

Emissions Control and Heat Recovery Solutions for the Carbon Black Industry

Babcock & Wilcox (B&W) provides a comprehensive suite of emissions control solutions which are ideally suited for carbon black manufacturers needing to reduce emissions of nitrogen oxides (NO_x), sulfur oxides (SO_x) and particulate matter. Our well-proven technologies are innovative, reliable, and can be customized to fit most applications.

B&W is an industry leader in environmental and steam generation technology and has applied its experience for the carbon black industry. Our capabilities range from design and supply of environmental and boiler technologies as an original equipment manufacturer, to engineering, procurement and construction (EPC) contracts for emissions monitoring and control, balance-of-plant, and steam generation solutions, including:

Environmental Technologies

- Nitrogen oxides (NO_x) control
 - Selective catalytic reduction (SCR) systems
 - Selective non-catalytic reduction (SNCR)
- Sulfur oxides (SO₂ and SO₃) control
 - Wet flue gas desulfurization
 - Dry flue gas desulfurization
 - > Dry sorbent injection
 - > Circulating dry scrubbers
 - > Spray dryer absorbers
- Particulate matter control
 - Pulse jet fabric filters (baghouse)
- Continuous emissions monitoring systems (CEMS)
- Data acquisition and handling systems (DAHS)

Heat Recovery/Steam Generation

- Boilers
 - Cogeneration
 - Waste heat boilers
 - Package boilers
- Gas heat exchangers

Aftermarket Services

- Engineered component and system upgrades and modifications
- Replacement parts
- Field engineering support
- Commissioning and start-up services



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B&W Awarded Contract to Supply Environmental Equipment for Carbon Black Facility

In February 2016, B&W announced that it was awarded a contract to supply emissions control equipment for a carbon black manufacturing facility in the United States.

B&W's full project scope includes the supply of a wet flue gas desulfurization (FGD) system, as well as the supply of the plant's SCR system, including catalyst and ammonia handling equipment. The equipment will be used to control SO_2 , NO_x and particulate emissions. The contract also calls for B&W to supply auxiliary equipment for the project. The environmental upgrade is scheduled for completion and start-up in early 2018.

For more information, contact:

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Circulating dry scrubber with fabric filter for SO_x and particulate control.



Wet scrubber for SO_x control.



SCR catalyst for NO_x control.

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ENERGY | ENVIRONMENTAL

Established in 1867, Babcock & Wilcox is a global leader in advanced energy and environmental technologies and services for the power and industrial markets, with operations, subsidiaries and joint ventures worldwide.

For more information, or a complete listing of our sales and service offices, send an e-mail to info@babcock.com, or access our website at www.babcock.com.