

**Position:** Materials Testing Technician

### **Position Summary**

The Materials Testing Technician is responsible for testing and inspecting various construction materials, such as soils, aggregates, asphalt, and concrete for QC or QA purposes. Technician will also prepare field inspection and lab test reports. This position involves fieldwork as well as working in a laboratory setting.

### **Primary Responsibilities**

- Sampling and testing fresh concrete (including slump, air content, temperature, and casting cylinders)
- Collecting soil, aggregate, or hot-mix asphalt samples on site
- Conducting in place field density testing using a nuclear densometer
- Performing laboratory soil tests (sieve analysis, hydrometer, Atterberg limits, Proctor analysis)
- Concrete compressive strength testing
- Performing laboratory asphalt Marshall tests
- Cleaning, maintaining, and calibrating test equipment
- General lab maintenance

### **Key Working Relationships**

*Internal:*

- Operations manager
- Other staff members
- Administration

*External:*

- Clients (existing and potential)
- Engineers or consultants
- Project supervisors

### **Working Conditions/Environment**

- Standard work week: Monday to Friday, 8 hrs per day
- Overtime and some weekend work is required
- Frequent travel and outdoor work at project sites required. Outdoor tasks are performed in varying weather conditions

### **Knowledge and Skill Requirements**

Education, Experience and Certification

- Possess or working towards a Civil Engineering/Geotechnical Degree, Technology Diploma or Certificate
- Registration or eligibility for registration in the EGBC/ASTTBC will be considered an asset. An equivalent combination of training and experience will also be considered
- CCIL Certification for soils, concrete, and asphalt would be an asset
- Radiation Safety and TDG Certification preferred with experience using a nuclear densometer
- A valid Class 5 BC drivers license

#### Technical Knowledge

- Knowledge in basic soil testing procedures and compaction techniques
- Knowledge of basic engineering principles and practices used in civil construction and road projects
- Knowledge and ability to interpret standards, specifications and test methods according to MMCD, CSA, ASTM, AASHTO
- Familiar with construction and worksite safety procedures and precautions
- Working knowledge of computer software, specifically: spreadsheets, word processing, databases and email

#### Technical Skills

- Demonstrated ability collect and analyze field data
- Demonstrated ability to observe, report and maintain thorough, legible and accurate field records
- Ability to read and interpret construction drawings and specifications

#### Other Key Skills

- Physically fit with the ability to handle demanding field work
- Capable of lifting 25kg test samples
- Excellent communication and interpersonal skills
- Professional and positive attitude
- Able to work both independently and in a team environment
- Demonstrated ability to organize and manage assigned workload and productivity expectations, advising supervisors of any significant issues

### **Company Background**

Artech Consulting has been operating in Cranbrook since 1984. We are the primary materials testing and inspection company in the East Kootenay, working in close association with regional engineering firms to provide an independent complementary service. Our service area extends from Creston to the Alberta border and north into the Columbia Valley. Our work consists of approximately 40% concrete, 40% structural soils, and 20% asphalt pavement, with a fully equipped lab to support our field activities. We have 4-6 employees, depending on seasonal requirements.

### **How to Apply**

If you would like to experience life in the beautiful East Kootenay region of B.C., and have the skills and abilities we are seeking, please email your resume and a cover letter clearly to:

Artech Consulting Ltd.  
Attention: Bryan Morrison  
EMAIL: [bmorrison@artechconsulting.ca](mailto:bmorrison@artechconsulting.ca)

Applications will be continuously evaluated as they are received; the posting may close at any time. All responses are confidential. Only individuals selected for an interview will be contacted. Artech Consulting is committed to providing equitable treatment and equal opportunity to all persons throughout our recruitment, selection and employment processes. Thank you for your interest.