October 29, 2026

ENVIRONMENTAL GEOCHEMIST/WATER QUALITY MODELLER

Location: Canada (remote, hybrid / flexible; field work as required)
Type: Full-time (37.5 hours per week)
Salary Expectations: $60,000 to $95,000 per year; depending on qualifications.
Experience: 0-5 years

Position Overview

Falkirk is seeking an Environmental Geochemist/Water Quality Modeller to join our Water Stewardship team and support geochemical and water quality assessments for mining projects in Canada. This role is ideal for an early career professional with a strong foundation in geochemistry or earth sciences and an interest in acid rock drainage (ARD), metal leaching (ML), and water quality.

About Falkirk

Falkirk is built for complexity, guiding clients through every stage of the project lifecycle. Whether through a single service line or a fully integrated advisory approach, we align technical, regulatory, political, and partnership systems to advance projects efficiently and without unnecessary delays.

Our team includes senior practitioners across environmental consulting, water and land stewardship, regulatory approvals and compliance strategy, Indigenous partnerships, government relations, and project realization, bringing the experience and alignment needed to move projects forward with confidence.

Duties and Responsibilities

- Compile, check, analyze, and visualize laboratory data (solutions and solids).
- Prepare figures, tables, and attachments.
- Development of water quality and geochemical models.
- Prepare water quality and geochemistry reports and memoranda under senior guidance.
- Support other Falkirk teams.
- Help with preparation of proposals and cost estimates.
- Participate in field programs as required.

Qualifications

- BSc or MSc in Geochemistry, Geology, or Earth Sciences or similar discipline.
- Solid knowledge of geology, geochemistry, mineralogy, and inorganic chemistry.
- Familiarity with ARD/ML concepts (academic or applied).
- Strong data handling and visualization skills in Excel and other programs.
- MS-Office proficiency.
- Clear technical writing and communication skills.
- Registered or eligible to register as a GIT or similar professional designation.
- Eligible to work in Canada.

Assets

- Direct experience working in the mining sector.
- Experience with and interest in water quality and geochemical modelling and associated software (e.g., GoldSim, PHREEQC, GWB).
- Experience with GIS software (ESRI ArcGIS, Global Mapper, QGIS).
- Experience with drilling, hydrogeological investigations, and water monitoring (quality and/or flow).
- Experience with the application of water quality guidelines.
- Coding skills.
- Valid driver's license.

How to Apply

Apply LinkedIn or submit your resume to careers@falkirk.ca with "Environmental Geochemist" in the subject line.

We appreciate the interest of all applicants; only those selected for interviews will be contacted.