

Before



After



Case Study: Woodland Acres

At the time of acquisition, the Woodland Acres wastewater facility was operating with treatment equipment well past the end of their useful life. The aging infrastructure could no longer provide effective treatment, and the facility was unable to consistently meet its permitted effluent limits.

To restore performance and bring the facility back into compliance, Bluegrass Water implemented a series of significant upgrades. New blowers and Integrated Fixed-Film Activated Sludge (IFAS) caged aeration units were installed to enhance biological applications, and a new chlorine contact chamber was added to ensure effective disinfection. A new digester improved solids management, while additional wet weather tankage provided critical capacity during periods of high flow. The existing digester was also converted into a flow equalization basin to further stabilize treatment performance.

With these comprehensive improvements, the Woodland Acres facility is now operating reliably and within permit standards. The upgraded system provides consistent performance, improved environmental protection, and a strong foundation for long-term compliance and service to the community.