



PARTNERS IN  
ENGINEERING

## Project Engineer (Dams and Floodplains) – Water Resources Department

D.M. Wills Associates Limited is in search of a Project Engineer to join the Dams and Floodplains group of our Water Resources Department.

### Key Responsibilities:

- Contribute to business development and marketing activities for existing and new clients and support the preparation of technical proposals.
- Assist with project management of dam related projects including environmental assessments, dam safety reviews, public safety risk assessments, dam rehabilitation or replacement designs, emergency preparedness and response plans (EPRP's), operations, maintenance, safety and surveillance (OMSS) manuals and other projects as assigned.
- Assist with project management of regulatory floodplain mapping projects.
- Provide technical leadership on tasks including: hydrology studies, hydraulic modelling and design, dam break and flood inundation studies, regulatory floodplain mapping studies, dewatering and erosion and sediment control plans, stability assessments of concrete gravity dams, public safety around dams and waterpower facilities, analysis of bridges and culverts and stormwater management.
- Prepare technical documentation including letters, reports, drawings and specifications.
- Participate in providing direction to junior engineers, designers, and technicians and in maintaining the quality of work throughout a project.
- Follow applicable health, safety and environmental policies, procedures, standards and guidelines in the execution of all work.

### Significant Qualifications include:

- Bachelors degree in Civil Engineering with a focus on Water Resources or Structural Engineering
- Licensed as a Professional Engineer in the Province of Ontario or eligible to be licensed within six (6) months of employment.
- Preferred five (5) years, minimum three (3) years, of relevant experience related to the key responsibilities of the position
- Knowledge of the Ministry of Natural Resources and Forestry (MNRF) Technical Bulletins and Best Management Practices for Dams and the Canadian Dam Association (CDA) Dam Safety Guidelines and Technical Bulletins.





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- Experience in the completion of Dam Safety Reviews, Public Safety Risk Assessments for dams, waterpower facilities and other dam related projects.
- Experience with 1D and 2D hydraulic modelling in HEC-RAS and GeoHEC-RAS.
- Experience in HEC-FIA or another flood impact assessment tool would be considered an asset.
- Experience with hydrology studies including hydrologic modelling using Visual OTTHYMO and HEC-HMS and station frequency analysis using HEC-SSP.
- Experience with the ESRI ArcMap Geographic Information System (GIS) software package for the development of hydrology studies and floodplain maps.
- Experience in the completion of stability assessments for concrete gravity dams.
- Must be available to undertake fieldwork across Ontario.
- Must hold, or be eligible to obtain, an Ontario G class drivers license.
- Excellent verbal and written English communication skills in the technological and commercial fields.
- Highly proficient in the Microsoft Office suite of tools including, Excel, Word, PowerPoint, Access and Microsoft Project.

If you are a goal oriented, highly motivated individual who is looking to join a successful team, Wills is interested in speaking with you. At Wills, we form partnerships with our staff, our clients and the public to create engineering solutions that work for today's complex problems.

This position is located in Peterborough, Ontario.

Salary will be commensurate with experience.

Please submit a cover letter and resume/CV directly to HR at [hr@dmwills.com](mailto:hr@dmwills.com), with subject line "Project Engineer – Dams and Floodplains".

We sincerely thank all candidates for their interest, however, please note that only those applicants selected for further consideration will be contacted. If selected for an interview, please advise us if you require accommodation.

**D.M. Wills Associates Limited**  
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