

## **POSITION OVERVIEW – Senior Engineer / Technologist – Asset Integrity**

This position is required to provide technical asset integrity support to Group 10 Engineering. The role requires a blend of field and office work. The primary competencies required are pipeline and pressure equipment integrity experience with comprehensive regulatory knowledge.

The ideal candidate will have experience and advanced understanding of corrosion mechanisms and mitigation strategies to support asset integrity management, overall energy industry risk management and regulatory compliance.

Work may require long hours to complete assignments without supervision. Candidate must have excellent communication skills and be able to interface directly with clients with a goal of maintaining and growing client relationships while delivering advanced technical solutions.

Excellent report writing is an absolute requirement.

### **JOB DUTIES/RESPONSIBILITIES**

- Interpret and communicate regulatory requirements
- Review and establish asset integrity programs for pipelines, piping and pressure equipment
- Develop manuals, and procedures to support asset integrity programs
- Interface with field and office personnel regarding compliance requirements
- Project manage implementation of pressure equipment/piping/pipeline inspection programs
- Perform remaining life assessments
- Perform field audits and equipment assessments
- Develop vessel, piping, tank and pipeline inspection programs
- Perform inspections on above ground equipment when required
- Develop and execute Direct Assessment of pipelines
- Perform fitness for service evaluation of pressure equipment, tanks, pipe and pipelines (API 579 level 1)
- Support Development of Pipeline Operation and Maintenance Manuals
- Support pipeline in line inspection programs, strategy, data and defect assessment
- Develop corrosion and piping circuits for facilities and support asset risk management & RBI
- Develop corrosion mitigation programs
- Develop corrosion monitoring programs
- Determine damage mechanisms and determine corrosion rates
- Recommend monitoring tools and locations
- Recommend sampling requirements and targets
- Support Failure investigations and RCA
- Inspect pipelines, tanks and pressure equipment within your competencies and the regulatory guidelines

### **OTHER SKILLS & ABILITIES**

- Must have exceptional interpersonal skills and be able to deal directly with client on technical issues
- Must have excellent organizational skills, ability to break problems down and find fit for purpose solutions
- Must have exceptional report writing skills
- Must be able to multi-task and solve complex problems in a timely manner
- Must be able to work in a dynamic environment and have initiative to excel and grow
- Must be able to maintain a high level of detail and accuracy with documentation and data

- Must be proficient in Microsoft Word/Excel/PowerPoint & have capacity to adapt to new systems quickly/effectively
- Must have the ability to work in a cross-functional team environment
- Strong analytical skills
- Ability to travel nationally and internationally

## **EDUCATION/EXPERIENCE**

- Professional Engineer or Technologist and Member of APEGA and/or ASET
- Experience working in Oil & Gas or Chemical Processing operating environment
- Asset Integrity and or Corrosion and materials experience
- Minimum 10 years related technical experience (will consider less based on type of experience & individual aptitude)
- Certifications from NACE, API and other are preferable

## **CORE COMPETENCIES**

**Adaptability/Managing Change:** Ability to work with various technical problems and find unique and competent methods of addressing problems. Ability to shift and adapt to various technical challenges on a daily basis.

**Communications:** Ability to speak and write clearly and succinctly and able to listen effectively and get messages across that have the desired effect. Can write excellent detailed and accurate technical reports with focus on solutions required by the client.

**Initiative:** Does not wait for direction, defines what needs to be done and acts proactively. Takes responsibility for own development and does what is necessary to ensure client needs are met.

**Teamwork:** Knowledge, skill and ability to work effectively with others to achieve optimal collective results. Where required, take leadership role while respecting the contribution of the team.

**Technical/Operational Skills:** Possession of exceptional technical and operational knowledge, skills and experience to provide expert advice to clients or to be able to engage the right experts as required and the knowledge and experience to know when appropriate.

**Total Business Understanding:** Knowledge and expertise to formulate strategies, structure and determine market needs.

Job Types: Contract, Permanent

Required experience:

- Related: 10 years

Job Location:

- Calgary, AB

Required language:

- English