

Intermediate Hydrotechnical Engineer

Canadian Projects Limited, a Tetra Tech Company, is a leading provider of consulting, engineering, and technical services worldwide. Our reputation rests on the technical expertise and dedication of our employees—20,000 people working together across disciplines and time zones to provide smart, sustainable solutions for challenging projects. We are proud to be home to leading technical experts in water, environment, infrastructure, resource management, energy, and international development. Tetra Tech combines the resources of a global, multibillion-dollar company with local, client-focused delivery in 450 office locations around the world. We offer competitive compensation and benefits and are searching for innovative people to join our teams. We are an equal opportunity employer.

Role:

We are currently seeking an **Intermediate Hydrotechnical Engineer** to join our exciting renewable energy team in Ontario or Alberta. The successful candidate will be required to provide hydrotechnical leadership and experience on small (\$10M) to large (\$400M) hydropower design projects. The individual will develop analysis plans and will contribute to design activities to ensure project goals are met. In addition, the individual will provide hydrotechnical leadership to a variety of consulting assignments ensuring value to our clients is maintained. To perform this job successfully, the individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

Responsibilities:

Hydrological Analysis

- Hydrology primarily in mountainous regions
- Determination of the low flow regime
- Statistical analysis of the flood flows
- Understanding sediment transport fundamentals

Hydrotechnical Modelling

- Uses various software tools for analysis
- Develops modeling approaches
- Preparation of effective summaries

Hydrotechnical Design

- River engineering hydraulic analysis
- Hydraulic structures design of weirs, intakes and dams
- System hydraulic analysis

Regulatory Technical Submissions

- Project definition documents
- Variety of hydrotechnical reports
- Technical permitting documents

Energy and Economic Evaluations

- Hydro plant energy analysis
- Economic analysis
- Understanding of capital costing

Qualifications:

- Civil Engineer with a strong hydrotechnical background
- Professional registration in Alberta and Ontario.
- Consulting Engineering experience of at least 2-6 years', working in a multidiscipline environment and capable of working on several major projects simultaneously.

For more information on our company, please visit our website at www.canprojects.com. To apply, please submit your resume and cover letter to careers@canprojects.com

We thank all applicants for their interest; however only those selected for an interview will be contacted. Tetra Tech is committed to creating a diverse environment and is proud to be an Equal Opportunity Employer. Please contact local HR regarding any accommodation requirements to make the recruitment process accessible to all interested parties.

We invite resumes from all interested parties including women, minorities, veterans and persons with disabilities.

No calls or agencies