



*Mobile Emissions Technology, Policy and Implementation*

**FOR IMMEDIATE RELEASE:**

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**\$2M EPA Emerging Technology Project  
Successfully Completed**

**Bayport, New York - October 13, 2010** Emisstar LLC is pleased to announce completion of a \$2 million EPA grant to reduce diesel emissions from the barges and tugboats that travel the Mississippi River. The project funded the installation of Xtrm Cat™ Diesel Oxidation Catalysts on six towboats with high horsepower marine engines. Emisstar testing demonstrated potential reductions of greater than 40%, which will result in eliminating more than 125 tons of particulate matter as well as reductions in emissions of other air pollutants over the next five years.

Emisstar worked with three other project partners, including project sponsor Mississippi River Corridor-Tennessee (MRCT), fleet provider Ingram Barge and technology provider ESW Group. MRCT was the lead applicant in the EPA Technology Grant, and collaborated with Emisstar; ESW Group, a leader in the development and manufacturing of a diverse line of proprietary catalytic emission control products and technologies; and Ingram Barge Company, a Tennessee-based company with the nation's largest fleet of inland river towboats and barges.

Emisstar Principal Michael Block said, "The maritime industry represents the next frontier in emission and energy savings technology advancements. Emisstar greatly appreciates the opportunity this innovative project partnership presented in leading the technical management and technology performance assessment with such a distinguished group of industry and community partners."

"The result from our year-long testing process with an elite group of national partners is especially rewarding as it will advance the MRCT's mission to improve the quality of life and prosperity for our citizens in West Tennessee and eventually, all of the communities along our great rivers," said MRCT Executive Director Diana Threadgill. "We believe this innovative emerging technology will have a positive and significant impact on air quality throughout numerous river regions, particularly the ten states that border the Mississippi River."

David Sehart, Senior Vice President and Chief Operations Officer of Ingram Barge Company agrees. "We are excited to have had this opportunity to help develop cutting-edge technologies to reduce air

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pollution,” said Sehart. “Recent studies have shown that barge transportation generates fewer air emissions than either rail or long-haul trucking. Deploying technologies like the catalysts involved in this project is one way Ingram has decided to do even more to improve air quality in the areas where we operate.”

David J. Johnson, ESW's President and CEO, said, “We are proud to have worked with this diverse group of partners dedicated to taking on the challenge of implementing emissions reductions in marine vessels ahead of legislated requirements. The Xtrm Cat™ emerging technology is designed to meet the demanding environment of high horsepower marine engines with no impact on vessel performance. This project will serve as a model for long term diesel emissions reductions for the entire marine sector.”

This project will help EPA reach its goal of maximizing public health benefits by achieving significant, long-lasting reductions in diesel emissions on the Mississippi River and improving air quality in the Lower Basin area. The reduction of 125 tons of PM is equivalent to removing approximately 300 diesel highway trucks from local highways.

#### **About Emisstar LLC**

Emisstar is a clean energy technology and emissions consulting services firm. We guide our clients through the transition to more sustainable, low carbon economic activity by accelerating the integration of the built and mobile environments. With offices in key strategic markets throughout the US, Emisstar offers clients nationwide access to an extensive scope of services in the energy and emissions arena.

Our services include developing strategic plans and sustainability initiatives that utilize renewable energy and efficient goods movement; providing state-of-the-art technical services to effectively meet the requirements of complex energy and emissions regulations; assisting Fortune 500 companies access millions of dollars in grant funding; assessing, optimizing and verifying technologies with portable emissions measurement systems and Emisstar's proprietary Test Channel™ network; and strategically guiding leading technology developers in a dynamic marketplace.