



Example of Hydraulic Engineer Job Description

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Our growing company is looking to fill the role of hydraulic 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 hydraulic engineer

- Other support duties assigned as needed
- Establish and maintain an effective working relationship with management, employees, customers and other third-parties
- Undertake assignments on multi-disciplinary projects within teams of civil, mechanical, process and electrical/I&C engineers, including the provision of appropriate technical and managerial services
- Performing design review of all Contractor submissions such as, designs(Pumping station and surge tower), drawings, reports (Hydraulic studies, Surge analysis, CFD simulation study) and material submittals
- Apply applicable industry standards specifically SAE J1453, SAE 516,517 & 518, ISO 4406-1996
- Conduct hydrologic and hydraulic studies using computer models and data research/capture, following applicable standards and data capture protocols
- Prepare publication-ready profiles, tables, maps, technical reports, and other modes to disseminate technical results, data research, model development, and methodology, meeting applicable standards
- Coordinate the distribution of responsibilities with project team, engineers, and GIS Specialists
- Interact with project team, agency staff, local officials, private consulting engineers, and the general public, including participation in and contribution of input to meetings regarding collaborative efforts
- Other related duties as assigned and special projects to further the mission of

Qualifications for hydraulic engineer

- Ability to select the most appropriate method of test, instrumentation, materials, and fabrication techniques to meet deadlines and budgets while achieving first-rate test results
- Hands on capabilities and knowledge of machining and fabrication techniques preferred
- Understanding of basic electronics principles and measurement systems
- Experience with validation of Aluminum structures a plus
- Passion for testing and "cradle to grave" approach in validation projects
- Manage Design activities