



Monster Solutions

Fine Screen Prevents Trash from Entering Canadian Wastewater Lagoon

By: Kathleen Connors

The City of Revelstoke, located along the Columbia River in British Columbia, boasts a growing ski resort and one of the world's best heli-skiing destinations. The pristine scenery of the neighboring Selkirk and Monashee mountains belies Revelstoke's growing population. In 2007, Revelstoke had over 7,000 residents, and hosted thousands of winter sport enthusiasts at Revelstoke Mountain Resort.

Since the Resort opened in 2005, sewage flows through the treatment plant increased dramatically. A Channel Monster® sewage grinder had operated at the treatment plant since 1998. It was in one of three channels, meaning at peak flows there was only a 33% chance solids would be ground to pieces before entering the lagoon. This new influx of solids left operators struggling to skim floating debris off the lagoon. By 2006, it was obvious a screening system was needed.

Happy with the service and performance of their Channel Monster, the City sought a solution from JWC Environmental and their distributor, Jelcon Equipment.

Jelcon provided information about a Monster Separation System®, which combines a high-flow Finescreen Monster with a Screenings Washer Monster®. The intermittently-running fine screen captures rags, trash, and plastics and transports debris up the screen and into a dual-shafted grinder – the first step of JWCE's patented Screenings Washer Monster system. Ground solids are transported by an auger, washed and forced up a tube to produce dry, easily-bagged solids ready for the landfill. The Monster Separation System was installed in 2008, during a major headworks upgrade in late 2008.

Revelstoke Operators Steve McKnight and Reinie Bittner are pleased with the changes the Monster Separation System brought to their day-to-day operations.

When asked about the biggest improvements, McKnight commented, "It's much safer. We used to be hanging around the lagoon with a pool skimmer and bagging by hand."

The operators were also pleased with the system's low maintenance requirements. This includes periodic visual inspections of the brushes

PROBLEM: Influx of rags, trash, and plastics

APPLICATION: Wastewater Treatment Lagoon

SOLUTION: Monster Separation System®

and taking the bagged screenings to landfill.

The bagging system uses a long continuous bag which only needs to be replaced "once a year, around Christmas time," said Bittner. Both operators were happy with the level of service JWCE and their distributor, Jelcon Equipment, have provided.

Bittner remarked service "has been good," and McKnight added, "It's what we'd like from all our reps."

About JWC Environmental

JWC Environmental's family of wastewater, stormwater and sewage treatment products are legendary for quality and reliability – including the Muffin Monster and Channel Monster sewage grinders, and the Auger Monster®, Screenings Washer Monster and Monster Separation Systems, which incorporate a fine screen or band screen with superior sewage screening conditioning.



After many years of service, the Channel Monster was replaced by a Monster Separation System.

