



Water Management

3 BR's
Sept 12

ONSITE WASTEWATER (SEPTIC) SYSTEM PROFILE

8528 Waxhaw Creek Road
Waxhaw, NC 28173

System type: Residential surface drip irrigation.

Permitted by: NC Division of Water Resources

Design flow: 480 gallons/day

The system consists of 2 stages, treatment and dispersal:

- Treatment: Raw sewage flows from the house into a conventional septic tank, and then into a treatment system (AdvanTex brand by Orenco Systems, Inc.). After treatment, the water is then given a final disinfection by ultraviolet light, and passed along to the dispersal system.
- Dispersal: This stage begins with a large underground tank to hold the treated water. The water is automatically pumped to a network of drip irrigation pipes on the ground surface, where it seeps into the ground. During rain events, a sensor directs the control panel not to pump the water until after the rain has ended. For this reason, the holding tank is large enough to hold several days of water use, so that the system can go days without discharging to the ground surface.

The system requires a certified operator to "operate" and maintain. 2 visits are required each year by the certified operator. These 2 visits comply with the state permitting requirements, and also the manufacturers' requirements. This system has been under operation contract since its construction in 2009.

Sid Cookin - call re: cost to do 4th BR

P.O. Box 2190 Lenoir, NC 28645
(828) 759-2721