

Sincor Coke and Sulfur Handling Facility



PROJECT: Coke and Sulfur Export Facility for Upgrader Refinery

CLIENT: Sincor

LOCATION: Jose, Venezuela

SERVICES: Conceptual through Final Engineering and Management of Capital Project

DESCRIPTION:

The Sincor Coke and Sulfur Handling Facility in Jose, Venezuela is designed to handle 2.4 million tpy of petroleum coke and 380,000 tpy of either molten or prilled sulfur. River provided complete EPCM (Engineer, Procure, Construction Management) Services for the construction of this major coke and sulfur export facility. The project was executed on a fast track basis with River procuring 95 equipment sub-systems valued over \$62 million for this \$270 million project. This resulted in the stockpiling of petroleum coke just 18 months after the start of conceptual engineering.

PRINCIPAL FEATURES:

- More than 2,200 feet of stockpile conveyors operating at 1,800 tph
- More than 2.75 miles of petroleum coke conveyors from storage yard to shiploaders operating at 2,200 tph
- Two million square foot soil cement storage pad with the capacity to store 1.1 million tons of petroleum coke
- 720 feet of shuttle stacking conveyor with telescoping spout
- 26 gravity reclaim pits with vibrating hoppers
- Radial stacker for emergency coke storage
- Three miles of molten sulfur steam-traced piping
- 90,000 ton storage pad with a 900 tph conveyor system for prilled sulfur reclaim handling
- Dual orbiting shiploaders operating at a nominal rate of 2,200 tph; the first of their type ever constructed
- First design to accommodate coke and prilled sulfur through the dry bulk shiploader, as well as molten sulfur through a loading arm on the same dock; without the need to move the ship

