

# Hinkle Point Pizza Hut Natural Wastewater Treatment

Shell Knob, Missouri



*An on-site natural wastewater treatment system meets all State standards for water quality.*

**H**inkle Point Pizza Hut needed improvement to its existing on-site wastewater treatment system because it was not meeting the Department of Natural Resources permit specifications for the biochemical oxygen demand rate. The modifications that were made incorporated the following treatment elements:

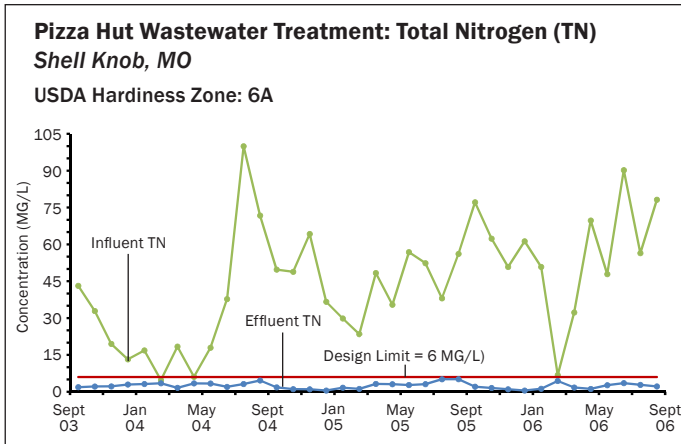
- Intermittent sand filter
- Disinfection system and associated pumps
- Phosphorous removal system

The system has been in operation since 2004, processing 2,000 gallons per day, with water quality meeting the required State standards.

**SERVICES**

- Green Infrastructure Design
- Construction Management

- Primary treatment tanks (existing tanks with minor modifications)
- Constructed wetlands with optional recirculation



from top: Newly planted constructed wetlands; Comparison of influent nitrogen levels to effluent nitrogen levels.

conservation planning  
ecological restoration  
**regenerative design**



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