



Case Study: Pecan Lakes

At the time of acquisition, the Pecan Lakes wastewater system relied on a deteriorating, repurposed tank in place of a proper disinfection contact chamber. This inadequate setup failed to provide effective treatment, resulting in heavy eutrophication where flow entered Reese Creek near the discharge point. The impact on downstream water quality created a serious environmental hazard and highlighted the urgent need for rehabilitation.

Serving approximately 350 homes, the facility was completely overhauled to restore compliance and protect local waterways. The outdated tank was replaced with an appropriate disinfection system, ensuring effluent received proper treatment before discharging into the nearby area.

With these improvements, the Pecan Lakes system was transformed from a source of environmental concern into a stable and reliable facility. The upgraded disinfection process now safeguards both the community and Reese Creek, providing long-term protection for water quality downstream.

Before



After

