

Engineering Technologist - Asset Management



THE ORGANIZATION

The Atlantic First Nations Water Authority (AFNWA) represents progress, innovation, and a long-term solution for water and wastewater issues that affect Atlantic First Nations communities. Incorporated on July 18, 2018 as a non-profit organization under the Canada Not for-profit Corporations Act, the AFNWA is a ground-breaking First Nation owned organization that will provide water and wastewater services to participating communities. This approach will ensure a culturally appropriate, service oriented, and technically strong First Nations water utility which will own, operate, and maintain water and wastewater systems on their reserves.

POSITION: Engineering Technologist – Asset Management

DEPARTMENT: Engineering

REPORTING RELATIONSHIP: Reports to Manager of Engineering

LOCATION: Millbrook First Nation near Truro, NS

SALARY: \$55,000 to \$69,000 depending on experience and qualifications

PRIMARY FUNCTION: As a core member of the Engineering Team, performs technical duties relating to the asset management program including data collection and management, performance analysis, capital prioritization, and condition assessments, for water and wastewater infrastructure

DUTIES AND RESPONSIBILITIES:

- 1) Performs research, data collection, analysis and document preparation for technical reports and studies relating to asset management projects/topics.
- 2) Prepares cost estimates and preliminary background information required for the proposed candidate capital projects.
- 3) Liaises with First Nation agencies, developers, consultants, contractors, vendors and other related agencies.
- 4) Develops infrastructure rehabilitation and replacement strategies and programs.

- 5) Gathers and interprets data from existing records, field observations including CCTV, data collection equipment.
- 6) Maintains project optimization database.
- 7) Assists Engineering and Operations with capital needs coordination in preparation for the annual and long-term capital budgets.
- 8) Assists with preparation of annual and long-term capital budgets.
- 9) Assists in developing and implementing asset management strategies, policies, and procedures.
- 10) Assists with developing Request for Proposals and Tenders, and manages contractors, consultants, and specialists to ensure compliance with contractual requirements and established safety and risk management standards.
- 11) Assists with provision of project management duties related to asset management projects including project planning, contract document preparation, quality control and reporting.
- 12) Develops and maintains the asset registry.
- 13) Performs such other related duties as may be assigned.

MINIMUM QUALIFICATIONS:

Education: Technical diploma in engineering sciences (or a related field) with an emphasis on underground infrastructure management and municipal servicing (water, wastewater, stormwater); course work related to asset management will be considered beneficial

Experience: Minimum five years of experience in infrastructure management or municipal servicing (water, wastewater, stormwater) with an asset management focus including significant responsibility for data management using database systems, and/or data analysis and interpretation using statistical or mathematical techniques

Certificates/Licenses/Registrations:

- Registered member or eligible for provincial membership as Certified Engineering Technologist (C.E.T.)
- Must possess a valid Driver's License
- Must be willing to undertake and maintain valid First Aid and GHS

Other Knowledge, Skills, Abilities:

1. Strong written and oral communication skills.
2. Strong analytical skills with emphasis on infrastructure asset management, data collection and analysis, and system performance monitoring.
3. Skills in project coordination, system design, drafting and database management.

4. Knowledge of mathematical and engineering principles.
5. Knowledge in the area of water, wastewater and stormwater infrastructure.
6. Knowledge of data management and database principles.
7. Familiarity with asset condition assessment procedures, visual infrastructure inspections, and other data gathering techniques.
8. Computer knowledge and proficiency in software utilized in asset management applications including GIS and AutoCAD.
9. Demonstrated organizational and problem-solving skills.
10. Ability to establish and maintain effective working relationships, with demonstrated experience working successfully in a team.
11. Demonstrated experience working with First Nation communities and agencies.

To Apply: Please email your resume and cover letter to John Lam, Manager of Engineering at John.Lam@afnwa.ca by December 16, 2020.

If all qualifications are equal, preference will be given to persons of Aboriginal ancestry.