



Press Release

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LPP COMBUSTION PAPER WINS AWARD FOR TECHNOLOGY ENABLING CLEAN COMBUSTION OF COAL-DERIVED LIQUIDS

Columbia, MD, October 2, 2007: LPP Combustion, LLC won an award for their paper presented by Dr. Leo Eskin (President/COO of LPP Combustion) at the 24th Annual Pittsburgh Coal Conference, held in Johannesburg, South Africa. The paper described LPP Combustion's new environmentally friendly technology that enables the combustion of coal-derived liquids while achieving natural gas level emissions. The paper also highlighted additional economic and operational benefits of using LPP's Combustion Technology with clean coal technologies such as integrated gasification combined-cycle (IGCC) power plants.

Earlier this year, LPP Combustion demonstrated that coal-derived liquids can burn as cleanly as natural gas. Synthetic JP-8 and naphtha, surrogates for coal liquids, were tested using a commercial "state-of-the-art" dry low emissions gas turbine combustor and achieved natural gas level emissions for nitrogen oxides, carbon monoxide, sulfur oxides, and particulate matter. Coal-derived liquids are cleaner fuels than their petroleum-based counterparts because the typical contaminants found in coal, such as nitrogen, sulfur, mercury, and other metals, are removed during the coal-to-liquids (CTL) process.

"LPP Combustion is an enabling technology for the clean combustion of coal liquids. We can bring power generated from coal back to the California electricity market because we can enable combined-cycle gas turbines to meet the EPS and achieve natural gas emissions levels"

**- Dr. Richard J. Roby
Chief Executive Officer of LPP Combustion**

Naphtha is made in significant quantities during the CTL process and is considered a lower value byproduct stream. LPP Combustion Technology can turn this low value naphtha stream into high value electricity and steam using a high efficiency combined-cycle gas turbine while achieving natural gas emissions levels. If CO₂ is

sequestered during the coal-to-liquids process, the current California emissions performance standard (EPS) of 1,100 lb CO₂/MW-hr can be met. Additional reductions in carbon footprint can be achieved either by blending biomass with coal during the gasification stage of the CTL process or by blending coal liquids with biofuels. "LPP Combustion is an enabling technology for the clean combustion of coal liquids. We can bring power generated from coal back to the California electricity market because we can enable combined-cycle gas turbines to meet the EPS and achieve natural gas emissions levels," said Dr. Richard Roby, CEO of LPP Combustion.

On August 15, 2006, LPP Combustion received its primary U.S. Patent for technology that converts conventional liquid fuels, such as kerosene and fuel oil #2, as well as alternative fuels, such as biodiesel, ethanol, and coal liquids, into a synthetic natural gas, called LPP Gas. This LPP Gas can be burned with low emissions in gas turbines and other combustion devices, producing clean power and providing substantial fuel flexibility to power generators.

LPP Combustion, LLC, a Maryland-based, limited liability company. For more information, please contact:

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