

## OPERATIONS PROCESS ENGINEER – MINE WATER TREATMENT (Vancouver, BC; Northern BC)

### **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.

### **The Position**

The Operations Process Engineer position is a unique blend of process analysis, design, supervision, management and hands-on operation of a water treatment plant at the Kemess Mine site in Northern BC. During the operating season, you will work on a fly-in/fly-out schedule of 14 on/14 off and be the cross-shift for the Plant Manager. In the off season, you will work out of our Vancouver office.

Operations Process Engineers at BQE Water have a broad range of responsibilities and engage 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:

- Day-to-day operations including coordinating activities and maintaining good working relationships with mine site management and personnel
- Maintain detailed process engineering documentation including mass and energy balances, equipment sizing and specifications, PFDs, P&IDs, GAs, instrument lists, etc.
- Learn and maintain process automation for the treatment plant (i.e. control philosophies, instrument specification, PLC/HMI programming)
- Provide leadership in safety and environmental compliance
- Take a project from design to full scale plant operation
- Support our technology development group by reconciling process data, reagent consumption and plant utilization
- Play a key role in commercializing a first-of-its-kind technology
- Learn and become an expert in a variety of unit operations including hydraulic conveying, solid-liquid separation, gas-liquid mass transfer, chemical reactors, ion exchange and electro-reduction
- Build effective relationships within the company, with customers and suppliers
- Maintain the operating manual and plant standard operating procedures
- Coordinate process training and ongoing professional development for the operators

### **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 willingness to put on a pair of coveralls for plant floor operations
- Strong attention to detail and taking responsibility for getting it right

# BQE Water

- 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 initially be based in Vancouver working with the project team until plant commissioning begins in Fall 2019 after which time you will move to a 14 on/14 off rotation on a fly-in/fly-out basis to the project site in Northern BC during the operating season. You will then rejoin the Vancouver office project team over the winter months.

## 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 m<sup>3</sup> of wastewater and recovers 1,500 tonnes of metals of value annually. Visit [www.bqewater.com](http://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](mailto:hr@bqewater.com) with your name and "Operations Process Engineer" in the subject line. We'll contact you if it looks like we have an opportunity that's right for you.