

AECON – EIT – MOP Validation Specialist (New Graduate)

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Organization Overview Aecon Group Inc. is an industry-leading construction and infrastructure development company at the forefront of our economy's strongest growth sectors – Infrastructure, Energy, Mining. Aecon and its subsidiaries provide services to private and public sector clients throughout Canada and on a selected basis internationally. Aecon is pleased to be recognized as one of the Best Employers in Canada.

Divisional Overview Aecon Energy offers a suite of unparalleled services to some of Canada's largest energy suppliers, providing best-in-class solutions to the oil and gas, nuclear, co-generation, and renewable sectors.

Business Unit Overview Aecon Utility Engineering (AUE) a division focusing on engineering design and management, employing upwards of 100 engineers, technicians, project managers and clerical staff.

AUE was formed in 2005 to supply engineering and design services and support for our key Utilities clients. AUE's design expertise covers the full spectrum of underground and overhead design and project management services for all types of utility construction including Oil & Gas Transmission, Distribution, and Storage, Hydro Electric Distribution and Transmission, Telecommunications, and District Energy Systems.

Business Unit AUE

City North York

Province/State Ontario [ON]

Country Canada [CA]

Title EIT - MOP Validation Specialist

Position Overview The MOP Validation Specialist will primarily be responsible for completing Engineering Assessments to evaluate and verify the Maximum Operating Pressure (MOP) of high stress pipeline systems in Enbridge Gas Distribution areas. The successful candidate is responsible for searching, retrieving, sorting, analyzing and categorizing physical and electronic records, as well as, identifying where/when duplicate records exist so that de-duplicate and disposition action can be taken by others. An integral part of the continuous improvement cycle of the program, the Validation Specialist is expected to identify efficiency and effectiveness enhancements.

The successful candidate will verify and sustain pipeline operating limits by completing the following activities under the supervision of a P.Eng/Senior Analyst.

This is a 1-year contract opportunity, with possibility for extension, starting June 2017.

- Key Responsibilities**
- Perform engineering calculations on all components in existing and proposed pipeline installations to ensure pipelines are qualified to operate within material design and stress limitations, by applying knowledge of stress analysis, fluid mechanics, metallurgy, welding, or corrosion

- Assess pipeline installation and maintenance records to collect and evaluate critical asset and condition information
- Consult codes and standards pertaining to the design, installation, operation, and maintenance of gas pipeline systems, in particular CSA Z662 Oil and Gas Pipeline Systems
- Prepare and updating technical reports to document activities and decisions relating to engineering assessments
- Prepare field verification work packages to issue to field Operations, per the assessment methodology, to obtain additional material information and create verifiable, traceable, and complete asset records for all components in the pipeline system
- Develop and sustain the MOP assessment methodology according to applicable codes, engineering principles, Company procedures, and industry best practices
- Determine and implement new and existing Company policies, practices, and procedures which may affect the governance and control areas of the Company specific to design, construction, planning, maintenance or records keeping
- Work with the MOP Project Records Coordinator to retrieve physical records from on site storage and complete requests for retrieval from off site locations
- Pre-process of documents for further analysis or imaging
- Review, analyze and sort records based on specific research criteria
- Enter descriptive and other metadata before storing/archiving electronic records
- Maintain records research tracking sheets of work completed
- Implement quality control procedures to ensure integrity of documents and/or records metadata
- Identify improvements in processes, systems, technology and procedures

Required Knowledge & Skills

- High level of oral and written communication skills are required for writing technical documents, responding to inquiries, and presenting issues to a variety of audiences
- Co-ordination of multiple projects requires effective organizational skills, results orientation, innovative problem solving and decision making skills, and the ability to work on project teams.
- Must be able to quickly understand the impacts of technical and operational issues and provide a safe, thorough, and correct response to inquiries
- Graduates of recognized Engineering programs in a discipline of Chemical, Mechanical or Industrial Engineering with eligibility to participate in the EIT program of Professional Engineers Ontario.
- Experience in any/all of the following areas:
 - Gas distribution
 - Pipe design
 - Construction practices
 - Technical records management
- Previous experience using computer systems to manage data, records and information is preferred
- Experience reading technical & engineering drawings is required
- Must be able to read and interpret engineering drawings, construction as-builts and technical records
- Demonstrated attention to detail and ability to efficiently proof read documents
- Ability to work in a process based environment with high work volumes and transactions

- Proven ability to plan, organize and execute task objectives required
- Strong computer skills required – MS Office (Excel, Word, PowerPoint) and MS SharePoint ; experience in GIS is an asset
- Must be able to lift and maneuver standard records retention boxes in the 10 to 20 kg range

Employment Status Contract

Date Req Created 4/20/2017

Duration of Contract 1 year

Job ID 4327

Compensation & Benefits Overview Aecon offers the opportunity to work on challenging, high profile projects and provides competitive compensation and benefits.

Equity Statement Aecon is an equal opportunity employer.

Accessibility Aecon accommodates. Upon request, Aecon accommodates candidates with disabilities throughout the hiring process.