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Contact: Doug Mancosky  
[dmancosky@hydrodynamics.com](mailto:dmancosky@hydrodynamics.com)  
706-234-4111  
[www.hydrodynamics.com](http://www.hydrodynamics.com)

Greg Hopkins  
[ghopkins@worldenergy.net](mailto:ghopkins@worldenergy.net)  
706-766-6936  
[www.worldenergy.net](http://www.worldenergy.net)

### **World Energy Upgrades to SPR BD50 by Hydro Dynamics, Inc. in Georgia Plant**

Rome, Georgia- Hydro Dynamics, Inc. ([www.hydrodynamics.com](http://www.hydrodynamics.com)), makers of innovative ShockWave Power Reactor (SPR) technology and longtime biodiesel industry leader World Energy, through its WMG Services, LLC business unit ([www.worldenergy.net](http://www.worldenergy.net)), announced today that World Energy has upgraded to an SPR BD 50 at its Rome, GA facility. The new SPR, in combination with other expansions, will allow the plant to increase its production while still maintaining its heritage of quality.

Harnessing the power of cavitation, the ShockWave Power Biodiesel Reactor drives the transesterification reaction to completion in seconds. In true continuous or batch systems, the SPR gives biodiesel producers greater feedstock flexibility and the power to achieve consistently superior quality. The SPR can improve processes to reduce monoglycerides and reduce catalyst utilization. First commercialized for use in biodiesel applications at World Energy's US Biofuels production facility in Rome, Georgia, in 2005 the ShockWave Power technology is now in widespread use throughout the biodiesel industry. With over 500 million gallons of annual reactor capacity now sold, the ShockWave Power Reactor is setting a new standard for efficient biodiesel production.

The ShockWave Power™ Reactor (SPR) is manufactured by Hydro Dynamics, Inc., a world leader in process intensification reactors. Together with World Energy, Hydrodynamics, Inc. offers reactor systems to the biodiesel industry for every size of plant and the expertise in biodiesel processing necessary to implement ShockWave Power™ Reactor in any new or existing biodiesel production facility.

#### **About World Energy**

Since 1998, Boston, MA based World Energy has been a leading producer, supplier, and distributor of biodiesel in the United States and throughout the world. Widely recognized as a consistent innovator in the industry, World Energy has received domestic and international leadership awards from groups such as Platts and the U.S. Department of Energy among others. Through its WMG Services, LLC business unit World Energy makes its expertise, experience, and innovation available to companies throughout the biofuels supply chain including on site demonstration and training relating to the SPR cavitation reaction technology at its US Biofuels production facility in Rome, GA. Visit [www.worldenergy.net](http://www.worldenergy.net) or call 617-889-7300 for more information.



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## About Hydro Dynamics

Hydro Dynamics is the developer of a patented process intensification technology enabling customers to solve critical mixing and heating problems. Reactors are operating on four continents in applications ranging from increasing biofuel production yields to more efficient mixing of chemical substrates. The ShockWave Power Reactor allows customers to significantly decrease operational and capital costs and increase profits while reducing the environmental impact of many processes. Learn more at [www.hydrodynamics.com](http://www.hydrodynamics.com).

Picture of installed 50 million gallon per year ShockWave Power Biodiesel Reactor

