
Position Title: Technologist, Hydrometric Operations (3 Positions)
Organizational Unit: Hydrology & Groundwater Services
Division: Technical Services Division
Location: 1 position in North Battleford, 1 in Moose Jaw and 1 in Nipawin, SK
Hourly Rate: \$27.18- \$33.98 (Classification 7)
Competition #: WSA-53-2017/18-01-03
Apply by: 5:00 PM January 26, 2018

NOTE: Candidates that are interested in North Battleford location should quote competition number WSA-53-2017/18-01. Candidates with the preference for the Moose Jaw location should quote competition number WSA-53-2017/18-02. Candidates with the preference for the Nipawin location should quote competition number WSA-53-2017/18-03. Those candidates with no preference should quote the full competition number listed above.

SHORT DESCRIPTION:

Reporting to the Manager, Hydrometric Program or designated Supervisor, an employee in this job will, in both field and office settings and within an assigned district, undertake duties associated with the WSA's Hydrometric Program specific to the collection, processing, and documentation of hydrological and other related environmental data.

JOB DUTIES:

- 20% Conduct field operations required for the collection of hydrological data on rivers and lakes within an assigned district ensuring data is accurate and complete and in accordance with established engineering procedures and practices; and perform relevant technical calculations in the field as required
- 50% Process and analyze collected hydrological data using both basic and complex methods of technical data reduction; and prepare applicable technical reports, drawings, charts and graphs as required.
- 15% Conduct specialized field surveys and studies to assist with various hydrologic investigations and studies; assist in performing structures operations and inspections for Regional Operations as required; and undertake provincial water resource structure operations as assigned.
- 15% Assist in training other staff in proper collection and computation methods and techniques and in the utilization and maintenance of related equipment and vehicles; attend meetings, job related workshops and conferences, occupational health and safety seminars and other training; and undertake other hydrometric program assignments as required.

SKILL REQUIREMENTS:**Education:****Formal:**

Diploma in Water Resources Engineering Technology or a similar technical discipline.

Certification:

Eligibility for certification with Saskatchewan Applied Science Technologists and Technicians (SASTT) as an Associate Member.

Other:

A valid Saskatchewan driver's license.

Experience:

Previous Requirement: 0 months

On-the-Job Requirement: 48 months

Knowledge of principles, practices and standards of hydrometric data collection, computation, and interpretation and demonstrated skill in the use of applicable collection, measurement and monitoring equipment.

Considerable knowledge of the principles, practices and standards of hydrology; of surveying principles and practices; and of air photo interpretation, procedures and practices.

Skill in written and verbal communications.

Ability to establish and maintain effective working relationships with staff, external agencies and the public; and to maintain a positive workplace environment.

Training Course Requirements:

Occupational Health & Safety Work Specific Courses

- Confined Space Entry

- First Aid/CPR

- Water Safety

Hydrometric Training Program Modules

WIN_SW Software Training

Problem Solving:

Work assignments must be undertaken in accordance with established engineering principles and practices and corporate guidelines. Most problems can be solved from searching for choices from previously determined practices or guidelines and then selecting a solution from those.

EFFORT REQUIREMENTS:**Physical:**

The exertion of effort required to undertake the duties for this job involves performing the activities associated with conducting river discharge measurements by boat, wading in streams, from road bridges, cableway or on ice cover. Sitting or standing for periods up to four hours, wading or controlling equipment in swift flowing water, operating a hand winch to maneuver 30-50 pound weights (up to 2 hours), wading in streams up to chest deep with swift currents while operating metering equipment (up to one hour), and operating an ice auger to drill holes which can be complicated by the wearing of PFD, heavy clothing and gloves during cold weather condition is required. All work undertaken must comply with established corporate protocols and industry Occupational Health and Safety regulations and codes of practice.

Mental:

The performance of job duties requires this employee to perform technical calculations, use applicable software and prepare other technical documentation for periods of unbroken concentration of up to two hours.

RESPONSIBILITY REQUIREMENTS:**Accountability:**

Assignments are prioritized and accompanied with instruction from the Supervisor; however, work, at times may be required to be undertaken with limited supervision. In most circumstances, the provision of services is undertaken in the support of others to achieve results. This employee must undertake his/her work in accordance with *The Saskatchewan Applied Science Technologists and Technicians Act*.

Contact with Others:

Contacts involve the gathering, providing, explaining and/or amplification of information or data.

This employee is required to hire staff gauge readers for gathering staff gauge readings in order to compile lake level reports. This employee is required to have contact with employees from other WSA units and with other provincial and federal government agencies.

WORKING CONDITIONS:

Field work involves continuous exposure to the full range of weather conditions while working over or on or in bodies of water. There are risks associated with vehicular traffic when working off bridges not designed with pedestrian/worker space to undertake the work. Due to the nature of the job, additional physical discomfort is also compounded by the need to wear cumbersome protective gear and clothing.

The work also involves entry into confined spaces (stilling wells) using constrictive safety equipment and the exposure to unpleasant conditions. There is a requirement to use equipment such as chain saws, ice drills, winches, power tools, and hand tools. Occasional overnight stays occur.

Office work is conducted in an office environment with long periods of time at a computer work station.

To Apply:

Internal and external candidates are welcome to apply for this position; however, first consideration will be given to qualified, internal applicants. 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.
