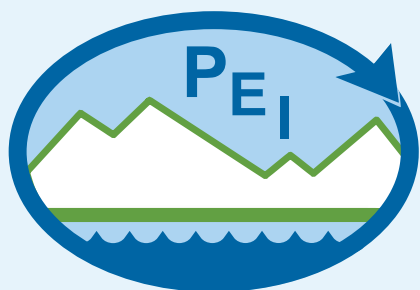




CASE STUDY



Presby Environmental

PROJECT NAME

Blodgett Landing
Community Wastewater Treatment Plant

SYSTEM SPECIFICATIONS

50,000-gallon per day
Enviro-Septic Treatment System
with 4,100 lf of pipe

PRODUCTS USED

Presby Environmental Enviro-Septic
Combined Treatment and Dispersal System

INSTALLATION DATE

2011



INFILTRATOR
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Presby Enviro-Septic® System Enables Expansion of New Hampshire Town Community Treatment Plant to Accommodate Growth and Preserve Natural Beauty

SUMMARY

The Blodgett Landing Community Wastewater Treatment Plant is a 50,000 gallon per day (GPD) facility in Newbury, NH that uses passive treatment, denitrification, and dispersal to purify the town's wastewater. As the town population grew, facility operators began detecting elevated levels of nitrogen in the effluent and groundwater and began pursuing an upgrade solution. The facility's limited budget required that any treatment plant upgrade solution be effective and affordable both in upfront cost and ongoing operations and maintenance expense. Additionally, Newbury's economic dependence on recreational tourism required a solution that would preserve the area's natural beauty.

SOLUTION

Several options were explored before town officials contacted Presby Environmental for help. Presby recommended replacing the existing sand filter configuration with a Presby Enviro-Septic® system. The system's compact size and low maintenance requirements made it ideal for the Newbury system and the approach complements the existing Imhoff tank and recirculation.

SYSTEM DETAILS

The Blodgett Landing Community Wastewater Treatment Plant explored a number of options, including lining the original sand filters so that effluent could be recirculated into an Imhoff tank. However, this approach didn't deliver consistent treatment results – especially during the winter months. Uncontrolled freezing and insufficient denitrification were fairly common whenever temperatures fell below a certain threshold.

City officials reached out to Presby Environmental for help. After careful analysis of the situation, Presby recommended replacing the current sand filter configuration with an Enviro-Septic® system. This approach would also complement the existing Imhoff tank and recirculation.

RESULT

The Enviro-Septic pipe uses passive filtration and bacterial ecosystems, eliminating the use of harmful chemicals or an external power source. The water treatment process is 100 percent green enabling Newbury to protect its natural resources. The system also performs well in varying climates including freezing temperatures in colder months. The Enviro-Septic® product is also a proven technology for removing up to 99 percent of contaminants, including Fecal Coliform, TKN, TN, TSS, and BOD.