



## Case Study: Shangrila

Before



At the time of acquisition, the Shangrila wastewater treatment facility was in a **severely distressed condition** and well beyond its useful life. The existing grain bin-style plant was leaking, with multiple tanks showing signs of imminent failure, creating significant reliability and operational concerns.

The condition of the facility contributed to ongoing treatment challenges and inconsistent performance, signaling the need for a **long-term, sustainable solution**.

To address these issues, Magnolia Water replaced the aging structure with a **new concrete wastewater treatment plant**. This upgrade provides a more **durable, long-lasting solution** while reducing ongoing maintenance needs and improving overall **system reliability**. In addition, key lift station components were overhauled to strengthen performance and reduce the risks of collection system backups.

After



Following these improvements, treatment performance improved substantially. **Solids levels were reduced by more than 85%**, bringing the system back into compliance and restoring **dependable operation**.

Today, the Shangrila system operates as a **stable and efficient facility**, reflecting Magnolia Water's commitment to investing in **resilient infrastructure** and delivering **reliable wastewater service** to the communities it serves.