

## PROCESS ENGINEER – MINE WATER TREATMENT (Vancouver BC or remote)

### **Work on game-changing technology. Make a difference.**

How often does an opportunity come along to work for a company focused on environmental protection and sustainability? We specialize in mine water management and enable mineral extraction projects to not only comply with stringent government regulations but also to operate in a socially responsible manner, putting value on clean water as a shared resource. We develop new technologies, design and operate water treatment plants, and provide ongoing technical support which enables us to continuously improve our designs and technologies.

### **The opportunity**

Our Process Engineers have a broad range of responsibilities and engage with all members of the company, as well as our clients. In this role you will:

- 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
- Support the operations group and gain experience with hands-on operation at full scale plants
- 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 the opportunity for PLC/HMI programming if interested)

### **Qualifications and requirements**

- Degree in engineering, disciplines of preference: chemical, hydrometallurgy, mineral processing, materials or mechanical
- 4-10 years of experience in detailed process plant design engineering in water treatment, mineral processing, chemical industries as well as hands-on plant commissioning/operation
- Solid understanding of the fundamental principles of aqueous inorganic chemistry
- Strong mechanical aptitude – you have built things before and can figure out how things work.
- Can-do attitude – you always find a way to get things done
- You enjoy multi-discipline engineering and you would not hesitate to put on coveralls to repair piloting equipment or help an operator at a plant

# BQE Water

- Strong attention to detail and ownership; takes responsibility for “getting things right”
- Proven effective communicator – you are articulate and can get your message across clearly both verbally and in written form
- Build effective relationships within the company and with clients and suppliers
- Registration or ability to register as a Professional Engineer in your province/state (i.e. EGBC, PEO)
- Travel to remote sites within North America and internationally as required
- Ability to work remotely from your home office or hybrid from our downtown Vancouver office

## **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. In commercial production since 2001, we have water treatment professionals including engineers, operators and technicians working on three continents: North and South America, and China. We have a diverse and inclusive team, offer a casual work environment and have a strong focus on teamwork to support our clients’ unique water requirements. Visit [www.bqewater.com](http://www.bqewater.com) to learn more.

## **Are you interested?**

Send your resume and cover letter to [hr@bqewater.com](mailto:hr@bqewater.com) with your name and “Process Engineer” in the subject line. We will contact you if it looks like we have an opportunity that is right for you.