
Position Title: Project Engineer, Irrigation
Organizational Unit: Irrigation Development
Division: Agriculture Services
Location: Moose Jaw, SK
Competition Number: WSA-06-2021/22
Salary:
Management Class 3 - \$63,648 - \$79,548 (Annually) - EIT
Management Class 5 - \$78,336 - \$97,956 (Annually) – P.Eng and 4 years of related experience
Management Class 6 - \$84,612 - \$105,792 (Annually) – P.Eng with 6 Years of experience as a P.Eng

Applicants with the required education will be assessed to determine level based on relevant experience.

Apply by: 5:00 PM May 24, 2021

Short Description:

Reporting to the Executive Director, Irrigation Development, an employee in this job will provide professional engineering project management services to a broad range of activities directly related to the engineering, procurement, and construction of water resource management and/or infrastructure management projects. This employee will be responsible to undertake routine to moderately complex projects or assignments.

Operating Budget:

Annual Operating Expense Budget: medium contributory (>\$1,000,000 to \$10,000,000)

Key Duties and Responsibilities:

- 25% Provide project management services for the engineering, procurement, and construction of water resource management and/or infrastructure management projects. Assess the operational adequacy and safety of water management infrastructure by conducting field inspections and investigations, performing engineering calculations and analyses both in the field and the office, preparing applicable reports, project proposals, technical documents, and drawings.
- 30% Design water management projects of moderate size and complexity; prepare project cost estimates and material and quantity schedules; prepare engineering reports, technical documentation, and drawings; when required, provide direction to engineering consultants hired to undertake this work; prepare project proposals and applications for regulatory approvals; and liaise with regulators, landowners and other stakeholders who hold a direct or indirect interest in project development.
- 35% Assist with the preparation of and/or prepare tender and construction documents for the construction and rehabilitation of water management projects including engineering specifications, material and quantity schedules, and drawings; administer construction contracts; and provide resident and general engineering services during works construction ensuring that construction is carried out in accordance with best management practices and regulatory approvals.

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Out-of-Scope

- 5% Assist with the preparation of and/or prepare and administer professional services agreements relative to the investigation, design, construction, rehabilitation, and maintenance of water management projects.
- 5% Assist in training other unit staff in engineering methods and techniques; and undertake other professional engineering responsibilities as assigned.

Educational and Experience Requirements and Technical Qualifications:

Degree in Civil Engineering or a similar engineering discipline, a licence to practice professional engineering from the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS), and 4 years of related experience.

Amount of experience typically required in this job to become fully competent, assuming both the education level required and the prior experiences are present – 6 years.

Job Complexities/Challenges:

Know How:

This employee requires a sound understanding of engineering and project management theory and principles including their application in a work environment. This employee must be aware of other activities within the work area and organize their work accordingly. Working with and influencing others to reach agreement involves employing tact and discretion; this is especially true when dealing with landowners, contractors, regulators, and other project stakeholders including First Nations.

Problem Solving:

All work is conducted in accordance with sound engineering principles and practices. Most engineering problems are solved by employing a variety of standard methods and techniques. Assistance is usually available and normally provided when unique or unusual problems are encountered. There is a requirement to stay abreast of technological innovation and new developments in the engineering field.

Accountability:

Supervision is provided to this employee but there is an expectation this employee will be able to work independently. Assignments are normally accompanied or covered by instructions with many of the details left to the discretion of the employee. This employee may be required to ensure the quality and timeliness of work performed by contractors and consultants without having direct authority over them. This employee must undertake his/her work in accordance with *The Engineering and Geoscience Professions Act* and *The Engineering and Geoscience Professions Regulatory Bylaws*. This employee is required to seal final reports, designs, drawings, and contract specifications that he/she has prepared.

Working Conditions:

Work is performed in both office and field environments. There is some exposure to conditions of dust, dirt, fumes, heat or cold, noise, vibration, inclement weather and the like, and minor health and accident hazards. Work, especially in Project Engineering, can require considerable travel, irregular work schedule and, on occasion, extended absences from headquarters and with lower quality lodging options.

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Accuracy and detail in the completion of work is required. Working to ensure delivery of needed engineering services in a timely and effective manner poses significant challenges, especially considering limited available resources.

To Apply:

Please submit a cover letter quoting competition number above and a detailed résumé to:

Human Resources
Corporate Services
4th Floor, 111 Fairford Street East
Moose Jaw, Saskatchewan S6H 7X9
Fax: 306-694-3991
Email: hr@wsask.ca (Preferred method)

We would like to thank all applicants for their interest; however, only those selected for an interview will be contacted. You will be evaluated on the relative degree to which you meet the knowledge, skills, and abilities related to the position assignment.

The Water Security Agency is an Employment Equity Employer and is committed to creating a respectful, diverse working environment.