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## **Leak Detection and Condition Assessment Project Engineer**

*Location: Toronto, Irving / Dallas Texas, New Orleans*

*Contact: [recruiting@echologics.com](mailto:recruiting@echologics.com)*

Echologics, a world leader in Leak Detection and Condition Assessment of Water Mains requires an engineering graduate as a Project Engineer for project work in leak detection and condition assessment for water pipelines. The position will include the following responsibilities:

- Conducting leak detection surveys of water distribution networks
- Conducting transmission main leak detection studies
- Conducting condition assessment measurements on distribution mains
- Interfacing with client representatives and communicating results
- Perform flow measurements of transmission mains
- Manage and maintain equipment for leak detection and condition assessment projects
- Prepare leak detection and condition assessment reports

This role involves roughly 70% travel, with each trip typically lasting one to four weeks. Most of the work will be outdoors, conducting leak detection and condition assessment tests on water pipelines, with analysis and reporting duties between deployments. This is a growth-oriented position with opportunities to advance in technical and leadership areas. While this is an entry-level posting, Echologics is also looking for applicants to more senior project engineers with experience specifically related to this role.

The following qualifications are required for the position:

- Engineering degree, with civil or mechanical specialty preferred
- Experience doing outdoor field work, or outdoor hobbies.
- Strong verbal and written communication skills
- Demonstrated ability to problem solve technical issues
- Demonstrated ability to work independently
- Desire to travel within North America and abroad
- Desire to work outdoors doing mechanical and electronics work.

The successful candidate will have some of the following additional qualifications:

- Experience in water leak detection, including acoustic techniques
- Experience in non-revenue water management or pipeline assessment
- Education or experience in the water industry or acoustical engineering
- Education or experience in leak detection or non-destructive testing
- Experience in a position that involved significant troubleshooting
- Experience working with custom electronics or instrumentation
- Project management experience
- Familiarity with water distribution system layout and design in the North America related to application of leakage control techniques