



Example of Corrosion Engineer Job Description

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Our company is looking to fill the role of corrosion engineer. We appreciate you taking the time to review the list of qualifications and to apply for the position. If you don't fill all of the qualifications, you may still be considered depending on your level of experience.

Responsibilities for corrosion engineer

- Develops and reviews technical specifications relating to materials and corrosion, including development and updating of Integrity Operating Windows and Corrosion Control Documents
- Monitor internal corrosion
- Specify maintenance programmes that includes cleaning pigging and chemical treatment, sampling programme for analyses corrosion probe and coupon analyses
- Provides consultation on materials selection, corrosion monitoring and control, remaining life assessment, and repair strategies
- Supports and updates plant corrosion/damage mechanism reviews as part of the PHA process, Metallurgical Reviews, and Risk-Based Inspection plans
- Mentors inspectors, engineers, and others in materials technologies such as materials selection, welding and fabrication, and corrosion control
- Supporting Pipeline Integrity Programs (ILI evaluations)
- Frequently collaborating with key internal stakeholders to ensure alignment across the Operating Division and Asset Integrity groups
- Provides subject matter technical support for regulatory audits
- Manage Design process of D&C contracts, as required, from project handover to close-out including client liaison

Qualifications for corrosion engineer

international standards in the corrosion or related fields

- Apply principles of chemistry, physics, and material behavior to assess metallic, non-metallic and composite material and processing specifications, fabrication and assembly processes
- Conduct material analyses to include failure analysis of components, systems and subsystems, life predictions, and definition and requirement specifications
- Bachelor of Science Degree in Materials Engineering, Metallurgical Engineering, Materials Science or Chemistry (with a corrosion emphasis)
- Materials, Corrosion or Mechanical Engineering University degree
- Ability to demonstrate required competencies and work independently providing corrective service and support mindset