

# Manitoba Government Job Opportunities

## Hydrologic Engineer

Regular, Full-time

Manitoba Transportation and Infrastructure; Engineering & Technical Service; Hydrologic Forecasting & Water Management, Winnipeg

Advertisement Number: 43178

Salary Range: \$76,730.00 - \$97,478.00 per year

Closing Date: August 25, 2024

*The Manitoba government recognizes the importance of building an exemplary public service reflective of the citizens it serves, where diverse abilities, backgrounds, cultures, identities, languages and perspectives drives a high standard of service and innovation. The Manitoba government supports equitable employment practices and promotes representation of designated groups (women, Indigenous people, persons with disabilities, visible minorities).*

*Employment Equity is a factor in selection for this competition. Consideration will be given to women, Indigenous people and persons with disabilities.*

*An eligibility list may be created for similar positions and will remain in effect for 12 months.*

### Conditions of Employment:

- Must be legally entitled to work in Canada
- Must be a registered Professional Engineer with Engineers Geoscientists Manitoba (EGM).
- Must have a valid Class 5 driver's licence
- Must be willing and able to travel within Manitoba
- Must be able to occasionally work outdoors in rough terrain, around water, ice, and traffic in all weather and climatic conditions
- Must be able to work for extended hours and shift work as required

### Qualifications:

#### Essential:

- Undergraduate degree in Civil Engineering
- Experience in conducting hydrologic analyses including flood frequency analysis and hydrologic modelling for infrastructure planning, design, and climate change impact assessments
- Experience working with prairie hydrology
- Experience in the use of ESRI GIS tools in data processing and interpretation, analysis and processing of complex hydro-meteorological data to support hydrologic studies and river and lake ice monitoring and modeling works
- Thorough knowledge of hydraulic principles, hydraulic theories and modeling, including flood routing, and river ice processes

- Ability to work independently and in a team environment
- Strong verbal communication and interpersonal skills with an ability to communicate effectively with internal and external contacts
- Effective written communication skills including ability to prepare technical and non-technical correspondence and reports
- Strong analytical, problem solving and decision-making skills
- Ability to learn and work with appropriate industry software tools and technology to successfully complete assignments/projects

**Duties:**

The incumbent is required to:

- Conduct hydrologic investigations for flood mapping and flood mitigation studies, and for determining flood protection levels
- Provide design discharges, flood levels and fish passage flows for infrastructure planning, design and approvals
- Assess the hydrologic impact of water development proposals

The incumbent is also required to provide technical support during flood season by developing GIS data products, processing RADARSAT imagery for river and lake ice monitoring, and conducting hydrologic analyses.

**APPLY TO:**

**Advertisement # 43178**

Talent Acquisition - Executive Recruitment

Human Resource Services

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Email: [PSCExecutivejobs@gov.mb.ca](mailto:PSCExecutivejobs@gov.mb.ca)

*Applicants may request reasonable accommodation related to the materials or activities used throughout the selection process.*

*When applying to this position, please indicate the advertisement number and position title in the subject line and/or body of your email. Your cover letter, resumé and/or application must clearly indicate how you meet the qualifications.*

*Please be advised that job competitions may be grieved and appealed. Should a selection grievance be filed, information from the competition file will be provided to the grievor's representative or the grievor, if unrepresented. Personal information irrelevant to the grievance and other information protected under legislation will be redacted.*

*We thank all who apply and advise that only those selected for further consideration will be contacted.*

