



CASE STUDY

Owens Cross Roads

Wastewater Treatment Facility

Owens Cross Roads, Alabama



Built for Growth. Designed for Operators.

Overview

When the growing community of Owens Cross Roads needed to expand its wastewater treatment capacity, the project required more than just new equipment. The city needed a partner that could provide responsive communication, collaborative problem solving, operator-focused design, and long-term reliability. That partner became ClearStream.

Working alongside RGS Civil Design, Mark Johnson Construction, operators, and city stakeholders, ClearStream helped deliver a highly automated sequencing batch reactor (SBR) treatment facility designed not only for performance, but for the people responsible for operating and maintaining it every day.



1. The Challenge

An aging 0.25 MGD plant, tight site constraints, and the need for better treatment performance made a new solution essential.

- Aging infrastructure
- Heavy maintenance
- Limited footprint
- Future growth and compliance
- Operator efficiency



2. The Solution

ClearStream designed a four-train SBR system with advanced automation and nutrient removal capabilities.

- Compact SBR design
- Advanced automation
- Nutrient removal
- Operator-focused layout
- Future expandability



3. The Result

The new plant delivers reliable performance and simplifies operations, allowing one operator to manage two plants with confidence.

- Up to 1.0 MGD treatment
- Minimal operator attention
- Clean, high-quality effluent
- Reduced maintenance
- Built for long-term reliability



4. The Customer Experience

For Owens Cross Roads, ClearStream delivered more than wastewater treatment equipment. They delivered a project team committed to communication, adaptability, and solving problems together.

“They were eager to find a solution.” - Forrest Pearson, Project Manager & Estimator, Mark Johnson Construction

*“The plant mostly runs itself, and it always puts out good water.”
— Bauer Curtis, Treatment Plant Operator*

