



Example of Corrosion Engineer Job Description

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Our company is growing rapidly and is looking to fill the role of corrosion engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

Responsibilities for corrosion engineer

- Prepare designs for Cathodic protection
- Write specifications and design criteria
- Interface with clients on a daily basis
- Prepare cost estimates and support the division
- Implementing technical solutions and technical programs provided by Asset Integrity leadership
- Exercising independent judgment and discretion while making technical and program compliance decisions
- Serving as key resource and expert in DOT/OPS and other agency investigations/audits
- Responding to emergencies as requested
- Utilizing the CPDM (Cathodic Protection Data Management) software to record, monitor and evaluate CP data for ensuring 100% compliance
- Actively participating in regulatory and corporate audits

Qualifications for corrosion engineer

- Ability to design R&D experiments, analyze data and identify important variables and physically significant trends
- Ability to work collaboratively across a broad spectrum of internal and external customers
- PhD in Materials Science or Metallurgical Engineering from an accredited

- Participate in technical planning, system integration, verification and validation, cost and risk, and supportability and effectiveness analyses for materials, chemical, and integrated systems
- Analyze and research materials and their related fabrication and application processes to develop and optimize materials for use in engineering design of and/or application in structures, systems and subsystems