Before



After



Case Study: Foxwood Hills

CSWR-South Carolina completed a comprehensive rehabilitation of the Foxwood Hills wastewater treatment facility to address **longstanding structural, mechanical, and operational challenges** and restore reliable service to the community.

The project included major capital improvements such as **structural tank repairs, protective recoating, and corrosion mitigation** to extend the life of critical infrastructure. The flow equalization tank was restored to active service, improving the system's ability to manage fluctuations in wastewater flow. Clarifier rehabilitation enhanced solids separation, while a **full overhaul of the aeration system—including new blowers, piping, and diffusers**—significantly improved treatment efficiency and biological performance.

In addition to capital upgrades, CSWR-South Carolina completed essential deferred maintenance and operational enhancements across the site. **Accumulated sludge, debris, and nuisance vegetation were removed** to restore treatment capacity and improve site conditions. Rock access improvements were installed to ensure safe, all-weather access for operators, and **power and control systems were fully rehabilitated** to improve reliability and oversight. Remote monitoring and flow metering were also added, enabling real-time visibility into system performance and more proactive operational management.

As a result of these improvements, the Foxwood Hills facility now consistently meets all permitted discharge limits and operates with improved stability, efficiency, and reliability. The system has been restored to compliant operation and is **now positioned for sustainable long-term performance and environmental protection.**