



Example of Hydraulic Engineer Job Description

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Our company is hiring for a hydraulic engineer. Thank you in advance for taking a look at the list of responsibilities and qualifications. We look forward to reviewing your resume.

Responsibilities for hydraulic engineer

- Coordinate energy optimization-related hydraulic performance assessments for the Products Pipelines business unit
- Perform liquid pipeline system capacity and optimization analyses
- Develop and maintain operational performance tracking models, tools, and reports
- Perform periodic evaluations to identify anomalies and trends
- Complete theoretical 'what-if' scenario analyses to predict pipeline behaviors and estimate incremental expense
- Evaluate pipeline pumping performance and efficiency
- Identify and assess hydraulic waste points and develop solutions for improvement
- Investigate and make recommendations toward the resolution of suboptimal pipeline hydraulic and energy consumption performance
- Manage (plan, monitor, adjust) selective pipeline DRA injection to enhance volumetric pipeline flow and/or reduce energy consumption
- Provide guidance to Products Movements and Operations personnel related to scheduling, fluid-flow, and pumping efficiencies and optimization

Qualifications for hydraulic engineer

- Experience with multiple actuator test setups
- Experience in the development of test plans/procedures
- Engineering knowledge of joint techniques (weld, bond, fasteners, rivets,)

- Familiarity with strain-gage based instruments
- Understanding or specific training of reliability theories and their application preferred