Newmont Mining TS Power Plant

Plant Owner
Newmont Nevada Energy Investment LLC

Plant Name
TS Power Plant

Location
near Dunphy, Nevada

EPC Contractor
Fluor

B&W Scope
- Coal-fired boiler with air quality control system (material only)
- Startup and commissioning advisory services

Boiler Specifications
- Boiler type: Pulverized coal-fired radiant drum boiler (RB Carolina-Type)
- Design fuel: Low sulfur Powder River Basin coal
- Capacity: 220 MW gross
- Steam flow: 1,491,300 lb/h (188 kg/s)
- Superheater outlet pressure: 2612 psig (18 MPa)
- SH/RH outlet temperature: 1055/1055 F (568/568 C)

Environmental Equipment
- DRB-4Z® low NOₓ burners with igniters and overfire air system
- Selective catalytic reduction (SCR) system

Other Equipment
- B&W Roll Wheel® pulverizers, Series 89
- Diamond Power® Hydrojet® and sootblower boiler cleaning system
- Allen-Sherman-Hoff® flyash removal system

Contract Order
2005

Commercial Operation
2008

Project Facts
- The power plant will supply electricity to Newmont Mining Corporation’s operations in northern Nevada.
Sectional side and plan views of Newmont Mining TS Power Plant.