

RAIL CAR UNLOADING

CLIENT: Weyerhaeuser Company
LOCATION: Springfield, Oregon

Evergreen provided detailed engineering service for a CVBL unloading and storage facility. CVBL (Concentrated Vanillin Black Liquor) is a by-product from the vanillin manufacturing process and is used by Kraft pulp mill to replace salt cake and sulfur as make-up chemical.

The engineering services included:

- ▶ Rail spur
- ▶ 90,000 gallon field erected tank
- ▶ Top and bottom rail car unloading system
- ▶ All pumping and piping systems
- ▶ All piling and foundations
- ▶ All Buildings, platforms and structures
- ▶ All electrical power, grounding and lighting
- ▶ All instrumentation
- ▶ Construction inspection services



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