



For Immediate Release

Ultra-Low Turbine Emissions Burning Diesel Fuel, Matching that of Natural Gas

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Knoxville, TN - After more than six months of operation, a Solar Taurus 60 turbine owned and operated by a Massachusetts Pharmaceutical Company, is performing at ultra-low NOx levels burning both natural gas and diesel fuel. The combined cycle turbine is emitting less than 2.0 ppm NOx on diesel, less than 1.5 ppm NOx on natural gas (typically under 0.8 ppm), undetectable levels of carbon monoxide and 90% reduction of hydrocarbons.

These ultra low emissions are attributed to the latest generation of SCONOx, a multi-pollutant, non-ammonia based emission control technology, which had previously set the EPA Lowest Achievable Emission Rate (LAER) standard of 2.0 ppm NOx for turbines burning natural gas. Now with the capability of meeting natural gas emissions levels while burning 15-ppm sulfur diesel fuel, the economic benefits of a dual fuel power generating source is once again a reality. The opportunity for power generators to re-introduce such a proforma is the result of an effort between three companies, which includes a superior mechanical and process design by QEI Engineers of Dayton, Ohio, a robust and efficient mechanical system supplied by WahlcoMetroflex of Lewiston, Maine, and the newest version of the EmeraChem catalytic SCONOx technology, known as EMx™.

“Over the years, and with each SCONOx installation, the technology has advanced in performance and reliability, however, the results coming out of Massachusetts have far surpassed our most ambitious expectations, thanks to the committed work of QEI, Wahlco, and EmeraChem employees,” stated Thomas Girdlestone, CEO of EmeraChem.

The SCONOx technology was first commercially introduced in 1996 on a 25 MW combined cycle gas turbine in Southern California. Since that time, the SCONOx technology has twice set the EPA LAER standard and is now operating on seven commercial power trains of various sizes. In addition to turbines, SCONOx (the original “NOx Trap” technology) is currently being demonstrated on mobile diesel exhaust systems in support of the 2007-2010 EPA diesel vehicle mandate.

EmeraChem LLC, is a privately held manufacturer and developer of catalytic products for the control of criteria air pollutants in the electricity (power) generation market, industrial manufacturing, and transportation industries.

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SOURCE: EmeraChem, LLC www.emerachem.com

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