



Mark your calendars!

2019 BCGWA Trade Show, Convention & AGM

April 9, 10 & 11, 2019, Coast Langley Hotel & Convention Center, Langley BC

Highlights:

- ★ Tuesday Evening (Apr 9) Meet and Greet Social
- ★ Keynote Speaker Gary Hix, NGWA McElhiney Lecturer
"Drilling markets change – so must we"
- ★ Trade Show Open House and Silent Auction
- ★ 2 – Day Well Drillers Course
- ★ President's Gala Banquet
- ★ Flowing Artesian Well Panel Discussion



special room rates for delegates

Full 2-Day

Delegate Package:

\$500 +tx BCGWA members

\$550+tx Non-members

\$400 +tx Spouse, addl
employee, or addl booth
participant

Trade Show Booth:

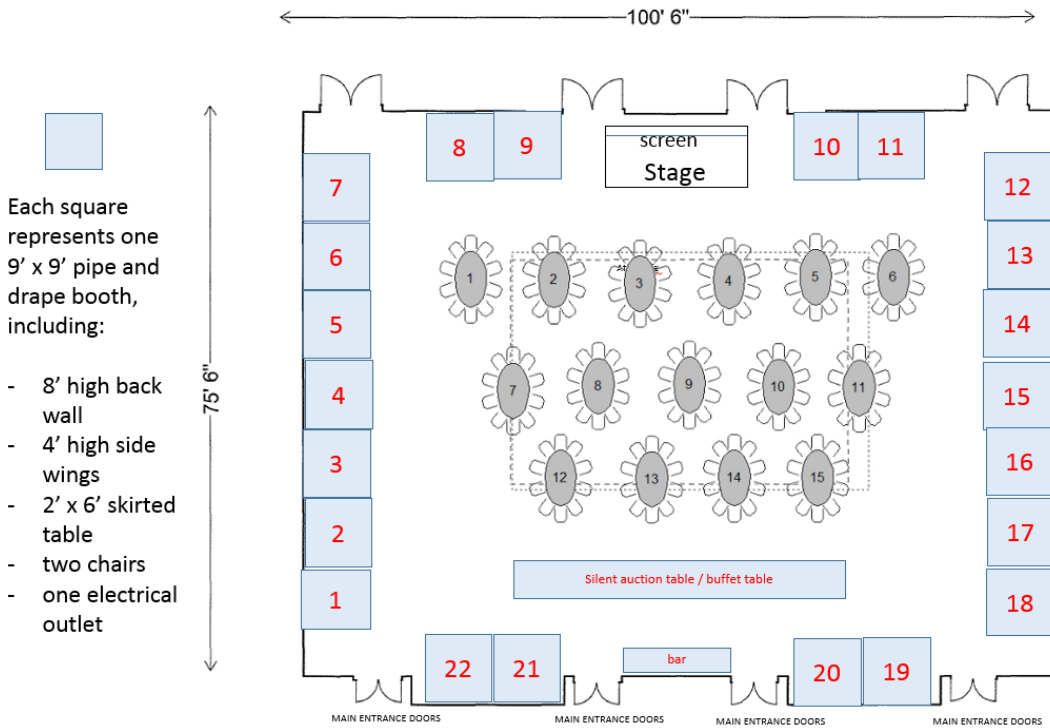
\$750 + tx
(includes 1 full 2-day
delegates package)

2-Day Well Drillers Course:

\$700+tx
(includes breakfasts, lunch &
trade show)

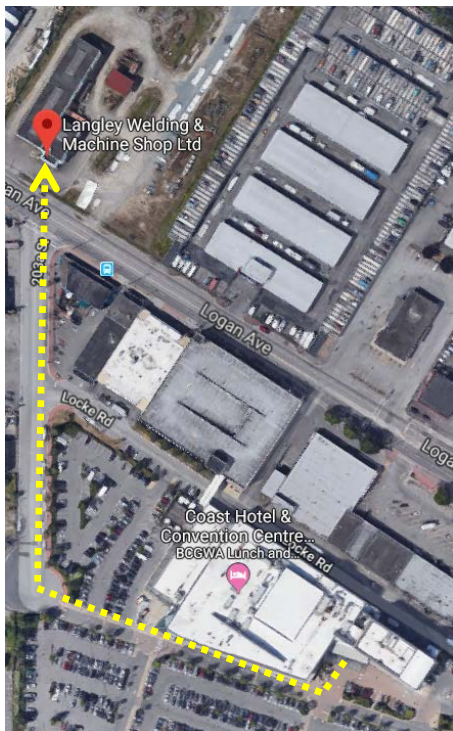
Registration available on-line at www.bcgwa.org

TRADE SHOW



Exhibitors will be at the center of the action, with meals, talks, and silent auction planned in the Trade Show area this year

DRILL RIG DISPLAY



Thank you to **Langley Welding and Machine Shop** for offering to host our drill rig display, a 5min walk from the convention

Free space available to delegates / exhibitors





CALENDAR OF EVENTS

TRADE SHOW SET-UP MEET 'N GREET

Tues 7:00 – 10:00 pm Thank you to Andrew Sheret Ltd and Grundfos for sponsoring our Trade Show Meet n' Greet. Take this opportunity to set up early and reconnect with your colleagues with a free drink in hand!



48th ANNUAL GENERAL MEETING

Wed 8:30-11:30 am



Breakfast
For Directors and AGM
Attendees: 7:30am – 8:30am

Tentative AGM Agenda:

- Our 2018 Financial Report
- Election of 2019+ Board of Directors and Executive Committee
- Reports from the President, MD, and Board of Directors
- Business from the 2018 AGM and New Business

The following positions are open and will be voted upon at the AGM:

- President
- Vice President
- Treasurer
- Vancouver Island Region Director
- Water Well Driller Director

All members are welcome to attend the meeting, but only Full (Corporate) members can vote or stand for election.



CALENDAR OF EVENTS

KEYNOTE ADDRESS

Wed 12:00 – 1:00 pm

We are excited to welcome this year's NGWA William A. McElhiney Distinguished Lecturer, Gary Hix, to our event. Mr. Hix has been a water well driller and registered geologist for nearly 40 years. His keynote address, entitled "Drilling Markets Change, So Must We" talks about how to we can adapt to economic and technological changes in the drilling industry to maintain profitability.



TRADE / TECHNICAL TALKS

Wed 1:00 – 3:30 pm

- ☐ Tim Lambert, Mike Nolan, Aline Bennett , BCWWA - Water System Risk Management Planning: developed by the Ministry of Health, EGBC, and other members of the water community
- ☐ Dr. Diana Allen, Dept of Earth Sciences, Simon Fraser University - Flowing Artesian Well Risk Mapping in BC
- ☐ Amy Sloma, MoECCS - Updates on mapping and groundwater science projects; updates on compliance initiatives
- ☐ Lindsay Macfarlane, MoECCS - update on GWELLS
- ☐ **Engagement Sessions** with MoECCS and MoFLNRORD staff

TRADE SHOW OPEN HOUSE, JOB FAIR & SILENT AUCTION

Wed 3:30 – 6:00 pm

Come meet the people and companies who work with groundwater in your community. Looking for a rewarding and challenging career in our industry, bring your resume!





CALENDAR OF EVENTS

PRESIDENT'S GALA BANQUET Wed 7:00 – 11:00 pm



Join us for a fabulous plated dinner and live entertainment. What are we feuding about? Let's find out!!



TRADE / TECHNICAL TALKS

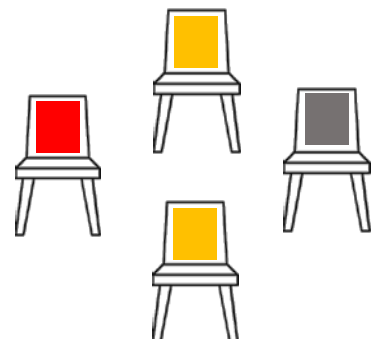
Thurs 9:30 am – 12:00 pm, 2:00 – 2:30 pm

- ☐ Jill Sacre, Golder Associates - Groundwater as an emergency water supply
- ☐ Ward VanProsdij, Associated Environmental - WSA (British Columbia) <-> SGMA (California)
- ☐ Jerry Holzbecher, ALS Global - Field sampling considerations and best practices for dissolved metals
- ☐ Andre Laforest, Stantec Consulting – TBA
- ☐ Dalton Pajak, Waterline Resources - Using Geophysics as a tool for Groundwater Exploration
- ☐ Worksafe BC - Contractor safety, including confined space entry
- ☐ Alex Dumitrescu – Rice Resource Technologies - TBA
- ☐ TBA, Miller Thomson LLP - Contract language for well construction

FLOWING ARTESIAN WELL PANEL DISCUSSION

Thurs 1:00 – 2:00 pm

Join us in a post-luncheon panel discussion on Thursday to discuss how our industry can be proactive on preventing uncontrolled flowing artesian wells and their inherent consequences. We are excited to welcome David Slade (Drillwell Enterprises), Nick Sargent (formerly Golder Associates), Doug Geller (Western Water Associates), and Miller Thomson LLP to the panel.





WELL DRILLERS' COURSE

Our 9-hour well drillers' course is designed to provide a general overview of the knowledge and skills essential to working as a water well or geotechnical/environmental well driller in BC. The course is suited to those wishing to sharpen their knowledge of drilling fundamentals and to those preparing to challenge the Industry Training Authority (ITA) driller certification exam.

Course registration includes 2 breakfasts, coffee breaks, 2 lunches, and admission to the President's Gala Banquet on Wed April 10

Day	Driller Class	Time	Subject	Subject Detail
Wednesday April 10	All drillers (Water Well and Geotech/Enviro)			BREAKFAST
		8:30 - 10:00 am	Geology and Hydrogeological Principles	Geology, hydrologic cycle, sediment logging Groundwater occurrence, aquifer properties, controlling artesian flow Regulations and reporting requirements
				COFFEE BREAK
		10:30 - 11:30 am	Workplace Safety & Environmental Regs	Safety procedures wrt common hazards (machinery, gases, substances, environmental) Proper use of hand and power tools
				LUNCH
		1:00 - 4:00 pm	Drilling methods & Hydraulic systems	Hydraulic systems (principles of operation, basic components, failures and causes, maintenance) Sonic, auger, and boring drilling COFFEE BREAK High volume air systems, air rotary, dual rotary drilling Mud rotary, cable tool, and air hammer drilling Drilling bits, fluids, grouts
Thursday April 11	Water Well Drillers			BREAKFAST
		9:00 - 11:30 am	Water well design & Well pumping systems	Water well construction (types of wells, sizing and sealing casing, setting screens and filter packs) Well development, disinfection, rehabilitation, decommissioning Well pump types, applications, maintenance, troubleshooting COFFEE BREAK Pump electrical, pumping tests
				LUNCH
	Geotech/Enviro Drillers			BREAKFAST
		9:00 - 11:30 am	Groundwater contamination & monitoring	Groundwater contaminant sources, transport GW and soil vapour monitoring installations Types and applications of monitoring devices in wells, water quality sampling COFFEE BREAK Borehole closure
				LUNCH

INSTRUCTORS

Mark MacNeil (Geotech Drilling), Bill Tuytel (Downrite Drilling), John Vlcek (Cariboo Water Wells), Ron Nelson (Precision Service & Pumps) Thom Hanna (Aquaseptance Group), Ineke Kalwij (Kalwij Water Dynamics)

ITA CERTIFICATION EXAM INFORMATION

Taking the Well Drillers' Course does not automatically qualify you to challenge the ITA water well driller or geotechnical/environmental driller exam. To qualify, your application must be approved by the ITA. For more information, go to:

There will be no ITA exam offered at this year's BCGWA convention.

Approved candidates can request to write their exam at one of the regularly scheduled exam sessions (12 locations) across the province or at a local Services BC office (60 locations).

<https://www.itabc.ca/program/geotechnicalenvironmental-driller>
<https://www.itabc.ca/program/water-well-driller>

For more information, go to:

<https://www.itabc.ca/exams/writing-your-exams>