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Mcgyan Biodiesel LLC and Biodiesel Analytical Solutions Partner to Offer Turnkey Solutions to Suffering Biodiesel Industry

Anoka, MN—**Mcgyan Biodiesel, LLC** ("Mcgyan") announced Feb. 2 its intention to form a worldwide sales partnership with **Biodiesel Analytical Solutions** ("BAS") to commercialize the cutting-edge Mcgyan® biodiesel process technology that will revolutionize an antiquated process and revitalize the withering industry.

The two companies intend to kick-off their partnership at the **2010 National Biodiesel Conference & Expo** in Grapevine, TX, USA.

Mcgyan and BAS will exhibit at the Gaylord Texan Resort & Convention Center, booth #906 from February 7-10, 2010.

Mr. **Steven Rupp**, president of Mcgyan Biodiesel, LLC, explains, "Mcgyan and BAS will offer the world market a one-stop shop for the cutting-edge Mcgyan® biodiesel process technology.

"Our comprehensive package of value-added services will include site selection, technology licensing, plant design, plant engineering services, remote plant monitoring, supply of catalyst and other core plant equipment, plant management, plant operator training, feedstock prequalification & procurement, and final product marketing.

"By offering a turnkey solution to those passionate about investing in the creation of biodiesel production facilities, Mcgyan and BAS will ensure that the Mcgyan Biodiesel brand becomes synonymous with the highest quality biodiesel fuel product on the market."

Mr. **Mark Fashian**, president of Biodiesel Analytical Solutions, notes, "the BAS sales force is excited to sell this technology.

"We believe this process will single-handedly revitalize the biofuels market worldwide."

Mr. Fashian went on to say that "BAS is the premier quality laboratory sales and service provider in the biodiesel industry.

"It is a perfect fit for our team to also sell a process that consistently produces ASTM D6751 compliant biodiesel to an industry that has been struggling to meet compliance with the traditional process technologies that have been used since the 1930s."

The revolutionary Mcgyan® biodiesel process technology was invented a little over three years ago and is named after its inventors, Dr. **Clayton McNeff**, Dr. **Arlin Gyberg** and Dr. **Bingwen Yan**.

The process was developed by **SarTec Corporation** ("SarTec"), also located in Anoka MN, USA.

Dr. Clayton McNeff, the Vice President of Research at SarTec, explains, "the chemical process of producing biodiesel is achieved by the combination of a triglyceride or free fatty acid with an alcohol to produce biodiesel and some benign byproducts.

"The traditional large-scale production of biodiesel is achieved by a base-catalyzed transesterification reaction that uses methanol, sodium hydroxide and a triglyceride source such as virgin soybean oil.

"There are a number of caveats to the current process including unwanted side reactions with free fatty acids to produce soaps, and numerous water-intensive neutralization and fuel washing steps.

"The Mcgyan process overcomes most of these issues and allows for the ultrafast continuous production of biodiesel without waste and unwanted glycerol byproducts.

"Since the reactor catalyzes both transesterification and esterification reactions simultaneously, oils with high levels of free fatty acids can be converted to biodiesel, which means that very inexpensive feedstocks can be used and the byproduct is water rather than glycerin.

"Furthermore, the process is so clean that in theory it could be used to supply fuel to a diesel engine directly and can be implemented via mobile units at the farm-level.

"We believe this is a major step towards energy independence in the United States."

In 2008 the Mcgyan® biodiesel process technology developed at SarTec was scaled-up to a pilot plant capable of producing 50,000 gallons per year.

In 2009 the process was further expanded to commercial scale production of three million gallons per year at the **Ever Cat Fuels LLC** ("Ever Cat") demonstration facility in Isanti, MN, USA.

Ever Cat currently employs a total of 20 people at its 24/7 operation which opened on September 28, 2009 and is one of the few operating commercial biodiesel production facilities in the United States.

For more information, call 763-432-2743.