

LABORATORY RESEARCH ENGINEER (Vancouver, 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 environmental protection by helping mining companies meet stringent water quality regulations cost effectively, recover value from waste and minimize waste residues. We also operate water treatment plants and provide ongoing technical support which enables us to continuously improve our designs and technologies.

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 locations 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.

The opportunity

Be part of the 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 Director of Technology, the Laboratory Research Engineer will:

- Carry out laboratory and pilot testing programs.
- Prepare test plans and execute/deliver on the plans.
- Perform technical and economical assessments of water treatment processes to identify fatal flaws, advantages and disadvantages, and areas of best and worst application.
- Write, review and edit technical documents including lab reports and technical papers.
- Work closely with the operations and engineering teams to identify, develop, test and commercialize new technologies and optimize existing technologies for contaminant removal and resource recovery.
- Interact with potential users of new technologies to understand needs and gather feedback.
- Process engineering support including mass and energy balances, equipment sizing and specifications, PFDs, P&IDs, GAs, instrument lists, etc.

Qualifications

- Safety conscious, proactively identify risks, participate in safety audits and inspections, observe and execute safety practices and rules in the workplace.
- Graduate degree in chemical/materials engineering, hydrometallurgy or mineral processing.
- Can-do attitude – you always find a way to make things work.
- 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.
- Experience with the management and analysis of lab/pilot/engineering/operations data.
- Strong understanding of/experience with flowsheets and flowsheet development in mining and minerals processing applications.

- Excellent analytical, facilitation and communication skills.
- Commissioning and/or plant operation experience is an asset.
- Willingness and ability to travel to project sites around the world.
- Registration or ability to register with Engineers and Geoscientists BC

Are you interested?

Please send us your cover letter and resume to hr@bqewater.com with “Laboratory Research Engineer” in the subject line. We’ll contact you if it looks like this is the right opportunity for you.