

Before



Case Study: Riverscape Wastewater System

At acquisition, the Riverscape facultative lagoon bore no resemblance to a wastewater functioning treatment facility. Overgrown with vegetation and filled with untreated sewage, the site lacked even the most basic equipment required for wastewater processing—posing a serious threat to public health and the environment.

To bring the facility into compliance with stringent effluent limits, Magnolia Water initiated a complete transformation. The site was first cleared of excessive vegetation, allowing for safe access and operational visibility. A moving bed biofilm reactor (MBBR) was installed to provide advanced biological treatment, supported by a new aeration system to ensure sufficient oxygen transfer. A tertiary strainer was added to further polish the effluent and meet regulatory standards for discharge.

In a short period, Magnolia turned the Riverscape facultative lagoon from a stagnant, untreated pond into a functional treatment facility capable of delivering safe, compliant wastewater service—demonstrating the power of targeted investment and environmental responsibility.

After

