

Plant Information

OPERATING SINCE	1998
NUMBER OF OVENS	268
ANNUAL COKE PRODUCTION CAPACITY	1,220,000 short tons
LOCATION	3210 Watling Street East Chicago, IN 46312
PHONE	(219) 378-3900
WASTE HEAT USE	Heat for Power Generation, equipment owned and operated by third-party

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. Our Indiana Harbor facility was the first cokemaking facility in the world to use heat-recovery technology with flue gas desulfurization. Heat generated at our Indiana Harbor operations is processed for power generation by a third-party partner.

