

Process Engineer (Chemical)



Engineering Office
Term Position (12 months)

About Us

SNOLAB is an international facility for world-class underground physics research and has an expanding programme in astroparticle physics and underground science. Located in an air-conditioned clean room 2 km underground in the Vale Creighton Mine near Sudbury Ontario, with a suite of surface facilities and laboratories, SNOLAB is currently preparing for the next generation of experiments.

The Position

The SNO+ Tellurium Process Engineer will be responsible for:

- Leading efforts and teams to coordinate the commissioning and operations activities associated with the tellurium purification and tellurium diolization plants for the SNO+ Experiment at SNOLAB.
- Troubleshooting of process and design issues and determining corrective actions necessary which could include making design changes or process adjustments, while practising sound change management and ensuring that all applicable regulation is adhered to and design standards followed accordingly as relevant.
- Conducting detailed design reviews of chemical processes including selection/specification, integration, installation of mechanical equipment and associated piping.
- Conducting Hazard and regulatory compliance assessments including ensuring safe handling of hazardous chemicals.
- Preparation of technical documents including plant commissioning and operating procedures, root cause analysis, incident reports, hazard management plans etc.
- Coordinating activities both with SNOLAB facility managers as well as SNO+ experiment stakeholders while ensuring all expectations are met such as adherence to SNOLAB policy and procedures.
- Providing hands-on support and directly overseeing project related activities performed within the area of responsibly by contractors, students, researchers and visitors.
- Being able to work both on surface and in the underground lab. A normal work week is 5 days @ 8 hrs, however while underground 4 days @ 10 hrs is expected. Other variations are possible.

Criteria

Education:

A university degree in Chemical Engineering or equivalent education and experience.

Must be a member of the Association of Professional Engineers of Ontario or eligible.

Experience:

- Several years of experience and engineering responsibility for the design and commissioning of industrial chemical processes.
- Extensive practical application of regulatory requirements and standards in relation to the design, commissioning and operations of chemical process plants (e.g. TSSA, NFPA).
- Experience with mechanical equipment (e.g.- pumps, mixers, chillers, fans, motors, pneumatic valve actuators) and piping systems.
- Experience with process systems and controls (electronics and instrumentation).
- Previous supervisory experience is considered an asset.

Salary Range

Salary will be determined by qualifications and experience and includes an attractive benefits package. Relocation assistance will be determined in accordance with SNOLAB policies. To meet operational needs, shift work may be required.

To Apply

All applications must be submitted to jobs@snolab.ca. **Please do not fax or mail your applications.** By applying to the e-mail address, your application becomes available to managers immediately. Interested candidates should include a cover letter and resume.

Closing Date

The posting will remain open until the position is filled, but review of applications will commence on April 23, 2019. SNOLAB thanks all applicants for their interest, however, only those candidates considered for an interview will be contacted.

SNOLAB is committed to equity in employment and encourage applications from all qualified applicants, including women, Indigenous persons, members of visible minorities and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents.

SNOLAB will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs.

Further information about SNOLAB may be found at www.snolab.ca

Posting Date: April 9, 2019