SunCoke Energy®

SunCoke's Vitória, Brazil Cokemaking Operations Fact Sheet

Plant Information

OPERATING SINCE	2007
NUMBER OF OVENS	320
ANNUAL COKE PRODUCTION CAPACITY	1,700,000 tons (1,550,000 metric tons)
LOCATION	SunCoke Energy Brasil Av Brigadeiro Eduardo Gomes, 930 Jardim Limoeiro Serra, ES Brasil CEP: 29.164-072 PCE 226
PHONE	(55) 27-2125-5000
WASTE HEAT USE	Steam for Power Generation, sold to customer

Company Information

ABOUT THE COMPANY

SunCoke is the largest independent U.S. producer of coke, currently supplying approximately 4.2 million tons to domestic and international steelmakers. We have U.S. cokemaking facilities in Virginia, Indiana, Ohio and Illinois, and international operations in Vitória, Brazil. Additionally, we operate four logistics terminals in the U.S. that process raw materials and act as intermediaries between our customers and end users for both the U.S. and global export markets.

WHAT IS COKE?

A key ingredient in the production of steel, coke is made by heating metallurgical coal in large-scale, specially-designed ovens to more than 2,000 degrees Fahrenheit, which leaves behind a carbon-rich product called coke. The coke is transferred to a steel mill where it is used in a blast furnace as part of the steel-making process. Coke serves three purposes in the blast furnace: as fuel for heat, as a support for the burden of iron ore and limestone, and as a reducing agent. The iron ore reacts with the coke to reduce into pure molten iron, which is then heated in a basic oxygen furnace and turned into steel.

HEAT-RECOVERY TECHNOLOGY AND POWER GENERATION

Our advanced technologies produce high-quality coke and capture waste heat to generate power and reduce environmental impacts. In our heat-recovery process, gases released from the coal are thermally destroyed inside the coke ovens, which are under negative pressure, releasing virtually no hazardous air pollutants. The excess heat produced in this process is converted to steam and/or electricity through heat recovery steam generators and steam turbines. The Vitória operation delivers superheated steam to our customer's adjacent facility, which is able to produce approximately 160 megawatts of electricity per hour.