



## Process Engineer (Chemical)

**12-month Full Time Term (with a possible extension)  
Project Management Office**

### About Us

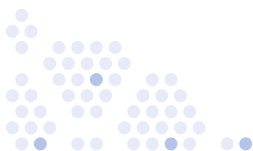
SNOLAB is an international facility for world-class underground physics research and has an expanding programme in astroparticle physics and underground science. Located in an air-conditioned clean room 2 km underground in the Vale Creighton Mine near Sudbury Ontario, with a suite of surface facilities and laboratories, SNOLAB is currently preparing for the next generation of experiments focusing on neutrino studies and the search for galactic dark matter. In particular, the SNO+ experiment will search for neutrinoless double beta decay of  $^{130}\text{Te}$  dissolved in 780 tonnes of ultrapure liquid scintillator. This decay mode will help us understand the true nature of neutrino particles and possibly unveil the origin of matter in the universe.

### The Position

Based in Sudbury and reporting directly to the Principal Investigator, the Senior Tellurium Process Engineer will be providing “hands-on” leadership to a team on surface and underground tasked to complete the final commissioning and to commence operations activities associated with the SNO+ tellurium purification and tellurium diol synthesis plants in the underground SNOLAB.

As an experienced process engineer, the successful candidate will:

- Liaise closely with facility management and operate within SNOLAB’s established administrative, safety and work control processes/policies to provide effective support to the SNO+ tellurium project.
- Identify opportunities for process and system improvements, make design changes or process adjustments, while practising sound change management and ensuring that all applicable regulations and design standards are adhered to.
- Ensure safe handling of hazardous chemicals and appropriate responses to any incidents.
- Prepare plant commissioning and operating plans/procedures, incident reports, hazard management plans, etc.
- Act as an advocate for the project and participate in reviews, prepare written report submissions, and deliver presentations.
- Provide work direction, and technical/functional guidance to contractors, technical staff, SNO+ collaborators and system operators.
- Coordinate the operation of the tellurium purification facilities including timely transportation of reagents and wastes to & from the underground lab.
- Determine priorities and make decisions about work assignments to achieve optimum efficiencies and productivity.



📍 Creighton Mine #9, 1039 Regional Road 24, Lively, ON P3Y1N2  
☎ 705.692.7000 🌐 [www.snolab.ca](http://www.snolab.ca)

## Criteria

### Education:

Bachelor of Chemical Engineering Degree or equivalent

### Experience and Skills

- PEO considered an asset
- Experience in a chemical processing plant in production, project and supervisory roles
- Experience with mechanical equipment (e.g.- pumps, mixers, chillers, fans, motors, automated valves), piping and process control systems)
- Strong technical knowledge and problem-solving, decision-making, communication, and interpersonal skills

### Salary Range:

\$75,000.00 to \$105,300.00

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 Apply

All applications must be submitted to [jobs@snolab.ca](mailto: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

**October 18, 2021**

Applications will be accepted until **23:59 Eastern Time**.

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](http://www.snolab.ca)

Posting Date: **September 20, 2021**



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