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**THE MARINE DRAGONFLY WASTEWATER TREATMENT AND REUSE SYSTEM
“NO PUMPING NO DUMPING” ATTRACTS ATTENTION IN THE MARITIME INDUSTRY”**

Water Energy Technologies, Inc. headquartered in Houston, TX, is announcing the latest installation and activation of the most revolutionary and significant marine wastewater management system on the market today: A patented Marine Dragonfly Wastewater Treatment System on Sterling Casino’s - Ambassador II luxury cruise ship. This represents a substantial leap in Sterling Cruise Lines ability to protect the marine and coastal environments and significantly reduce the maintenance costs of operating the ship. The unimaginable option of never having to discharge black water into the ocean has now become a standard procedure for the Ambassador II.



**Sterling Casino Lines
Ambassador II**

The Marine Dragonfly is a wastewater treatment system for installation on any maritime vessel. Created from patented technologies which were developed over a 15-year period of intense research, this highly efficient system is now being used in a wide range of water treatment projects all over the world including treating and reusing water used to clean parachutes and solid rocket boosters for NASA, KSC; treating water at chicken processing plants in El Salvador; providing water treatment systems in Europe; treating water from canals for use in industrial laundries; treating lake and river water in Asia for drinking water plants; providing specialized water treatment systems for hog and cattle farms in the US; and more recently, the development of self-sufficient and fully contained toilet facilities for the Department of Defense and the Meadowhawk product line of portable, no-discharge, 100% recycling traditional toilet units. The success of the Meadowhawk relies on the land-based treatment system called Dragonfly. Dragonfly and Marine Dragonfly utilize biological and chemical treatments, engineering, computers and incredible ingenuity of the Green Solutions Team at Water Energy Technologies, Inc.



**45' Meadowhawk Mobile
Restroom Unit**

The Marine Dragonfly treats wastewater utilizing the most advanced and proven processes to consume and break down the waste into its basic components like nitrogen, oxygen, carbon dioxide and various organic compounds. This portion of the process is very similar to processes used in thousands of municipal sewage treatment plants in the U.S. and around the world. However, in the Dragonfly and Marine Dragonfly, the organic by-products, together with our proprietary blend of bacteria, are reclaimed (reused) to continue the treatment of the incoming waste. The water from the treated waste stream is then processed through the patented ozone-based system to remove residual color, smell and destroy fecal bacteria including e-coli, as well as other organisms, more efficiently than chlorine products, without leaving any toxic residues or producing any toxic VOC's to breathe. The reclaimed water is then reused in flushing toilets and urinals and the cycle starts over again. The Dragonfly and Marine Dragonfly are so effective



**Interior of 45' Meadowhawk
Mobile Restroom Unit**

that no sludge remains and the system does not require pumping or dumping as part of its operation. Some of the Dragonfly systems in use today have not generated excess sludge in over four years.

The first vessel to receive the Marine Dragonfly System was the Indian River Queen (IRQ) docked in Cocoa Beach, Florida. The IRQ is a 260-passenger riverboat providing day cruises, parties, and special events like space launches. The system has been in operation for over a year and the tanks have not been pumped out one time. The second vessel, Sterling Casino Lines - Ambassador II, operating out of Port Canaveral, Florida, is an ocean going gambling ship with a capacity to carry 1,744 passengers, twice per day. This recent installation represents the most aggressive and significant milestone in achieving the goal of no wastewater discharge into the ocean by a cruise ship. The system is designed to treat up to 10,000 gallons of black water wastewater in 24 hours and reuse the treated water to flush toilets and urinals again and again.



Indian River Queen

The benefits of a Marine Dragonfly system on ships are substantial. First, a vessel using the Marine Dragonfly becomes self-sufficient with its holding tanks in No Discharge Zones (NDZ). Other benefits include a big reduction in fresh water use and the avoidance of introducing harsh chemicals into the environment. Systems that rely on chlorine products or other harmful chemicals for disinfecting are possibly more dangerous to aquatic life than the black water waste itself. The reduction of foul odors from the waste is dramatic. The Marine Dragonfly's primary biological treatment is an aerobic process, which is extremely fast and does not produce the noxious gases and foul smells associated with anaerobic treatment processes (septic tanks). Another advantage of the system is a huge savings related to vessel operations in time and money. Our Motto **"NO PUMPING NO DUMPING"** attracts the attention of the marine industry. Finally, Captains will not have to be burdened with dumping the wastewater, nor incur expensive and inconvenient ship movements to hook-up to a pumping station or paying for barges to remove the black water. Some of these costs are significant. The Marine Dragonfly reuses the water hundreds of times before it is evaporated. If salt water is used as the ship's water supply, corrosion is a huge problem. By switching to the Marine Dragonfly system - a fresh water system - the ship can save a great deal of time and money due to the fresh water not damaging the many components such as pumps, valves, pipes, etc. Many areas in the world are no longer allowing wastewater discharges even if they are treated, regardless of certifications or cost of their systems onboard. Fines for dumping illegally are significant, but unfortunately the violations are also numerous.



Marine Dragonfly Clarifying Tanks

Dragonfly Wastewater Treatment Systems have been successfully installed and operated in a number of different applications. Mobile self-contained units range from toilet units with the ability to handle crowds of thousands to single portable luxury toilet units. Others are installed in large motor coaches and emergency response trailers. All of these applications are the most advanced state-of-the-art in each of their respective fields. Current plans are underway to implement the domestic Dragonfly System to transform the much maligned septic tank system into an affordable, efficient and effective water conservation asset for the homeowner.



For more information on our family of Dragonfly and Marine Dragonfly Systems Contact Water Energy Technologies, Inc. at 713-464-2580 or visit our website at www.waterenergy.com