

# Newmont Mining TS Power Plant

Project Case History

## Newmont Nevada Energy Investment LLC

Dunphy, Nevada

### 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 NO<sub>x</sub> burners with igniters and overfire air system
- Selective catalytic reduction (SCR) system



*The Newmont Mining TS Power Plant, featuring a B&W RB Carolina-type pulverized coal-fired boiler, will supply electricity to Newmont Mining Corporation's operations in northern Nevada.*

- Dry flue gas desulfurization (FGD) system
- Pulse jet fabric filter particulate collector
- Powdered activated carbon (PAC) mercury removal system
- Calcium chloride fuel additive system for enhanced mercury removal performance



### Other Equipment

- B&W Roll Wheel® pulverizers, Series 89
- Hydrojet® and sootblower boiler cleaning system by Diamond Power International, Inc. (DPII), a B&W subsidiary
- Flyash removal system by Allen-Sherman-Hoff

### Contract Order

2005

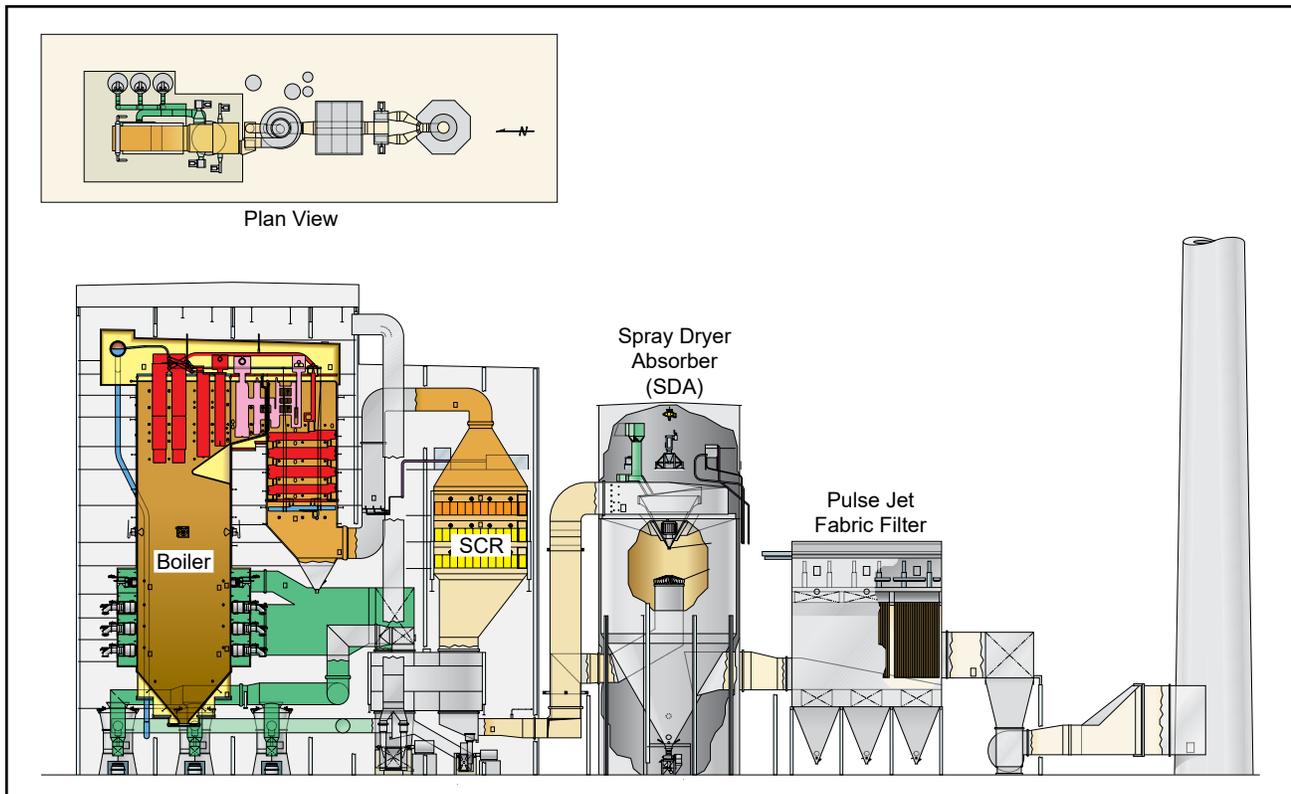
### Commercial Operation

2008

### Project Facts

- The power plant will supply electricity to Newmont Mining Corporation's operations in northern Nevada.

*(Continued on reverse side)*



Sectional side and plan views of Newmont Mining TS Power Plant.

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