

## LAB PROCESS SPECIALIST/ENGINEER (Burnaby BC)

### **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**

Be part of a team that develops new technologies and devises process improvements while being involved in all stages and aspects of commercializing new industrial processes. Reporting to the Senior Lab Process Engineer, you will:

- Carry out laboratory and pilot testing programs, which includes:
  - » Prepare test plans and execute/deliver on the plans
  - » Set-up experimental apparatuses, perform bench scale testing of different treatment processes
  - » Prepare samples for analytical assays by third party laboratories, organize shipping and act as the custodian for samples sent to third parties
- Analyze data and interpret results
- Write, review and edit technical documents including lab reports and technical papers
- Work closely with Senior Lab Process Engineers to develop and test new technologies and optimize existing technologies for contaminant removal and resource recovery
- Perform technical and economical assessments of water treatment processes to identify fatal flaws, advantages and disadvantages, and areas of best and worst application
- Provide process engineering support including mass and energy balances, equipment sizing and specifications, PFDs, P&IDs, GAs, instrument lists, etc.

### **Qualifications and requirements**

- PhD degree in chemical, materials engineering, hydrometallurgy or mineral processing
- 3+ years of hands-on experience in applied research and development and/or technology commercialization in the areas of water treatment, mining or mineral processing
- Strong understanding of/experience with flowsheets and flowsheet development in mining and minerals processing applications
- Safety conscious, proactively identify risks, participate in safety audits and inspections, observe and execute safety practices and rules in the workplace
- Excellent analytical, facilitation and communication skills
- Can-do attitude – you always find a way to get things done
- Willingness to learn new skills outside of your area of responsibility and help colleagues
- Build effective relationships within the company and with clients and suppliers
- Experience with the management and analysis of lab/pilot/engineering/operations data is an asset

# BQE Water

## **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 "Lab Process Specialist/Engineer" in the subject line. We will contact you if it looks like we have an opportunity that is right for you.