



CORA TERMINAL MATERIAL HANDLING SYSTEMS

CLIENT - Kinder Morgan
LOCATION - Rockwood, IL
COMPLETED - 2012

DESCRIPTION

PRB coal was being stockpiled via a radial stacker close to the existing transfer tower 4. The existing radial stacker provided inadequate storage capacity. Matrix PDM Engineering replaced the existing radial stacking system with a new system, in the current rail loop, at an unused area of the facility.

The existing diverter gate diverted coal through a new chute to a new conveyor to deliver coal at 4,000 tph to the yard and transfer the material to a new radial stacker, which forms a kidney shaped stockpile. Stockpiled coal is reclaimed with bulldozers through any of six hydraulic diverter gates that minimize the pushing distance for the dozers. The hydraulic diverter gates discharge coal to reclaim conveyor inside the new 12' tall x 15'-8" wide x 637' long reinforced concrete

tunnel. The reclaim conveyor conveys the coal at a capacity of 6,000 tph to an existing conveyor.

Other improvements included an earthen containment berm, escape tunnel and access structure, site grading, and drainage improvements. The project significantly expanded the storage capacity of the terminal, which provided greater material handling flexibility for the facility.

PRINCIPAL FEATURES

- Multi-discipline engineering
- Mechanical, structural, civil and foundation design
- Technical evaluation
- Drawing review

FOR MORE INFORMATION:

matrixpdm.com | 866 367 6879

