

EMISSIONS RETROFIT

Bechtel is a power-industry leader in the field of emissions-control systems for both new generation projects and modifications to existing facilities. Our comprehensive engineering, procurement, construction (EPC), and startup services help customers meet or exceed their environmental emissions commitments. We evaluate and select the best available technologies to fit customer needs and provide customized solutions for a range of installations.

As an industry pioneer, our experience includes many industry firsts, such as the limestone scrubber, the once-through sodium carbonate system, the spray-dryer system, the wet flue gas desulfurization (FGD) spray tower, the full-scale spray dryer system serving a utility boiler, and the US application of the horizontal scrubber FGD.

Bechtel has a long and unparalleled track record of managing both large and small-scale projects. And customers repeatedly look to the value offered by our proven EPC know-how, range of technical expertise, and dedicated customer-focused teams, which provide site-specific approaches and custom-designed solutions.

HIGHLIGHTS

- » Nearly 140 in-house technical specialists versed in air quality control system (AQCS), selective catalytic reduction (SCR), FGD, electrostatic precipitator (ESP), and fabric filter (FF) technologies, among others
- » Over 12,500 MW of wet and dry AQCSs procured and awarded since 2001
- » Emissions control equipment installed for nearly 7,900 MW of new generation and existing facility modifications since 2000

KEY PROJECTS

W.H. SAMMIS PLANT RETROFIT PROJECT

Overview: Bechtel is currently providing EPC and startup services for this project along the Ohio River near Stratton, Ohio. Scheduled for completion in 2010, the project encompasses the installation of AQCSs and supporting infrastructure on seven pulverized-coal-fired power plant units (totaling 2,200 MW) that were constructed between 1959 and 1971.



H.A. WAGNER UNIT 3 SCR PROJECT

Overview: Bechtel provided project management, EPC, and startup services for this SCR project. Following a study, AQCS equipment to reduce NO_x emissions was retrofitted between 2000 and 2002. Wagner Unit 3 is an existing 330 MW, single-unit, coal-fired power plant near Baltimore, Maryland.



BRANDON SHORES SCR PROJECT

Overview: Bechtel provided project management, EPC, and startup services for this SCR project. The work involved an engineering study followed by retrofitting AQCS equipment into the 1,400 MW Brandon Shores Units 1 and 2 coal-fired power plant near Baltimore, Maryland.



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