

## Process Mechanical Design Engineer

### Job Summary

The Process Mechanical Design Engineer will be a member of a multi-disciplinary branch providing integrated project management, engineering, design and construction services for nuclear and non-nuclear facilities at the Whiteshell (WL) site. Under general direction from the Branch Manager, the employee will contribute to the development of conceptual, preliminary and detailed designs of mechanical components and assemblies and process piping systems.

Canadian Nuclear Laboratories (CNL) employees perform all duties in accordance with established health and safety and regulations/guidelines, policies and procedures (i.e. utilizing personal protective equipment as per safe work procedures). Notifies management or supervisor of all occurrences, injuries, illnesses or safety and health concerns which are likely to harm themselves, their co-workers or any other on the premises in a timely manner and in accordance with established reporting requirements.

### Qualifications

#### Education

- Diploma from a recognized college or institute of advanced technology, or equivalent formal education and has three (3) to 10 years of relevant technological experience.
- Preference given to candidates with an educational background in Mechanical Engineering Technology/Technologist or any relevant program.

#### Experience

- Three (3) to 10 years relevant design experience.

### Abilities and Skills

The incumbent should have:

- Must possess a fundamental knowledge of design practices, mechanical drawing conventions and conventional tolerances.
- Knowledge of 3D and 2D CAD software is required, with preference for Inventor and AutoCAD.
- Possess knowledge and skills in 3D modelling and drafting piping arrangements, P&ID and mechanicals drawings using CADD.

- Capable of producing neat, legible, and accurate drawings in a reasonable time.
- Ability to work effectively in a multidisciplinary team and interact with staff at various levels of the organization.
- Familiarity with manufacturing processes and machine shop practices is an asset.
- Must be able to effectively work and communicate with others; and able to follow and implement complex procedures.
- General computer literacy and moderate to high level knowledge working with Microsoft Office software; and,
- The ability to manage time and materials within allocated budgets and schedules is required.

## **Functions and Responsibilities**

Functions and responsibilities include but are not limited to the following:

- Prepare engineering drawings and related documents for process piping and mechanical design;
- Revisions of existing CADD and hand drawings;
- Revisions to Master Equipment Lists (MELs) to identify equipment removed from service;
- Prepare as-built drawings;
- Provide assistance in the creation of Work Breakdown Structure and Design Plans;
- Provide time estimate for own deliverables;
- Provide support during construction, installation, and commissioning project phases;
- Executing planned work with moderate amount of supervision; and,
- Responsible for effectively managing multiple tasks/assignments.

Please visit our website at [www.cnl.ca](http://www.cnl.ca) for more information or to apply

The role is based out of CNL's Whiteshell location, which will be the designated workplace. CNL may require the candidate to travel from time to time, as necessary.

CNL is committed to providing an atmosphere free from barriers that promote equity, diversity and inclusion in achieving our mission. CNL welcomes and celebrates employees, stakeholders and partners of all racial, cultural, and ethnic identities.

CNL also supports a workplace environment and a corporate culture built on our Core Values: Respect, Teamwork, Accountability, Safety, Integrity and Excellence, which encourage equitable employment practices and career prospects inclusive of accommodations for all employees.

CNL is committed to being an equal opportunity employer. If you require accommodation measures during any phase of the hiring process, please inform the Talent Acquisition Advisor with whom you are in contact. All information received in relation to accommodation requests will be kept confidential.

CNL respectfully recognizes and acknowledges that the Whiteshell Site is located within the traditional territory of many Indigenous Nations, including those within Treaty 1, 3, and 5, and

the homeland of the Red River Métis. CNL is thankful to have the opportunity to work on these traditionally and culturally significant lands and waterways.