



Ballast Water Management Technology

A CALGON CARBON COMPANY

With their 14th (and counting) collective installation in the fleet, Hyde Marine and Princess Cruises extend their long relationship with this system for the Sun Princess.



Vessel Type: Cruise

Ballast Pump Capacity: 250 m³/hr

System Model: HG250G

THE CHALLENGE

Multi-purpose tanks, which are preferably gravity-fed, are commonplace among cruise vessels. These tanks create concerns when introducing new ballast water discharge standards. Without the ability to allow these tanks to fill and discharge via gravity, a crewmember would have to be tasked with their pumping. This unique vessel required a modification of operations on top of the addition of the new treatment system.

THE SOLUTION

Tank segregation is the new norm when moving to compliance with international ballast water regulations. A revised Ballast Water Management Plan was drafted and reviewed by Hyde Marine and both manufacturer and vessel operator worked together to develop a new operating profile.

THE INSTALLATION

The Hyde GUARDIAN®Control System already allowed gravity operation, so the treatment system was ready to go. By adding an additional actuated valve controlled by the Hyde GUARDIAN Gold system gravity operations can be performed easily by the system, matching previous operations.

Hyde Marine also supplied both a powered suction pump to provide backflush water across the filter and a positive displacement pump to enable stripping operations to be routed through the ballast water treatment system. This stripping pump ensures all discharged ballast is treated to the highest standard.

