

Source: **BC Hydro**  
Job Title: **Civil Surveillance Technologist - GMS**  
Job Number: **BCH-R-9176-220826E1**  
Job Location: **Hudson's Hope, British Columbia, Canada**

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Powered by water... and by people like you

Providing clean electricity to 4 million customers takes a diverse workforce and that's where you come in. We need your talent to help us build major projects to meet growing demand. To help our customers find clean energy solutions for their homes and businesses and to be ready to respond during storms and outages to keep our system reliable.

Working for BC Hydro is meaningful. And now, the stakes have been raised as we work towards a solution to climate change while safely providing clean, affordable electricity to our customers.

We offer a healthy work life balance, training opportunities and career progression. We're proud to be ranked as one of B.C.'s Top Employers and one of Canada's Best Diversity Employers. Join us as we build an even cleaner B.C.

## **JOB DESCRIPTION**

### **Duties:**

- \* Performs a variety of precise technical first order and special field surveys and performs associated technical calculations, including the downloading of computerized survey data, to determine any structural movement at dams and/or ground movement at surrounding reservoir slopes.
- \* Installs, records readings from, troubleshoots and maintains a variety of electronic, mechanical and hydraulic civil (geotechnical and structural) instrumentation in dams, underground areas and reservoir slopes; conducts special experiments and tests; analyzes a variety of malfunctioning or faulty behavioural measuring devices and recommends corrective action including the use of alternate equipment.
- \* Performs a variety of technical, design and administrative support functions and prepares deficiency lists related to the maintenance of dams, underground areas, associated structures and reservoir areas; designs non-routine equipment to assist in testing.
- \* May provide work leadership responsibilities to and perform all or some of the functions of the Civil Surveillance Technician and Survey Assistant jobs; provides technical advice and guidance to survey crews.
- \* Provides technical advice and guidance to field staff related to resolving dams operational and maintenance problems and performs an inspection of the facilities for unusual movement or water flow activity.
- \* Develops basic computer programs for use in survey computations; analyzes output of programs to determine validity of results.

- \* Assists in developing maintenance standards for surveys and instrumentation required to determine structural movement and performance at dams and/or ground movement at surrounding reservoir slopes.
- \* Performs hydrometric, topographic and hydrographic surveys.
- \* Evaluates and tests new equipment or models of proposed equipment.
- \* Performs duties of a minor nature related to the above duties which do not affect the rating of the job.

**Qualifications:**

- \* Completion of a National Technologist Diploma in Civil, Instrumentation or Electronics.
- \* The successful candidate will have 2 years experience with geotechnical instruments, instrument calibration, weir and flume measurements, operation and maintenance of ADAS and familiarity with inclinometer systems.
- \* Satisfactory performance on the job requires approximately 1 year on the job to acquire the additional knowledge/skills necessary to perform the full scope of the job.

**ADDITIONAL INFORMATION**

**This position is affiliated with the Movement of United Professionals union (MoveUP/COPE).  
<http://moveuptogether.ca>**

- \* This location is eligible for a Remote Incentive of 20%. Remote Incentives are paid bi-weekly to Full-Time Regular employees working in eligible remote locations.
- \* This location is eligible for Travel Incentive. The Travel Incentive is extended to Full-Time Regular employees who are working in eligible remote locations.
- \* This location is eligible for Extended Health Care Medical Travel Benefit. The Extended Health Care Medical Travel Benefit is extended to Full-Time Regular, Part-Time Regular and Full-Time Temporary employees who are permanently working in eligible remote locations.
- \* The successful candidate will be responsible for the Dam Safety Instrumentation program at two of BC Hydro's largest dams. This includes installing, maintaining and troubleshooting the state-of-the-art Automated Data Acquisition System (ADAS) at WAC Bennett and Peace Canyon Dams.
- \* The successful candidate will join the Dam Safety Surveillance Team located at various generating stations throughout the province. At WAC Bennett Dam you will be joining a Senior Dam Safety Engineer and a Civil Surveillance Technologist.
- \* Preference will be given to candidates with: 1) experience with Campbell Scientific datalogger systems including Loggernet; 2) installing geotechnical instrumentation, and 3) monitoring of instrumentation including data collection and troubleshooting unusual readings. Work is split between field and office environments. Incumbents are exposed to all weather conditions while frequently working in the field.
- \* A class 5 BC Driver's license in good standing is required.

\* Although knowledge of survey work is an asset, it is a small component of the overall job duties.

Please be advised that this role has been assessed as safety sensitive and pre-qualification alcohol and drug testing will be required as a pre-condition to employment.

### How to Apply

Interested candidates should submit their applications online at [https://app.bchydro.com/careers/current\\_opp.html](https://app.bchydro.com/careers/current_opp.html) by **September 11, 2022.**

[Click here](#) to access the job posting or visit the [BC Hydro "Current Opportunities" Careers page](#) to view and apply for jobs.

**You must use a supported browser, such as Firefox, Internet Explorer, Google Chrome or Safari. Your pop up blocker will also need to be disabled for the BC Hydro Careers site.**

On the BC Hydro Careers site, click on the Apply button in order to complete the steps to apply for this job. Please be sure to update your Candidate Profile with your current resume and include copies of your certifications, if applicable.

We're always looking for exceptional people to bring new ideas, fresh thinking and the motivation to help shape the electricity system in B.C. It's an exciting time to be a part of our team as we invest in our system and prepare to meet the challenges of tomorrow.

Our values guide our work. Want to join us?

We are safe.

We are here for our customers.

We are one team.

We include everyone.

We act with integrity and respect.

We are forward thinking.

BC Hydro is an equal opportunity employer.

We include everyone. We welcome applications from anyone, including members of visible minorities, women, Indigenous peoples, persons with disabilities, persons of minority sexual orientations and gender identities, and others with the skills and knowledge to productively engage with diverse communities.

We are also happy to provide reasonable accommodations throughout the selection process and while working at BC Hydro. If you require support applying online because you are a person with a disability, please contact us at [Recruitmenthelp@BCHydro.com](mailto:Recruitmenthelp@BCHydro.com).

All BC Hydro employees will be required to show proof of full Covid-19 vaccination.

### Flexible work model role definitions

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Our four role types identify the degree of flexibility an employee could have to work from home based on the type of work they do. The flexibility for an individual job is up to the manager for each position and the operational requirements. Employees also have the right to work full-time from the office if they prefer. All of our roles require at least some in-person time.

IBEW/Field – No option to work from home

Resident – Works primarily (4+ days per week) in the office.

Hybrid – May be able to work from home up to 3 days per week.  
Remote – Works from home 4+ days per week