inc.
Hydrogeological Concepts & Applications and Groundwater Regulation



Ineke Kalwij is a hydrogeologist and engineer with over 20 years of professional experience in the water sector through consulting, science (academia), and applied research. Ineke owns and operates Kalwij Water Dynamics, a consulting company which specializes in hydrogeology, groundwater engineering and water management. For further information see <http://www.waterdynamics.ca>.

The topics addressed in this presentation are hydrogeological concepts and selected groundwater management applications. A groundwater model (tank) will be on display to clarify hydrogeological concepts such as well interference and contaminant flow. On February 29, 2016, the Water sustainability Act and related regulation was brought into force. In this presentation Ineke will discuss some aspects of the groundwater-related regulation.

Frank Hay/CEO Pinnacle Environmental

New Technology for the Canadian Onsite Wastewater Industry



Mr. Hay has been involved in the sewage wastewater treatment industry since 1980 and has manufactured and serviced sewage treatment plants of different types such as suspended growth, extended aeration, activated sludge return, fixed film attached growth media, sequencing batch reactors, rotating biological contactors and membrane biological reactors. Mr. Hay is the designer and developer of the NOMADIC™ mobile wastewater treatment systems and is the author of several publications for wastewater

treatment technical manuals, maintenance & monitoring manuals and trade articles.

Mr. Hay is one of the leaders in the development of the Registered Onsite Wastewater Practitioner program implemented in B C.

Mr. Hay is a BC Registered Onsite Wastewater Practitioner (ROWP), and a BC Sewerage System Professional (SSR) and a Canadian Onsite Wastewater Professional Technician (OWPTech).

Frank Hay is an ROWP (PL, IN and MP) and will present the typical in-the-field maintenance steps for EnviroSeptic® systems, submerged trickling filter technologies and the PROTECTOR™ Ultra-Violet units.

Frank will also provide copies of recommended maintenance documents to be included with the Maintenance Plan that is to be filed with the health authorities.

Garth Nye/Principle G Nye & Associates
Pumps & controls wired & wireless



Garth Nye has 30 + years of experience with Water Systems, acquiring extensive and varied expertise with the design, supply and construction for Potable, Wastewater Systems. Trained as a Stationary Power Engineer, within the Province of BC, Garth has employed the use of hydraulics, mechanical, remote controls and pressure principles to provide hundreds of water systems over the past three decades. Formerly a Principle and

Partner with Van Isle Water Services Ltd., Distributors of Pumping and Water Systems Equipment and Controls throughout BC, for 31 years. In the spring of 2013, Garth formed G Nye and Associates Inc., a Manufacturers' Representative (Incorporated) Company, to provide technical and marketing support to leading manufacturers for water systems equipment throughout BC and Alberta. <http://www.gnyeinc.com/>

Garth will present application of submersible and surface pumps and motor controls for the wastewater industry.

Ryan Parker/OSI Eagle Engineering Ltd.

Advantex® Treatment System Routine Maintenance & Troubleshooting



Ryan is an R.O.W.P (Installer & Maintenance Provider) and EOCP certified Operator. He has been maintaining onsite sewerage systems since he was in high school. Ryan helped build the (WOWTC) Training Center at Royal Roads when BCOSSA was first founded by his father Ron Parker in the 1990's. Onsite Systems Inc. was the first company to introduce the infiltrator chamber, the Stormtec chamber, the Nibbler system, the Recirculating and Intermittent Sand

Filters and the Advantex Treatment systems to British Columbia. Onsite Systems Inc. is a leader when it comes to finding solutions for tough, difficult sites seeking development. Ryan is now the President of Onsite Systems Inc. and manages its day to day operations with 5 employees.

Ryan will present Advantex® Treatment System Routine Maintenance & Troubleshooting.

Lisa Rogers/ MSc. Elk/Beaver Lake Initiative Coordinator
Parks & Environmental Services Victoria CRD

Phosphorus Trends in Two Coastal Freshwater Lakes and Implications for Causal Loading Factors



Lisa earned her B.Sc. in Environmental Science from Humboldt State University in Arcata, California in 2009, with emphasis in Landscape Ecology. Lisa worked as an Environmental Regulatory consultant in the U.S. from 2009-2013, where she was an expert in regulatory compliance for wetlands and waters of the U.S. Lisa did her Master's work at the University of Victoria from 2013-2015, and earned her M.Sc. in Biology in 2015 for her work on nutrient trends in freshwater lakes and phosphorus transport in small rural watersheds. Lis is currently working as a Watershed Specialist for the Capital Regional District in Victoria, and serves as the Elk/Beaver Lake Initiative Coordinator.

Lisa will be presenting a portion of her Master's Thesis and some additional information on the results of a septic monitoring project on St. Mary Lake, Salt Spring Island.

November 4th Courses

Ineke M. Kalwij/Kalwij Water Dynamics Inc.

An Introduction to Hydrogeology and Groundwater Management

This practical and informative seminar is tailored towards attendees who wish to have a better understanding of hydrogeological and groundwater management concepts.

\$40.00 plus tax

With exam obtain EOCP credits

Jeff Hay/JDH Services

Onsite System Maintenance

This course covers the maintenance of all types of systems, treatment methods and distribution. This course covers essential maintenance items and common problems that can occur with type 1, 2, 3 systems and distribution including conducting observations, methods of testing and maintenance reporting.

Meets course requirement for ASTTBC Maintenance Provider (MP) and CEU credits