

JOB DESCRIPTION

PIPELINE ENGINEER



The **Pipeline Engineer** candidate will be responsible for engineering planning, design and installation of pipelines and facilities to enable H₂O Midstream's operations. This position is also responsible for maintaining and running hydraulic models for field operations and new projects to make sure that H₂O Midstream's operations run at maximum efficiency and meet safety and environmental regulations. The hydraulic model is critical for both short- and long-term planning of H₂O Midstream's operations. The Pipeline Engineer candidate will also participate in team meetings to ensure that all requirements are being met.

This position requires an individual with an adequate understanding of the job function. Work is performed independently and under limited supervision. Provides solutions to a variety of operating problems of moderate scope and complexity. Frequently applies engineering and technical standards, principles, theories, concepts and techniques. Determines approach to work and is supervised based on assignments and operating performance. Work is periodically reviewed for overall accuracy and soundness of judgment.

Essential Duties & Responsibilities:

- Understand the fundamentals of hydraulics as it relates to flow in pipes, e.g., Darcy-Weisbach and Hazen Williams, frictional losses in pipe and fittings
- Build and balance hydraulic simulations and models
- Understand pipeline engineering fundamentals
- Experience with pipelines and rotating equipment (e.g., pumps) design and construction, from FEED to as-builts
- Manage projects to ensure on-time and on-budget results that meet design specifications
- Responsible for project cost and schedule tracking, including building a historical database to assist with future budgeting and analysis
- Prepare and provide schedule progress and risk reports, trending charts, and schedule analysis
- Review engineering design packages including the BOM, and provide feedback and comments to the originator
- Author RFP documents for professional services, e.g., survey, ROW and engineering (detailed design from IFR to as-builts)
- Author bid packages for pipeline and facility projects
- Responsible for material quoting, bid reconciliation and tabulation including identifying new suppliers
- Manage sub-contractors or similar professional services providers, including interaction with and support of subcontractors, e.g., answer RFIs and approve route changes
- Utilize computer modeling and data analysis tools to aid in the evaluation, justification, and development of solutions to problems and/or opportunities
- Utilize systems, processes, and support the Engineering Team to aid in decision-making to complete engineering tasks and projects to minimize time and costs
- Influence decisions that improve reliability and operability, reduce operating costs, and create a sustainable competitive advantage – think and execute creatively
- Provide technical support to all functional departments, as part of troubleshooting, regulatory compliance, and optimization

Minimum Education & Experience:

- Bachelor's degree in Engineering (Civil, Mechanical, Chemical or Petroleum preferred)
- EIT or Texas PE eligibility or possess a current status of either
- Three (3) to eight (8) years of Midstream or Upstream Oil & Gas experience

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Knowledge, Skills & Abilities:

- Demonstrate understanding of pipeline hydraulics including building and balancing hydraulic models
- Familiarity with 49 CFR 192, CFR 195 design codes is a bonus including applicable ASME Standards, e.g., B31.8
- Knowledge of pipeline engineering fundamentals
- Pays attention to detail and is able to diagnose problems with systems
- Experience with SCADA systems is an asset
- Demonstrate commitment to compliance with applicable laws and regulations, company's ethics code of conduct, and other company policies and procedures
- Respect and follow safety policies and regulations; scan the environment for objects or people who may pose a safety risk; encourage others to utilize safe and healthy work practices
- Ability to distill data into concise and easily understood concepts and recommendations
- Analytical skills and experience; ability to solve a range of straightforward problems; analyzes possible solutions using standard procedures
- Ability to apply principles of logical thinking to define problems, collect data, establish facts and draw conclusions
- Strong oral and written communication skills with the ability to communicate at all levels of the organization as well as to customers
- Ability to author technical reports as it relates to projects and present summaries to the broader organization
- Ability to effectively handle pressures and demands of deadlines and competing priorities
- Ability to handle confidential information and material with the highest degree of professional responsibility
- Strong skills in Microsoft Office applications: Word, Excel, PowerPoint
- Ability to develop network of contacts and partners
- Strong collaboration skills in order to partner effectively across various groups and levels of the organization
- Ability to discern data inaccuracies through technical experience and knowledge
- Strong skills in writing concise reports and proposals

Percent of Travel: 10-20% to West Texas

Location: Houston, Texas

Reports to: Vice President, Pipeline Engineering

Send resumes to: careers@h2omidstream.com

H₂O Midstream has a diverse, customer-focused, high performing team committed to creating and maintaining an inclusive environment and is proud to be an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation or any other basis protected under applicable discrimination law.