

MONSTER INDUSTRIAL™



Monster Solutions

BC Ferry Corp. Experiences Smooth Sailing with the Hydro Monsters

The fleet of the BC Ferry Corporation, a Crown Corporation of the British Columbia provincial government, is gargantuan. In a typical year, it's armada of 40 ships ply the waters of the Gulf of Georgia, ferrying a staggering 9-10 million cars and some 23 million passengers between Vancouver Island, the gulf islands, and the provincial mainland.

This annual payload includes commuters who live on the islands and work in Vancouver, and tourists visiting Victoria, the provincial capital on Vancouver Island.

The largest island of North America, Vancouver Island is separated from the mainland by Queen Charlotte Sound and the Strait of Georgia. British explorers founded the island in the 16th century and it became a crown colony in 1846. Heavily forested and mountainous, the island is noted for its strong fishing, mining, timber, and fruit-growing industries.

A few years ago, the corporation bought four 3-HYDRO-I and had them installed in four of its larger vessels. These waste grinders were sorely needed because the wastewater treatment systems on the ferries were experiencing continual solids backup that required maintenance every four or five hours. As corporation Assistant Vice President for Technical Operations Bob Ogston explains, the processing works consist of an aeration tank for primary treatment. The solids settle out and are periodically pumped out and trucked to landfills. The treated water is pumped to a second tank where the water undergoes ultraviolet radiation treatment before being discharged overboard.

Before the waste grinders were installed, filters in the aeration tanks, which are designed to sift and separate the solids, built up so quickly with debris that the crewmen had to go in by hand and clean them out at least twice a day. "All kinds of strange things come down the toilets," says Ogston, listing such items as cans and smashed bottles, clothing, plastic items and even cutlery.

The waste processing grinders, he adds, "crunch up this material into little pieces," allowing for a smoother wastewater flow and creating excellent savings in maintenance. "Our guys love them," Ogston notes. "Crew morale has never been higher, because now, with the

PROBLEM: Constant maintenance due to debris clogging the pipeline to the digesters.
SOLUTION: 3-HYDRO-I Dual Shafted Waste Grinder
CONSULTANT: Jelcon

waste grinders, the filters have to be cleaned out only every four to five days. This impacts not only maintenance but the health of the crew. Installing the 3-HYDRO-I on our ships was one of the best decisions our company could have made," said Ogston, "enabling us to improve service while lowering costs. We are definitely sold on them."

About JWC Environmental

Founded in 1973, JWC Environmental is a global leader in high-efficiency, dual-shafted waste grinders. We've built and shipped over 35,000 Monster shredders, screens and compaction systems to customers around the world. We offer over 200 different shredder configurations. Our commitment to quality and reliability makes Monster grinders legendary in many industries.

For further information contact JWC Environmental, 290 Paularino Ave., Costa Mesa, CA 92626, USA, Tel: 949-833-3888, Toll-free 800-331-2277, Fax: 949-833-8858, E-mail: jwce@jwce.com.



The 3-HYDRO-I aids the sewage treatment processing operation on board the ferry.

