Biography:

**Stephen D. Jenkins, Principal, Energy & Chemicals Consulting, LLC**

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Energy & Chemicals Consulting, LLC

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***Niche Expertise:***

Technical, environmental and economic evaluations, and engineering design, of gasification and pyrolysis technologies using coal, petroleum coke, biomass, biosolids and municipal solid waste feedstocks.

Large-scale coal and petroleum coke gasification plants for generating power and for producing chemicals, liquid fuels, ammonia, and urea-based fertilizers.

***Networking Contact Interest*:**

Gasification system owners, developers, designers and investors, as well as industrial companies and municipal agencies considering gasification as a potential technology for production of chemicals and fuels, and for the generation of renewable electricity.

***Present work, business and personal history:***

Steve Jenkins has 40 years of experience in the process and power industries, with a specialty in the design, permitting, construction and operation of gasification technologies for the conversion of a wide range of feedstocks into valuable downstream products. His broad, hands-on experience ranges from small gasification systems using biomass, biosolids and waste, to large-scale coal and pet coke gasification plants designed for up to 10,000 tons/day of feedstocks.

His gasification downstream process experience includes syngas cleaning, acid gas removal, CO2 capture and use, downstream syngas use for power generation, and for producing chemicals, liquid fuels, and ammonia products.

Steve utilizes his wide range of gasifier experience to provide his clients with independent, unbiased evaluations of gasifier technologies, helping them to select the best combinations of feedstocks, gasifiers, syngas cleaning and processing, and downstream syngas conversion processes. Using his hands-on knowledge and experience, from a wide range of gasifiers and projects, he assists his clients in identifying and solving gasifier performance problems, including low efficiency, ash chemistry problems, and syngas contamination.

As a board member of the Gasification Technologies Council, Steve developed long-term relationships with gasification technology suppliers throughout the world. His “Gasification 101” workshops are well-known for their success in educating project developers, engineers, regulatory agency staff, and environmental advocacy groups on the technical basics and advantages of gasification,

The gasification services provided by Energy & Chemicals Consulting, LLC include:

* Gasifier technology evaluations and feasibility studies
* Independent Engineer assessments of gasification technologies and associated systems
* Project feasibility studies
* Conceptual gasification plant engineering
* Process characterizations
* Permitting assistance
* Owner’s engineering services
* Technical consulting
* Operating plant performance assessments
* Identification of and solutions for operating plant problems
* “Gasification 101” workshops
* Public meetings
* Expert witness testimony