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## FROM OIL TO ONSITE

A slump in the Oklahoma petroleum industry led Michael and Dawn Rohrs to make a change. They launched Cyclone Septics and found consistent prosperity **p. 12**

**BASIC TRAINING:**  
Keep your trenches shallow **p. 48**

**SNAPSHOT:**  
Installer: Illinois  
rules need  
updating **p. 44**



**SYSTEM PROFILE**  
High and dry in  
Arizona **p. 20**

2022 Onsite Installer  
**BUYER'S GUIDE**

**p. 26**

# Aerobic Units Help Company Meet Demand for Advanced Treatment Systems

An Oklahoma septic company relies exclusively on the NuWater extended aeration activated sludge units, which are easy to install and simple to troubleshoot

✍ By Ted J. Rulseh

🕒 May 12, 2022



*Dawn Rohrs, who owns Cyclone Septics with her husband Michael, says the NuWater extended aeration activated sludge units are easy to install, simple to troubleshoot, and well suited for the many spray distribution systems the company installs.*

Cyclone Septics installs about 150 onsite treatment systems per year in central Oklahoma. About 90% of them use aerobic treatment units.

The company, based in Guthrie, about 20 miles north of Oklahoma City, relies exclusively on NuWater extended aeration activated sludge units from Enviro-Flo. In fact, the company manufactures the concrete tanks for the systems.

Dawn Rohrs, who owns Cyclone Septics with her husband Michael, says the systems are easy to install, simple to troubleshoot, and well suited for the many spray distribution systems the company installs.

Demand for advanced treatment systems has expanded in recent years as the population in and

around Oklahoma City has increased with affordable home prices and a growing medical marijuana industry.



The extended aeration process in NuWater systems is a modification of the activated sludge process in which microorganisms remain in the treatment process for long periods. The large inventory of biological solids provides a buffer against shock loading of organic matter.

The long aeration period enables the organisms to consume themselves, reducing the total amount of solids generated by the treatment process. Aerobic bacteria are primarily responsible for degrading the organic matter; therefore the transfer of oxygen into the wastewater is critical.

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