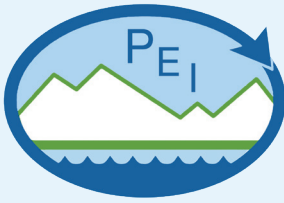




CASE STUDY



Presby Environmental, Inc.

PROJECT NAME

Love's Travel Plaza
Demotte, IN

SYSTEM SPECIFICATIONS

Replacement system for drip
dispersal system

PRODUCTS USED

8,600 linear feet of Presby Advanced
Enviro-Septic combined treatment and
dispersal system

INSTALLATION DATE

2021

ENGINEER

Presby Environmental



INFILTRATOR
water technologies

4 Business Park Road, Old Saybrook, CT 06475
(800) 221-4436 • info@infiltratorwater.com

Indiana Truck Stop Sustains Operations by Replacing Its Failing Drainfield with an Advanced Enviro-Septic Combined Treatment and Dispersal System

OVERVIEW

Love's Travel Plaza in Demotte, Indiana is a community truck stop that was under pressure from the state to shut down operations after a drainfield failure. This truck stop produces both residential strength waste from restroom facilities and higher strength waste from the restaurant operations.

CHALLENGES

The original drainfield design included a grease trap, a septic tank, aerated treatment tanks, and a drip dispersal drainfield in sequential order. One of the primary reasons for the drainfield failure was that grease coming from the truck stop restaurants was not cooled before entering the septic system. Hot grease can pass through septic tanks without maintaining the necessary residence time. Once the grease built up in the drainfield, the drip emitters began to plug, resulting in a failed system.

SYSTEM DESIGN

Because of a need to quickly find a sustainable and cost-effective replacement drainfield system for Love's Travel Plaza, the drip dispersal system was replaced with an Advanced Enviro-Septic (AES) combined treatment and dispersal system. The AES system is an NSF/ANSI 40 sand-lined system. Wastewater enters the 8,600 linear feet of AES conduits and is treated to a high standard before entering the native soil. Community sewer lines are scheduled to be installed only a short distance away from the travel plaza in 2021.

RESULT

Although AES systems are a long-lasting and sustainable option for wastewater treatment, the effluent from the treatment tanks will be directed into the sewer lines once construction of those lines is complete.