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FIGURE

6.0 NATURAL GAS SUPPLY

6.1 GAS SUPPLY

The project will be fueled with pipeline-quality natural gas delivered by PG&E. Gas supplies will be acquired from gas providers in supply regions accessible through the PG&E gas transmission system. Over the life of the project it is expected that a variety of different suppliers will contract to provide the gas commodity to the PG&E system for transport to the project site. Gas will be procured at market prices. PG&E will own, operate, and maintain the natural gas pipeline.

6.2 GAS PIPELINE INTERCONNECTION

Natural gas will be conveyed to the power plant site via a new 8-inch, 1,500-foot-long gas supply pipeline interconnecting to PG&E's two nearby gas transmission pipelines. The route of the new gas supply pipeline and its tie-in to the power plant is shown on Figure 3.3-1. The pipeline would be installed at least 4 feet below ground surface.

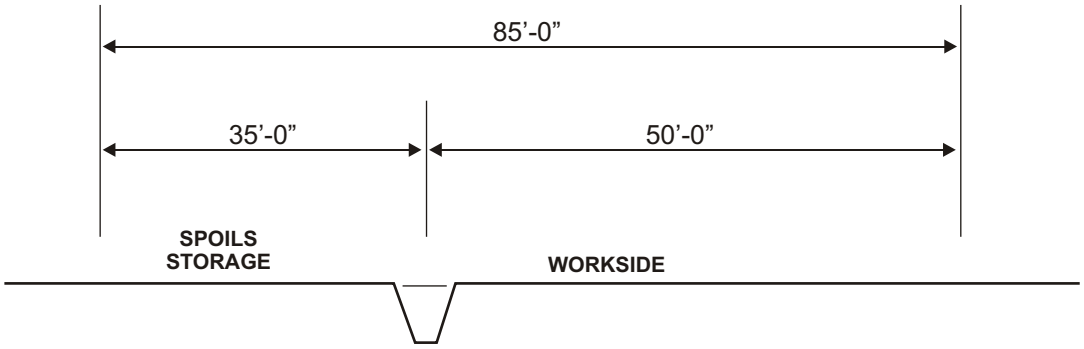
A pressure letdown station and a revenue-quality flow meter will be installed at the downstream end of the pipeline when it enters the project site. The pipeline will be also provided with isolation valves and vent valves to allow the pipeline and associated equipment to be depressurized for maintenance or repair.

6.3 PIPELINE CONSTRUCTION

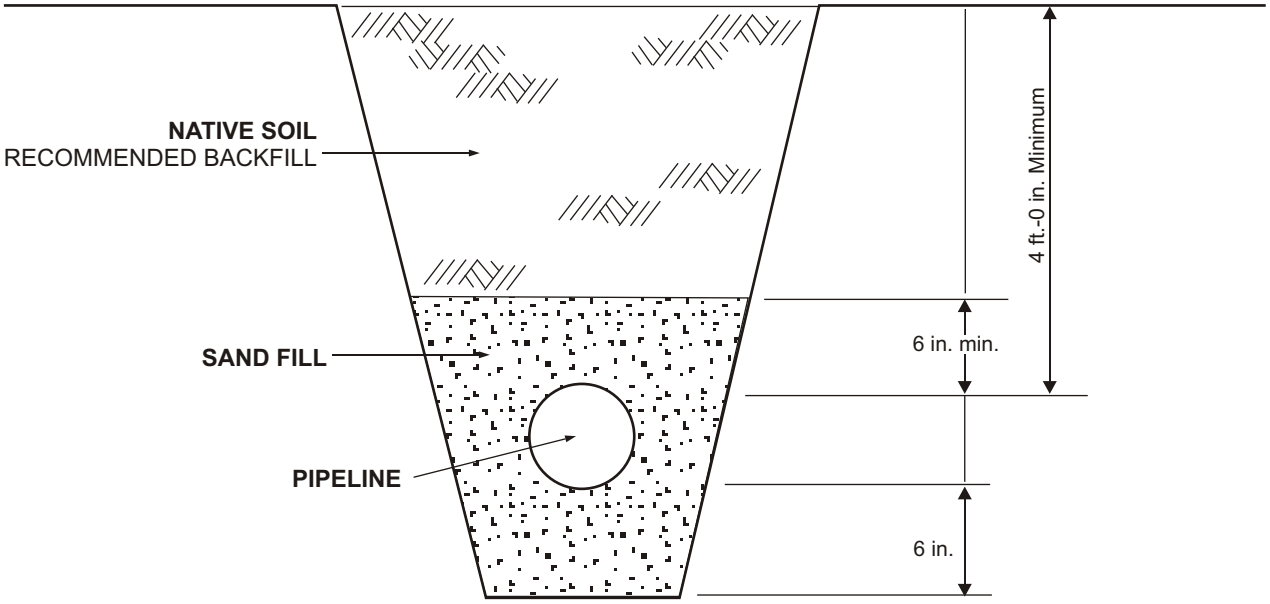
Construction of the natural gas pipeline will be completed in time to support the CTG startup and commissioning activities. Construction of the pipeline will take approximately 5 to 6 weeks with an average and peak workforce of 8 to 10 people, respectively. Staff for the construction of the natural gas interconnection line is included in Table 3.6-1. The pipeline workforce will consist of laborers, welders, equipment operators, supervisory personnel, and construction management personnel.

The pipeline will be designed, constructed, maintained, owned, and operated by PG&E in accordance with California Public Utility Commission (CPUC) General Order 112E, and the Code of Federal Regulation 49 Part 192 – Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards as applicable. The pipeline will be installed in a 50-foot-wide easement. The width of the construction along the pipeline route will be approximately 85 feet. The construction will involve a variety of crews performing the following typical pipeline construction activities: clearing and grading of the construction area; hauling and stringing of the pipe along the route; welding, radiographic inspection and coating of the pipe welds; trenching; lowering of the pipe into the trench; backfill of the trench; hydrotesting of the pipeline; tie-in to the existing pipeline; purging the pipeline with natural gas; and cleanup and restoration of all construction areas. A typical cross section showing the completed pipeline installation is shown on Figure 6.3-1.

Approximately 5,000 gallons of hydrotest water will be required for complete line fill and testing. If suitable for discharge, it will be routed to the stormwater detention basin. If the water quality is not suitable for discharge, it will be transported by trucks to an approved offsite disposal facility.



TYPICAL RIGHT-OF-WAY DISTURBANCE



TYPICAL CROSS SECTION

NOT TO SCALE

TYPICAL PIPELINE INSTALLATION

Colusa Generating Station
28067004 — E&L Westcoast, LLC
November 2006 — Colusa County, California

URS

FIGURE 6.3-1

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