

Engineer, LNG Facilities

Classification: OGC 2 to OGC 4, PEA Membership

Office Location: Victoria or Fort St John or Kelowna or Terrace or Prince George

Salary: OGC 2: \$63,889 - \$72,908
OGC 3: \$75,460 - \$86,592
OGC 4: \$89,623 - \$102,844 Permanent Full-Time, 35-hour work week.
An additional 27% Job Family Market Multiplier will be added to the posted salary.
An additional 3% Location Allowance will be added to posted salary for northern location.

Note: Candidates will be placed in the OGC Classification Level as established, through job evaluation of a specific set of duties and responsibilities assigned to a position and based on the combined education and experience of the candidate.

Who We Are:

The British Columbia Energy Regulator (BCER) is the Province of B.C.'s life-cycle energy resources regulator. The BCER is a Crown agency with a mandate to ensure both the environment and public safety are protected, and those with concerns have the opportunity to have their voices heard in the sustainable development of British Columbia's energy resources.

About the Job:

The Engineer, LNG Facilities participates in the development of policy and regulatory guidance and assists industry in understanding engineering related regulatory requirements within BC. The incumbent also assists in the development and maintenance of the technical regulations which apply to LNG facilities in BC. This position works closely with, and is the primary contact for, all LNG related advisory functions pertaining to the Safety, Engineering & Audit Department. The Engineer, LNG Facilities reviews submissions for the energy industry related LNG facilities and provides recommendations to decision makers. In addition, the Engineer, LNG Facilities champions compliance verification activities and collaborates with other departments as a subject matter expert. The Engineer, LNG Facilities provides engineering advice, direction to, and works closely with, BCER inspection staff in evaluating compliance and technical safety issues related to facility design, construction, operation and maintenance.

In this role, the Engineer, LNG Facilities, will meet regularly with project proponents, representatives and decision makers within affected government agencies, to understand project scope, timelines and implications of proposed projects and to clarify the BCER's role and processes in authorizing the engineering components of the planned activity. The work will also involve providing information on energy activities and the BCER at various forums; researching required authorities and industry standards; providing advice to project proponents on provincial engineering permitting requirements and providing recommendations to the Supervisor, LNG & Research on how to most effectively and efficiently resource LNG project activities. The Engineer, LNG Facilities is required to develop and maintain a professional network consisting of engineers and technologists within the BCER and external to the BCER from sources including industry and other regulators. A detailed list of accountabilities, education and experience is outlined in the job description.

How To Apply: Submit through <https://careers.bc-er.ca/> before the closing date of 07 April 2023 at 11:00 pm.

If you are excited about this role and joining us, we encourage you to apply. Applicants should review the education and experience listed in the job description and clearly articulate how their work experience and skills are aligned with the requirements. An eligibility list with a duration of 6 months may be established.

What We Offer:

The BCER operates under a Hybrid Office Model (telework) whereby employees work from both a home office and a designated BCER office location in order to support our mandate (eligibility may vary, depending on position).

The BCER is proud to be an equal employment opportunity employer. We do not discriminate based on the protected grounds under the Human Rights Code. The BCER is committed to providing reasonable accommodations for the removal of barriers for qualified individuals. If you need assistance or accommodation, please let us know. We acknowledge and respect the many Indigenous Territories and Treaty areas, each with unique cultures, languages, legal traditions and relationships to the land and water, which the British Columbia Energy Regulator's work spans. We also respectfully acknowledge the Métis and Inuit people living across B.C.

If you require any assistance or require more information, you may contact us at: recruitment@bc-er.ca or call 250-794-5204.

The BCER's COVID-19 Vaccination Verification Policy requiring all existing, new, and potential employees to provide proof of their fully vaccinated status as a condition of employment has been suspended.

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| POSITION TITLE: | Engineer, LNG Facilities | POSITION #: | 573882/573799 |
| DIVISION: | Safety & Compliance | CLASSIFICATION: | OGC 2-4 |
| Program Area: | Safety, Engineering & Audit | LOCATION: | Victoria/Fort St John/Kelowna/Prince George/Terrace |
| SUPERVISOR'S TITLE: | Supervisor, LNG & Research | POSITION #: | 573881 |
| SUPERVISOR'S CLASSIFICATION: | OGC 5 | LOCATION: | Victoria |

The British Columbia Energy Regulator (BCER) is the Province of B.C.'s life-cycle energy resources regulator. The BCER is a Crown agency with a mandate to ensure both the environment and public safety are protected, and those with concerns have the opportunity to have their voices heard in the sustainable development of British Columbia's energy resources.

As a cost recoverable, values driven organization, we prioritize safety, stewardship and Indigenous interests throughout the full project lifecycle – from exploration to reclamation – and support the transition to clean energy. The BCER is committed to reconciliation with Indigenous Peoples, honouring the Provincial commitment to the United Nations Declaration on the Rights of Indigenous Peoples, the Declaration on the Rights of Indigenous Peoples Act, and the Truth and Reconciliation Commission's (TRC) Calls to Action. Through fostering respectful and collaborative relationships with Indigenous partners and stakeholders, the BCER delivers on Government's priorities.

The BCER has an innovative forward-thinking workplace that demonstrates our core values. Through continuous improvement and development, the BCER is agile and responsive to the rapidly changing environment in which we operate. We are diverse and inclusive, with transparency, innovation, and integrity as foundation of our respectful culture.

JOB OVERVIEW

The Engineer, LNG Facilities participates in the development of policy and regulatory guidance and assists industry in understanding engineering related regulatory requirements within BC. The incumbent also assists in the development and maintenance of the technical regulations which apply to LNG facilities in BC. This position works closely with, and is the primary contact for, all LNG related advisory functions pertaining to the Safety, Engineering & Audit Department.

The Engineer, LNG Facilities reviews submissions for the energy industry related LNG facilities and provides recommendations to decision makers. In addition, the Engineer, LNG Facilities champions compliance verification activities and collaborates with other departments as a subject matter expert.

The Engineer, LNG Facilities provides engineering advice, direction to, and works closely with, BCER inspection staff in evaluating compliance and technical safety issues related to facility design, construction, operation and maintenance.

In this role, the Engineer, LNG Facilities, will meet regularly with project proponents, representatives and decision makers within affected government agencies, to understand project scope, timelines and implications of proposed projects and to clarify the BCER's role and processes in authorizing the engineering components of the planned activity.

The work will also involve providing information on energy activities and the BCER at various forums; researching required authorities and industry standards; providing advice to project proponents on provincial engineering permitting

requirements and providing recommendations to the Supervisor, LNG & Research on how to most effectively and efficiently resource LNG project activities.

The Engineer, LNG Facilities is required to develop and maintain a professional network consisting of engineers and technologists within the BCER and external to the BCER from sources including industry and other regulators.

ACCOUNTABILITIES

- Provides and implements recommendations on processes and procedures essential to the work of the Safety, Engineering & Audit Department;
- Researches and assesses likely impacts of alternative proposals in terms of associated risks, mitigation strategies, stakeholder response, liability and other implications, and outlines the advantages/strengths and disadvantages/weaknesses of each to support informed decision making;
- Monitors and evaluates project resources, processes and progress, identify technical and engineering risks and obstacles and takes or recommends action to address, adapts to new methods and implements new course of action;
- Works closely with the Operations and Engineering groups to ensure that appropriate compliance verification activities are implemented for facility construction and operations;
- Liaises with Technical Safety British Columbia, Ministry of Energy, Mines & Petroleum Resources and other regulatory agencies regarding active memorandum of understandings;
- Provides information and advice to BCER staff, and Government Ministries, as well as the industry, federal and provincial agencies regarding the engineering aspects of energy related technical regulations;
- Participates in project teams relating to compliance verification (e.g. inspection, audit) of facility construction, operations, and providing technical assistance in the investigation of facilities incidents;
- Facilitates the regulatory oversight of major LNG facilities projects by working collaboratively with project team to meet deadlines and milestones and take corrective action where necessary;
- Leads the development of objectives, policies, measures and standards for the regulations of LNG facilities in conjunction with industry, and other BCER staff;
- Provides input into recommended changes to legislation, regulations, provincial policy and technical standards for LNG facilities;
- Actively contributes to the development and maintenance of CSA Z276 and/or ASME B31.3 and may participate as a member of the technical committees for those standards;
- Represents the BCER at industry meetings, and conferences by giving presentations;
- Prepares correspondence and briefing notes as required;
- Performs other related duties and assumes new responsibilities as the BCER requires.

ORGANIZATION CHART

Commissioner, Chief Executive Officer

Executive Vice President, Safety & Compliance

Vice President, Safety, Engineering & Audit

Supervisor, LNG & Research

Engineer, LNG Facilities (TOPIC POSITION)

EDUCATION AND EXPERIENCE REQUIREMENTS

- **OGC 2:** Bachelor's degree in Engineering, with five years related experience, and Registration with the Engineers & Geoscientists of British Columbia as a Professional Engineer.
- **OGC 3:** Bachelor's degree in Engineering, with nine years related experience, OR a Master's degree in Engineering, with seven years related experience, OR Doctor of Engineering with five years related experience; and Registration with the Engineers & Geoscientists of British Columbia as a Professional Engineer.
- **OGC 4:** Bachelor's degree in Engineering, with fourteen years related experience, OR a Master's degree in Engineering, with twelve years related experience, OR Doctor of Engineering with ten years related experience; and Registration with the Engineers & Geoscientists of British Columbia as a Professional Engineer.

- **Must be a registered member in good standing or eligible for registration as a Professional Engineer (P. Eng.) or professional licensee, engineering (P.L. Eng.) from the Engineers and Geoscientists of BC (EGBC).**

Experience:

- Demonstrated experience in the design, construction, operation, maintenance and/or inspection of energy related facilities;
- Demonstrated experience in the development and implementation of complex projects in the energy industry, preferably LNG (ie: ability to work on multiple major projects simultaneously);
- Working knowledge and solid understanding of project management principles, processes and documentation requirements;
- Demonstrated experience with verification methods such as inspection and audit;
- Working knowledge of the Energy Resource Activities Act, Liquefied Natural Gas Facility regulation, Drilling and Production regulation, CSA Z276 and Z662 and recommended practices applied to facilities within British Columbia;
- Experience referencing, interpreting and applying policy, legislation, regulations, codes, standards and recommended practices to determine an appropriate course of action;
- Experience in piping or tank system design/construction/maintenance is an asset.

KEY COMPETENCIES

Results Orientation implies showing concern for surpassing a standard of excellence, be it one's own past performance (striving for improvement); an objective measure (achievement orientation); challenging goals one has set; or even improving or surpassing what has already been done (continuous improvement).

Teamwork and Cooperation is demonstrating the ability to work co-operatively within diverse teams, work groups and across the organization to achieve group and organizational goals.

Change Management is the ability to support a change initiative that has been mandated within the organization. It involves helping the organization's members understand what the change means to them, and providing the ongoing guidance and support that will maintain enthusiasm and commitment to the change process. People with this competency willingly embrace and champion change.

Analytical Thinking is the ability to comprehend a situation by breaking it down into its components and identifying key or underlying complex issues. It implies the ability to systematically organize and compare the various aspects of a problem or situation, and determine cause-and-effect relationships ("if ... then ...") to resolve problems in a sound, decisive manner. Checks to ensure the validity of accuracy of all information.