



Better Water. Better World.

Case Study

High Strength Wastewater can be treated...FAST

Installer: Spiers Construction, LLC.

Distributor: Alternative Wastewater Systems, LLC

Problem

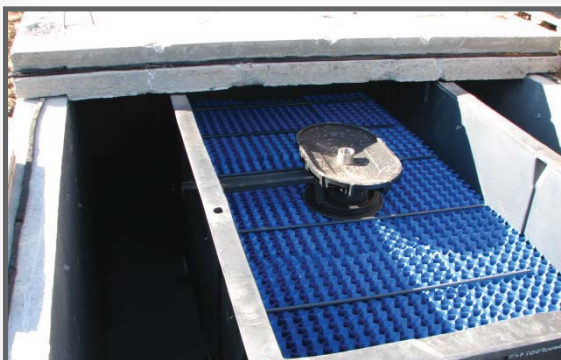
The Wholesale Meat (Owyhee) Packing Plant in Homedale, Idaho was established in 1989. After 20 years in business they were faced with an unfortunate situation, a failed septic system.

The plant is located within a quarter mile of the Snake River – which borders between Idaho and Oregon. Since the 1960's, the Dept. of Health has monitored the water quality of the waterway tributaries and the Snake River itself.

The wastewater produced from the meat packing plant is 7x the normal levels of BOD and Nitrogen for domestic wastewater. The plant produces approximately 2,000 gallons a day of this concentrate.

Solution

The system consists of a 2,200 gallon holding tank to catch the organic material and filter through a sand and grease trap off of the kill floor. The sewage bypasses this tank and goes through three 1,500 gallon precast concrete septic tanks for settling. The treatment phase



The HighStrengthFAST® 9.0 system installed in a 10,000 gallon pour in place concrete tank.



consists of a poured in place 10,000 gallon treatment tank and the HighStrengthFAST® 9.0, manufactured by Bio-Microbics, sits inside.

Two combined 1,500 dose chambers with a set of duplex pumps complete the system before the pressurized treated water is sent out to the acre-sized drain field.

Result

Everyone has been very pleased with the results; everything across the board is reduced over 90%.

The health department was skeptical, at first, that the HighStrengthFAST® 9.0 could handle the high concentration wastewater produced at this slaughterhouse. The poor water conditions and the close proximity to a main waterway was a major concern, so several required tests throughout the year verifies that there is no need to add additional treatment.



About Bio-Microbics

Bio-Microbics manufactures proven wastewater and storm water treatment systems for decentralized homes, communities, and commercial properties located around the globe. As a world leader in onsite systems, Bio-Microbics advanced wastewater treatment systems are engineered to treat water to higher standards.

For more information about this system or other treatment solutions, visit www.biomicrobics.com or call 1-800-753-FAST (3278). Better Water, Better World... Bio-Microbics.

Better Water. Better World.

