

Dry Fork Station

Circulating fluidized bed scrubbing technology



Project summary

Location: Gillette, WY, USA
 Customer: Nooter/Eriksen
 Duration: 2009-2011
 Scope: Design and supply of CFB scrubber

- ▶ Sumitomo SHI FW supplied the circulating fluidized bed scrubber behind a new 420 MWe PC boiler.
- ▶ Our scope included the design and supply of the absorber, pulse jet fabric filter, ash recirculation system, water injection system and lime dry hydrator.

Plant electrical output	420 MWe @ 4,300 ft	500 MWe @ SL
Fuel	Subbituminous PRB coal	
CFB scrubber flue gas flow	1.8 million ACFM	3.1 million m3/hr
Flue gas temperature	294°F	146°C
SO2 removal	Up to 97%	
SO3 removal	Up to 96%	
PM removal	Up to 99.9%	
Hg removal	Up to 60%	Up to 80% with PAC

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We are the premier global supplier of innovative circulating fluidized bed (CFB) technologies, providing sustainable value to our customers through our relentless drive for environmentally sound and reliable power solutions while we grow.

