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# Example of Pipeline Engineer Job Description

Our company is growing rapidly and is hiring for a pipeline engineer. To join our growing team, please review the list of responsibilities and qualifications.

## Responsibilities for pipeline engineer

* Participate in and advise on all construction activities and initiatives, including provision of training / inductions, documentation reviews
* Wall thickness, stress (hoop, thermal, bend), buoyancy control, hydraulic profiles
* Crossing drawings (watercourse, road, rail)
* Generation of data sheets and material requisitions for mechanical items (pipe, valves, bends, tees)
* Desktop routing of buried linear infrastructure (crossing angles, bend layouts, valve siting)
* Undertake and check pipeline analytical calculations
* Mechanical design, wall thickness, preliminary stress analysis, expansion analysis, and free-span analysis
* Build project cost estimates for inclusion into annual budgets
* Submit project AFEs for approval, approve invoices and ensure that project costs do not exceed allotted amount
* Design, plan, schedule and maintain work record data lead all phases of moderately complex projects in a specific discipline in an assigned functional area

## Qualifications for pipeline engineer

* Develop project scope documents, schedules, contractor bid documents, manage the bid process including job showing, recommend contractor, and manage contractor activities
* Apply the company's design and operating philosophy to meet corporate goals for safety, regulatory compliance, efficiency, and profitability
* Travel estimated from 10% to 30% of the time to field sites and offices with occasional overnight stays
* Requirement to carry a company-provided cell phone and be available to respond during working and non-working hours
* Read and interpret mechanical, electrical, control, and instrumentation drawings
* Provide engineering support and technical expertise to support mechanical equipment operations