

PROJECT PROFILE

A Sustainable Wastewater Treatment Solution for Commercial Properties

SAVING GRACE PET ADOPTION CENTER, OREGON

PROBLEM A nonprofit pet adoption center needed an affordable, effective wastewater treatment system for its new, larger facility. For even more cost savings, a low-maintenance system would be the best option.

SOLUTION As part of a planned expansion, a nearby resort was decommissioning some Orenco AdvanTex® AX100 units. Orenco Systems staff arranged for one of these units to be donated by the resort to the nonprofit organization. Orenco also pitched in by supplying all new components at a steep discount.

The Gift of AdvanTex

In November 2011, Saving Grace Pet Adoption Center in Roseburg, Oregon, moved into a new, larger space that could handle its growing number of adoptable pets. The 13,000 ft² (1208 m²) building includes a client intake area, cat and kitten rooms, dog halls with indoor/outdoor kennels, and a room filled with critter cages. It also has an in-house veterinary clinic, meet-and-greet rooms, and administrative offices for its 27 staff members and 531 volunteers.

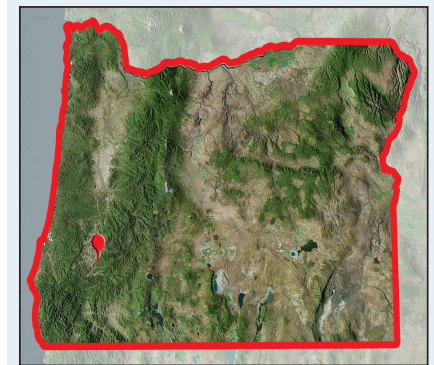


This AdvanTex AX100 Wastewater Treatment System has been ideal for the nonprofit facility because it fits in a small footprint, is easy to maintain, and has low electrical and life-cycle costs

Commercial Market

PROJECT OVERVIEW

ROSEBURG, OREGON



Design Parameters

- 590 gpd (2233 L/day) average flow
- 1180 gpd (4467 L/day) capacity

Start-Up Date

- November 2011

Primary Treatment

- Three 1500-gallon (5678-L) tanks

Secondary Treatment

- One AdvanTex AX100 unit

Dispersal

- Orenco shallow pressurized dispersal system (SPDS)

Engineering

- i.e. Engineering

Installation

- Dave Rising
- Beckley Excavation
- TerraFirma

Equipment Suppliers

- Orenco Systems
- Willamette Graystone

Operation and Maintenance

- Orenco Systems

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Around that same time, the nearby Seven Feathers Casino Resort was also expanding and needed to upgrade its wastewater treatment system. As a result, 12 AdvanTex AX100 treatment units manufactured by Orenco Systems were removed and decommissioned.

When Orenco’s management team learned that Saving Grace needed a wastewater treatment system, they arranged for the Seven Feathers organization to donate one of its AX100 units, which Orenco refurbished. Orenco also supplied all new components at a significant discount, saving the nonprofit thousands of dollars.

In addition, the project’s contractor, Dave Rising (now retired), donated a portion of his company’s time to do the installation work. As a licensed septic installer and Orenco-certified AdvanTex installer, he coordinated the system installation, tank delivery, electrical work, and inspections.

Other local companies that pitched in included i.e. Engineering, which provided the system design, processed the permit, and worked with the Douglas County On-Site Wastewater Department to determine the drainfield’s size and treatment; Beckley Excavation and TerraFirma for excavation and installation of the pressurized drainfield; Willamette Graystone for the septic tanks, recirculation tanks, and dosing tank; and Vision Electric for electrical work.

The AdvanTex AX100 unit has been a perfect fit for Saving Grace. It offers reliable treatment for high-strength commercial flow, fits in a small footprint, and comes premanufactured and ready to go. It’s also easy to maintain, has low power use and low life-cycle costs, and produces effluent that’s clear and ideal for reuse (according to local regulations), should Saving Grace ever need that option.

The partially buried AX100 sits southeast of the shelter’s main building in a fenced, grassy field outlined by a landscaped gravel path for walking adoptable dogs. Inconspicuous, green fiberglass tanks and access lids blend into the landscape. And during a recent on-site visit, little to no odor wafted through the air, even with the unit’s lids propped wide open.

When the system was first installed, certified maintenance crews followed a strict monthly maintenance schedule to ensure everything worked properly. Now, after twelve years of successful operation, annual checks are all the AX100 needs. “Orenco has been great, and they are always very helpful when questions arise,” says Cyn Demers, development assistant at Saving Grace.



The lids on the AX100 were recently upgraded with Orenco’s current state-of-the-art lids, which have a foam core encased in fiber-reinforced polymer.

For information about Prelos® Sewer, AdvanTex® Wastewater Treatment, or Orenco Controls™, contact Orenco Systems, Inc.



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All product and performance assertions are based on proper design, installation, operation, and maintenance according to Orenco’s current published documentation.