

250,000 PPH PACKAGE BOILER

(Selection and Installation)

CLIENT: Weyerhaeuser Paper Company
LOCATION: Springfield, Oregon

The scope of this project was as follows:

- 1) Study present plant steam production and usage during critical periods to determine the additional boiler requirements.
- 2) Equipment required on the boiler to meet present and future EPA requirements.
- 3) Total scheduling from selection through start up.
- 4) Boiler selection.
- 5) Provide dual fuel equipment.
- 6) Provide budgetary costs.
- 7) Total engineering for boiler installation.
- 8) Start up assistance.

The following engineering skills were required in this project:

- ▶ Plant Process Evaluation
- ▶ Emission Requirements
- ▶ Emission Controls
- ▶ Budget Controls
- ▶ Project Scheduling
- ▶ Project Management
- ▶ Complete Understanding of Steam Generation and Control
- ▶ Foundation Design
- ▶ Building Design
- ▶ Structural, Including Free Standing Stack
- ▶ Electrical
- ▶ Instrumentation and Controls
- ▶ Burner Management
- ▶ Flame Safety
- ▶ Piping Design
- ▶ FM and Insurance Carrier Requirements for Boilers
- ▶ Valve Sizing and Requirements
- ▶ Start Up
- ▶ Drawing Requirements and Standards



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