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Mechanical Engineer

Why SRC?

With more than 350 employees and over 75 years of experience, the Saskatchewan Research Council (SRC) is Canada's second largest research and technology organization. We help clients from across the world solve complex technology challenges, seize new opportunities, and reduce their environmental impact.

Our employees make a difference. We hire people who are passionate about their work because we are passionate about making a positive impact in our province and beyond. We recognize the important value of work-life balance and our employees enjoy generous time off. SRC also offers many other benefits such as flexible retirement and savings options, insured benefits, professional development opportunities, a robust safety program, and an outstanding team environment.

Overview

The Saskatchewan Research Council's (SRC) Rare Earth Element (REE) team has an opening for a Mechanical Engineer to support mechanical design, specification, procurement, installation, and commissioning of systems for REE research and development (R&D). This role will provide core mechanical engineering outputs, such as mechanical equipment lists, line lists, valve lists, and associated design deliverables, while ensuring equipment is safe, fit-for-purpose, maintainable, and aligned with R&D operability requirements.

Accountabilities

- Produce and manage design drawings and packages in collaboration with the drafting and design team
- Provide mechanical input to support the development of Process Flow Diagrams (PFD) and Piping and Instrumentation Diagrams (P&ID)
- Establish design basis for mechanical scope including materials of construction, corrosion and erosion allowances, sealing strategy, and chemical compatibility for REE services (e.g., acid/alkaline leaching, solvent extraction, impurity removal, and precipitation)
- Lead mechanical procurement activities including Request for Quotations (RFQ), technical bid evaluations, vendor clarifications, and purchase recommendations while ensuring vendor packages meet technical requirements, codes, and integration constraints
- Troubleshoot mechanical equipment and piping issues, perform root cause analysis, and implement corrective and preventive actions
- Ensure mechanical designs incorporate worker safety including access, guarding, lifting/rigging provisions, containment, and spill management
- Adapt mechanical designs for experimental flexibility while maintaining rigorous engineering practice and reliability standards

Qualifications

- Degree in mechanical engineering or a related discipline
- Registration or eligibility to register as a Professional Engineer (P.Eng.) with the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGGS) is required
- Minimum 5 years of experience in related areas such as plant design, equipment design, hydrometallurgy, mineral and metals processing, or chemical manufacturing
- Hands-on experience with plant construction, equipment installation, process development, commissioning, and operations in a minerals-related field

Skills

- Strong communication and interpersonal skills to work efficiently and collaboratively with multiple stakeholders, including clients, project teams, and contractors
- Flexible and adaptable to shifting priorities and competing project demands and deadlines, while using sound judgement, resourcefulness, initiative, and innovation

The chosen candidate will also be required to provide an original Criminal Record Check that is satisfactory to SRC prior to the commencement of any employment duties. The Criminal Record Check must have been executed within the preceding 30 days of receipt.

This position is located in Saskatoon, Saskatchewan.

Deadline to apply is January 12, 2026.

To Apply: Please apply with your resume and cover letter via the careers section of our website www.src.sk.ca/careers.

Please indicate on your application where you heard about the position as SRC works with several partners to support an inclusive workplace that embraces diverse backgrounds. Our goal is to engage and empower all people so they can successfully achieve their professional goals.

As SRC strives to build a representative workforce, applications are encouraged from persons of Indigenous ancestry.