ENGINEER I/II

Posting ID: EM19506411
Company: Southwest Gas
Position Type: Full-Time
College Major(s): Civil Engineering (CEE), Mechanical Engineering (ME)

Company Website: https://www.swgas.com
Work Location: Las Vegas, NV
Salary: DOE
College Level(s): Undergraduate-Senior, Alumni

OVERVIEW

The Engineer I is an individual contributor involved in existing and new facility design and planning within Gas Operations. This position is also involved in field decisions for the installation/construction of gas facilities. Responsibilities typically include beginning level gas engineering and/or construction projects.

The Engineer II is an individual contributor involved in existing and new facility design and planning within Gas Operations. This position is also involved in field decisions for the installation/construction of gas facilities. Responsibilities typically include intermediate to advanced level gas pipeline system engineering.

Roles and Responsibilities

Engineer I

- Evaluate municipality, other utility and private developer plans to assess the need for facility modifications
- Design and manage projects according to Company and government specifications
- Prepare parts lists, bills of materials and cost estimates
- Conduct computer simulations/network analyses to test facility designs or evaluate gas system integrity
- Conduct research for pipeline facility testing and qualification, and pressure increase procedures and upratings
- Evaluate and select optimum design alternatives
- Perform preliminary engineering analysis necessary to investigate new projects
- Perform engineering calculations
- Prepare cost estimates on proposed design projects
- Review completed designs
- Communicate project status to appropriate departments
- Maintain data in accordance with regulatory requirements
- Write technical instructions and procedures
- Research information on material, equipment and related costs for project activities
● Assist with long-term planning initiatives
● Assist with emergency response activities – Be subject to “on-call” duty as needed
● Coordinate and provide engineering oversight of construction projects
● Coordinate environmental, permitting and Right of Way requirements
● Provide technical guidance to non-exempt engineering employees
● Review and evaluate Operations and Maintenance Compliance records
● Project Manage basic Engineering Department projects
● Perform related duties and responsibilities as assigned
● Regular and predictable attendance is a condition of employment and is an essential function of the job

**Engineer II**

- Evaluate municipality, other utility and private developer plans to assess the need for facility modifications
- Design and manage projects according to Company and government specifications
- Prepare parts lists, bills of materials and cost estimates
- Conduct computer simulations/network analyses to test facility designs or evaluate gas system integrity
- Conduct research for pipeline facility testing and qualification, and pressure increase procedures and upratings
- Evaluate and select optimum design alternatives
- Perform preliminary engineering analysis necessary to investigate new projects
- Perform engineering calculations
- Prepare cost estimates on proposed design projects
- Review completed designs
- Communicate project status to appropriate departments
- Maintain data in accordance with regulatory requirements
- Write technical instructions and procedures
- Research information on material, equipment and related costs for project activities
- Assist with long-term planning initiatives
- Assist with emergency response activities – Be subject to “on-call” duty as needed
- Coordinate and provide engineering oversight of construction projects
- Coordinate environmental, permitting and Right of Way requirements
- Provide technical guidance to non-exempt engineering employees
- Review and evaluate Operations and Maintenance Compliance records
- Project Manage basic Engineering Department projects
- Perform related duties and responsibilities as assigned
- Regular and predictable attendance is a condition of employment and is an essential function of the job

**Education and Qualifications**

**Engineer I** - This position requires a bachelor’s degree in Civil or Mechanical Engineering from an accredited university. Other Engineering degrees may be considered.

**Engineer II** - This position requires three to five years of relevant work experience and a bachelor’s degree in Civil or Mechanical Engineering from an accredited university. Other Engineering degrees may be considered.
How to Apply