

Before



After



Remote Monitoring



Flow Meter



Case Study: Little Red River Estates

When the Little Red River Estates Wastewater Facility was acquired, several critical gaps in its operational capabilities were identified, primarily around monitoring and site security. The absence of remote monitoring at the site posed significant challenges for operators, as it prevented them from detecting issues in real-time, leading to potential failures going unnoticed. Additionally, the facility lacked an essential flow meter to monitor average and peak flows, a key component in understanding and managing the system capacity and performance. Compounding these issues, the perimeter fence was in poor condition and required repairs to secure the site from unauthorized access and ensure safety.

Recognizing these deficiencies, a comprehensive plan was executed to bring the facility up to standard. To address the lack of monitoring and improve operational oversight, a remote monitoring system was installed. This technology allows operators to monitor the facility's status in real-time, enabling them to respond swiftly to any signs of malfunction or potential compliance issues, thereby significantly enhancing the facility's reliability.

A flow meter was also installed to provide accurate measurements of both average and peak flows. This installation is crucial for optimizing system performance and preventing overloading, helping to ensure that the facility remains within regulatory compliance limits.

In addition to these technological upgrades, a new perimeter fence was installed. This enhancement secures the site against unauthorized access, reducing liability risks and contributing to the safety and well-being of the surrounding community.

Through these targeted improvements, the Little Red River Estates Wastewater Facility now operates with greater efficiency, safety, and regulatory compliance. The installation of remote monitoring and a flow meter, along with enhanced site security, reflects a strong commitment to ensuring reliable and responsible wastewater management for the Little Red River Estates community.