



444 W. Sandford Ave.
West Terre Haute, IN 47885
812.535.6000

- Built in 1995, sgSolutions is located on approximately 11 acres in West Terre Haute, Indiana
- The plant was originated with help from the US Department of Energy, in the form of a grant given to Conoco Philips. Conoco Philips remains a partner in the facility, as owners of the technology and managers of the plant
- Wabash Valley Power Association and Global Energy are equal owners of sgSolutions
- sgSolutions is the only synthetic gasification facility of its' kind in the United States
- The award-winning technology converts low-cost feedstocks (coal, petroleum coke or waste fuels) into high-value, clean synthesis gas that can be used for power, hydrogen and chemicals
- The gasification process removes impurities in the feedstock that contribute to pollution
- Emissions are less than 1/10th of the standards required under the Clean Air Act
- The two-stage gasifier increases efficiencies, capturing approximately 80 percent of the chemical energy in the feedstock
- The heat recovery system recovers an additional 15 percent of the feedstock energy in the form of steam that can then be used for plant needs or integrated with a gas turbine
- Overall, the process can cost-effectively remove 90 to 95 percent of the mercury in coal
- Up to 99 percent of the sulfur can be recovered and marketed for use in the ag/fertilizer industry
- CO₂ emissions are 20 percent lower than typical pulverized coal plants currently in operation

