

PROCESS ENGINEER (Chemical, Mechanical, Hydrometallurgical or Mining) MINE WATER TREATMENT (Vancouver, BC)

We're growing! Design something interesting. Work on game-changing technology. Make a difference.

How often does an opportunity come along to work on processes that provide the mining industry with advanced solutions to develop and manage projects in an environmentally responsible manner?

Contribute to protecting the environment by helping mining companies meet stringent water quality regulations cost effectively, minimize waste residues and recover value from waste.

Our Engineers:

Process engineers at BQE Water are not restricted to a particular specialty; instead, every engineer has a broad range of responsibilities and engages with all members of the company, as well as our clients. You will have the following opportunities that will allow you to learn our technologies and gradually take on more responsibility:

- Take a project from conceptual design to full scale plant operation
- Play a key role in developing new technologies and apply existing technologies in new areas of wastewater treatment
- Learn and become an expert in designing a variety of unit operations including hydraulic conveying, solid-liquid separation, gas-liquid mass transfer, chemical and biochemical reactors, ion exchange and electro-reduction
- Support our technology development group by providing hands-on assistance with laboratory and pilot-scale testing
- Support our business development group by completing scoping level designs and cost estimates for preliminary evaluations of new applications
- Hands-on operation at pilot plants, full scale plants and assistance with plant retrofits
- Complete detailed process engineering design including mass and energy balances, equipment sizing and specifications, PFDs, P&IDs, GAs, instrument lists, etc.
- Write, review and edit technical documentation including lab reports, technical papers, design reports and proposals
- Design process automation for treatment plants (i.e. control philosophies, instrument specification, as well as PLC/HMI programming)
- Build effective relationships within the company and with customers and suppliers

Your background:

- Bachelor's degree in chemical engineering, hydrometallurgy, mineral processing or mechanical engineering
- Can-do attitude – you find a way to make it work and get it done
- Strong mechanical aptitude – you have built things before and can figure out how things work
- Solid understanding of the fundamental principles of aqueous inorganic chemistry
- Enjoy getting involved in each aspect of plant design engineering and you are not afraid to put on a pair of coveralls and repair piloting equipment or help an operator at a plant
- Strong attention to detail and take responsibility for getting it right

- 2-7 years of experience in any of the following:
 - » Detailed process plant design engineering in water treatment, mineral processing, and/or chemical industries
 - » Hands-on plant commissioning and/or plant operation
- Proven effective communication skills – you’re able to get your message across clearly
- Registration or ability to register with Engineers and Geoscientists BC

Home sweet home

BQE Water serves the global mining industry. You will be based in Vancouver with travel as required for project work. At times, the work and travel schedule can mimic our customers who work on rotations of several weeks in and out of pilot and/or mine sites around Vancouver, the province and around the world. Overall travel varies depending on project phase, but can be up to 20%.

What to expect during the interview

- You may be asked to step up to a white board and solve a problem
- You may be given a task on a computer program you are not familiar with
- You may be asked design engineering questions using what you know about our technologies & water chemistry

About us

BQE Water is a service provider specializing in mine water treatment and management solutions that support and improve the performance of mining and smelting operations. We have been in commercial production since 2001 and have designed and constructed 18 water treatment plants at sites around the world. On average BQE Water treats 20 million m³ of wastewater and recovers 1,500 tonnes of metals of value annually. Visit www.bqewater.com to learn more about what we do.

Are you interested?

Please send your resume, cover letter and university transcripts to us at hr@bqewater.com with your name and “Process Engineer” in the subject line. We’ll contact you if it looks like we have an opportunity that’s right for you.