



JOB DESCRIPTION

Job Title: Executive Director, Dam Safety and Chief Dam Safety Engineer

Position Number: 95-32

Incumbent: Vacant

Effective Date: June 2026

Employment Status: Permanent

Bargaining Unit: Yes No

Supervisor's Title: President & CEO

Department: President & CEO's Office

MANDATE

Reporting to the President & CEO, the Executive Director, Dam Safety and Chief Dam Safety Engineer is Yukon Energy's senior corporate authority for dam safety. The position is accountable for independent leadership, technical assurance, regulatory leadership, and continuous improvement of Yukon Energy's Dam Safety Program and Dam Safety Management System. The role ensures dam assets are designed, operated, maintained, monitored, reviewed, and improved in a manner that protects public safety, meets regulatory obligations, and aligns with Canadian Dam Association guidance and accepted dam safety practice.

EXECUTIVE ACCOUNTABILITES

1. Corporate Dam Safety Leadership and Governance

- Provide executive leadership for Yukon Energy's Dam Safety Program and Dam Safety Management System, ensuring effective governance, clear accountabilities, audit readiness, recommendation tracking, risk management, and continuous improvement across all dam safety functions.
- Provide independent, risk-informed advice to the President & CEO, executive leadership, and the Yukon Energy Board of Directors on the condition, performance, risk profile, and safety of Yukon Energy's dam assets.
- Exercise independent dam safety authority on behalf of Yukon Energy, including recommending or directing operational restrictions, reservoir level limitations, emergency measures, or asset shutdowns where dam safety risks warrant such action.

2. Technical Assurance, and Risk Management

- Establish and oversee dam engineering governance, including appropriate independence, clear accountabilities, technical review processes, performance expectations, and continuity of engineering knowledge.
- Provide executive oversight of dam safety activities including surveillance, instrumentation, inspections, performance assessments, comprehensive dam safety reviews, consequence classification, and risk-informed decision-making.



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- Ensure dam-related designs, assessments, operating requirements, emergency planning, and long-term asset strategies remain aligned with applicable regulatory requirements, licenses, codes, standards, guidelines, and industry practice, and that deficiencies, emerging issues, and recommendations are prioritized, tracked, and addressed through appropriate interim and long-term risk controls.

3. Regulatory Affairs and External Relations

- Provide executive oversight of dam safety compliance, regulatory strategy, and technical evidence related to dam safety and dam engineering activities.
- Act as Yukon Energy's dam safety expert for regulatory proceedings before the Yukon Water Board, Yukon Utilities Board, and other applicable regulatory bodies.
- Act as Yukon Energy's senior technical representative and lead technical witness with governments, regulators, external reviewers, technical panels, and other stakeholders.

4. Indigenous Relations and Environmental Stewardship

- Provide executive oversight and technical leadership to ensure environmental, social, Indigenous, and stakeholder considerations are appropriately integrated into dam safety governance, reservoir operations, engineering decisions, emergency planning, and capital improvement strategies.
- Lead strategic engagement with Yukon First Nations, Indigenous governments, community leaders, regulators, and affected stakeholders on dam-related risks, operations, environmental performance, and long-term planning, while maintaining public safety as the primary objective and supporting Yukon Energy's reconciliation commitments.

5. Emergency Management and Public Safety

- Oversee dam safety emergency preparedness, prevention and mitigation, response, recovery planning, Emergency Preparedness Plans, training, exercises, and readiness.
- Provide executive-level technical leadership and decision support during emergency, flood, abnormal operating, or high-risk dam safety conditions.
- Serve as executive technical lead during dam safety incidents and support coordination with emergency management agencies, First Nations governments, municipalities, regulators, and public authorities.

6. Asset Strategy and Capital Planning

- Ensure dam safety risks, regulatory commitments, and required upgrades are reflected in asset management plans, long-term capital plans, budgets, forecasts, and investment priorities.



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- Provide dam safety oversight for capital projects, including design, construction, commissioning, rehabilitation, and interim risk management during construction or modification of dam assets.

7. Organizational Leadership and Capability Development

- Provide executive leadership to strengthen Yukon Energy's dam safety capability, including technical team development, cross-functional alignment, consultant and contractor oversight, succession planning, and organizational learning.
- Promote a strong dam safety culture, organizational learning, succession planning, and public confidence in Yukon Energy's stewardship of dam assets.

QUALIFICATIONS, SKILLS, AND EXPERIENCE

1. Required

- Bachelor's degree in civil engineering or a closely related engineering discipline.
- Ability to obtain registration as a Professional Engineer in Yukon within a timeframe acceptable to Yukon Energy.
- Minimum 15 years of progressive engineering experience, including at least 10 years directly related to dam engineering, dam safety, hydroelectric infrastructure, or water retaining structures.
- Demonstrated leadership of a Dam Safety Program, Dam Safety Management System, Owner's Dam Safety Program, or equivalent portfolio.
- Expert knowledge of dam safety governance, risk assessment, surveillance, inspections, monitoring, emergency preparedness, recommendation tracking, and regulatory compliance.
- Demonstrated experience appearing before or supporting regulatory boards, tribunals, or hearing panels on technical engineering matters.
- Experience serving on or preparing technical witness panels dealing with dam safety or dam engineering matters.
- Experience preparing and briefing senior officials, executive leaders, board members, regulators, and political leaders on technical, regulatory, and risk matters.
- Excellent written and verbal communication skills, with the ability to translate complex technical risk into clear executive, regulatory, and public-facing advice.

2. Preferred/Assets

- Master's degree or PhD in civil, geotechnical, structural, hydraulic, or related engineering discipline.



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- Experience serving as Chief Dam Safety Engineer, Responsible Officer, Engineer of Record, Independent Review Board member, or equivalent senior dam safety leadership role.
- Experience in a hydroelectric utility, dam owner, or owner-operator environment.
- Expert knowledge of Canadian Dam Association guidelines and technical bulletins, with familiarity with comparable frameworks such as FERC and ICOLD.
- Experience with dam-related capital projects, rehabilitation, construction oversight, and asset management planning in remote or northern operating environments.

WORKING CONDITIONS

- Work is primarily performed in an office environment with regular field visits to dam sites and related infrastructure.
- Fieldwork may involve exposure to remote locations and extreme weather conditions.
- Participation in emergency response activities may be required.
- Must adhere to all corporate safety, environmental, and administrative policies, procedures, and guidelines.
- Travel within Yukon (10–25%) is required to support project, maintenance, and commissioning activities in remote locations.