



Media Release  
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### **Coal-fired Power Plant Begins Operation of Advanced Emissions Control System**

Colorado Springs, CO (August 19, 2009) – Neumann Systems Group, Inc. (NSG) announced today the initial operation of a 20 MW PureStream™ pilot plant for testing advanced emissions control equipment at the Colorado Springs Utilities' Martin Drake Power Plant in downtown Colorado Springs. Continuous run operations and hardware and process optimization is planned through the end of the year. Work has been completed below budget and ahead of schedule. The effort follows earlier work with 0.13 MW (Feb-Mar '08) and 2.0 MW (Aug-Dec '08) capture systems for SO<sub>x</sub>, NO<sub>x</sub> and CO<sub>2</sub> also at the Colorado Springs Utilities' Martin Drake plant. NSG founder and CEO David K. Neumann said "It is extraordinary that new technology works right the first-time and is also robust enough to support long-term operations. NSG has over 1600 hours of full operation without a failure of key components of the system and of the smaller pollutant capture units. This is a great tribute to the Colorado Springs Utilities /NSG team and key (mostly local) subcontractors such as Optimum Filter, JPM, ICM Pueblo, Vision Mechanical, Colorado Laser Technologies and Stanley Consultants."

The PureStream™ family of emissions control systems is 90% smaller, much more efficient and requires a much lower capital investment to implement. The modular design allows the systems to be factory built and delivered to a site for rapid assembly and implementation further reducing system costs. Its capabilities have been termed by industry experts as "disruptive technology" for the industry.

NSG is following a leader/follower product development strategy which involves emissions control systems for currently regulated pollutants such as SO<sub>x</sub> and NO<sub>x</sub> followed by emissions control systems for greenhouse gases. The current U.S market for power plant emissions control systems is \$7B/yr and the projected worldwide market for CO<sub>2</sub> emissions is over \$40B a year for 30-years beginning in 2015. Over 10,000,000,000 (ten billion) tons of CO<sub>2</sub> per year are pumped in the atmosphere world-wide as a result of burning hydrocarbon fuels like coal. These emissions in the U.S. will be controlled under pending legislation.

NSG is a privately-owned, 60-person; advanced technology company focused on product prototyping and pilot plant operations of emissions control and gas-liquid contactor systems. Other potential market areas for NSG products include chemical production, pharmaceuticals, energy production, water purification, and oil refining. Contracts are pending for over \$150mm of emissions control systems construction and operation. R&D and intellectual property development is continuing on a broad range of new applications including ethanol production, fuel cells and hydrolysis cells for hydrogen production. Previous success at competing for and performing 35 government contracts valued at more than \$45mm led to 2-years on the Inc. 500 list of fastest growing companies in the country. Recent intellectual property development and demonstration programs in the area of gas-liquid contactors resulted in opportunities for developing and selling systems for elimination of pollutants (including greenhouse gases) from flue gas generated by fossil fuel burning power plants.

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