

## FOR IMMEDIATE RELEASE

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### **ICM, Inc.'s Selection of EISENMANN's Emission Abatement Technology Strengthens Commercial Deployment of its Biomass Gasifier System**

(Colwich, Kan. –August 23, 2011) –ICM is pleased to announce that it has coupled its feedstock-flexible gasification system with EISENMANN Corporation's dual-field WESP (wet electrostatic precipitation) to further enhance ICM's ability to deliver cleaner waste-to-energy applications. ICM chose this emission abatement technology based on the successful operation of ICM's commercial-scale demonstration gasifier located adjacent to the Harvey County municipal solid waste transfer and recycling facility in Newton, Kan.

ICM's gasifier in Harvey County was configured to demonstrate the system's performance by testing multiple feedstocks including refused-derived fuel (RDF), tire-derived fuel mixed with RDF, wood chips, wheat straw, switchgrass, and corn stover, among others. Combined with an ICM thermal oxidizer and heat sink, the WESP 2-F system provides the flexibility essential to clean the emissions from a multitude of fuel sources.

Combining the gasifier and emission abatement systems illustrates a confluence of state-of-the-art technologies that can meet the most stringent emission control requirements. The WESP-2F meets the critical requirements of both Best Available Control Technology (BACT) and Lowest Achievable Emission Rate (LAER) standards by ensuring a nearly continuous removal of large and small particulate matter, as well as acid gases. Unlike traditional wet electrostatic precipitators, the selected WESP-2F Dual Field technology guarantees the strictest level of emissions control across the broadest range of potential feedstocks. BACT is required on major new or modified sources in clean areas (i.e., attainment areas), and LAER is required on major new or modified sources in non-attainment areas.

Dave Vander Griend, president and CEO of ICM said, "We're thrilled with the recent commercial deployment of our biomass gasifier technology, as it allows us to offer our waste-to-energy system on a global level. Recognizing the strength of collaborative partnerships, ICM is pleased to work with EISENMANN and their WESP technology to enhance our biomass gasifier applications."

#### **About ICM, Inc.:**

Established in 1995 and headquartered in Colwich, Kan., ICM, Inc., provides innovative technologies, solutions, and services to sustain agriculture and advance renewable energy, including food and feed technologies that will increase the supply of world protein. By providing proprietary process technology to 102 facilities with a combined production capacity of approximately 6.7 billion gallons of annual ethanol

production, ICM has become a world leader in biorefining technology. The full-service provider also offers a comprehensive line of more than 100 products and services tailored to make biofuels production more efficient and more profitable. ICM is further upholding its responsibility as an industry leader by heavily investing in the continued advancement of renewable energy technologies. In an effort to speed that advance, ICM has been conducting research and testing at its two state-of-the-art research facilities in Colwich, KS and St. Joseph, MO, in conjunction with a growing list of strategic partners spanning multiple industries. For more information, please visit [icminc.com](http://icminc.com).

**ABOUT EISENMANN Corporation**

EISENMANN is a leading international supplier of environmental, renewable energy and manufacturing systems technology. For over 60 years, they have offered some of the most advanced process and environmental solutions as well as comprehensive service programs that provide industry leading performance and eliminate costly downtime for industrial plants around the world. EISENMANN has US headquarters based outside of Chicago, IL. Find them on the web at [www.eisenmann.us.com](http://www.eisenmann.us.com).

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