



CASE STUDY

Meadowhawk 45' Trailer Dragonfly Water Treatment System



There are very few things disliked by the general population more than having to use a port-a-potty. It is a matter of fact that many will not use one, no matter what. However, many organizers of public events or people in positions of control, when it comes to providing toilet facilities to the public, will not hesitate to call on the port-a-potty suppliers and ignore its general rejection of most people. It can be seen again and again at golf tournaments, all types of outdoor sporting events, concerts, outdoor parties, or places where significant numbers of people gather for different



events, important people having to deal with this disgusting situation. While there are some products in the market that provide a higher level of comfort than those plastic port a potties, all have the same issue. Unless you are hooked up to a sewer line, you can expect to deal with the waste holding tank's limitation of capacity and the smell of raw sewage until the tanks are pumped. Onboard each Meadowhawk unit is a patented Dragonfly Water Treatment System. The Dragonfly is a sophisticated computer-controlled, state-of-the-art water treatment system. With its roots in the Space Program, an innovative application of the most effective biological treatment approach in the market, the Dragonfly delivers a capability to the Meadowhawk units unheard of in the industry. All Meadowhawk units have the ability to biologically treat and reclaim the water and sanitize it with ozone prior to reusing it again to flush the toilets. This revolutionary and patented process allows the Meadowhawk to stay in place without having to be emptied-out any whatsoever. Not even the infamous "solids" need to be removed. (See write-up titled, "Where Does The Waste Go"). There are no odors and no handling of waste from waste tanks, which have a very large capacity for both short term and long term applications. It is the most environmentally responsible system in the market today because the system is designed to recycle 100 percent of the water.



The 45-foot Meadowhawk unit with its 10 toilets, 7 urinals and 4 sinks is specially designed to handle events where large gatherings of people will require toilet facilities. The 45-foot Meadowhawk is based on an over the



road tractor and trailer that can be transported to most locations. It has its own generators to operate in locations without power. The unit has the ability to recover and use the HVAC water condensate which provides distilled water for use in the sinks. The 45-foot Meadowhawk can stay in place providing service to people for months at a time. Working around the clock it can treat all of its capacity allowing the unit to be used on a continuous basis.

Capabilities: The 45-foot Meadowhawk carries within its frame in excess of 1,500 gallons of water storage and treatment capacity. This capacity is utilized for processing the wastewater used in the system and not to store clean water.

The 45-foot Meadowhawk is capable of supporting the following:
(These numbers will reset the following day)
Approx. 500 to 750 users in a 3 to 4 hour period - Toilets/Urinals
Approx. 1250 users max in an 8 hr period - Toilets/Urinals

