



MULTI-GRADE POTASH TERMINAL

CLIENT - Portland Bulk Terminals
LOCATION - Portland, OR
COMPLETED - 2009

DESCRIPTION

Matrix PDM Engineering was contracted to enhance the operation of the multi-grade potash terminal. Before design, the project team performed an existing facility audit and a dock and bridge analysis. Conceptual through final design engineering was provided for the project and included a new receiving and loadout facility, a dust collection system, an extensive washdown system, rail car unloading, portal reclaimers, and a ship loader.

The six million ton per year capacity facility now features a 3,000 m³ rail receiving system, 100,000 mt capacity storage building, and a 4,000 m³ ship loading system.

PRINCIPAL FEATURES

- All-weather receiving and loadout facility
- Extensive washdown system to maintain cross-contamination requirements of end-users
- Dry bag dust collection system for corrosive environment
- 180 ft. long bottom-dump rail car unloading
- Two portal scraper reclaimers operated from ship's dock
- Traveling gantry ship loader with cascade spout and movable cover
- GE Fanuc PLC system
- Wonderware HMI

FOR MORE INFORMATION:

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