AUC GROUP
A Seven Seas Water company

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Case Study

Freeport Adds Capacity Without Disrupting Service



About AUC Group

Founded in 1970 and based in Houston, AUC Group, a Seven Seas Water company, delivers flexible water and wastewater solutions across timelines, financing, equipment, and site constraints. With 2,000+ projects and plants from 5,000 GPD to 2,500,000+ GPD, we provide turnkey manufacturing and installation of field-erected steel and modular plants that scale from temporary/interim to permanent service. Our commercial models include lease, lease-to-purchase, wholesale, and direct sale solutions, giving customers the flexibility to defer capex, align spend with demand, purchase outright, or accelerate time to service, depending on what fits their project.

Project Snapshot

- Customer: City of Freeport, Texas
- Location: Freeport, Texas
- Need: Expanded wastewater capacity with no service disruption
- Capacity: 1.6 MGD
- Commercial Model: Direct sale
- Technology: Steel concentric unit, conventional activated sludge, 80’ pier-supported clarifier

Challenges

The City of Freeport needed to expand wastewater treatment capacity while keeping the existing plant fully operational throughout construction. The project required a delivery approach that eliminated service disruption, met heightened regulatory compliance standards, and managed the added complexity of a large-diameter clarifier installation.

Solution Overview

AUC Group designed a parallel build constructing a new 1.6 MGD steel concentric wastewater treatment plant adjacent to the existing facility using conventional activated sludge. The plant features a 17-foot tall, 130-foot outer wall with two aeration chambers, two chlorine contact chambers, and an 80-foot clarifier.

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One Roof, One Point of Accountability

AUC maintained a parallel-plant strategy throughout construction, keeping the legacy system fully operational while the new facility was built alongside it. A single AUC team managed design, procurement, fabrication, and field construction, giving the city one point of contact from first shovel to commissioning.

Turnkey Delivery

AUC delivered the Freeport plant as a direct sale, engineering, procuring, fabricating, and constructing the facility. Keeping design, fabrication, and field construction under one roof meant any were resolved directly by AUC's own teams rather than routed through multiple contractors.

Results

The City of Freeport received a new 1.6 MGD steel concentric wastewater treatment plant, delivered about six months from mobilization to commissioning, built for full capacity and controlled commissioning. The project also demonstrated the expanded clarifier design capabilities AUC gained through its acquisition of key assets of WAWCON, Inc., and market AUC's largest clarifier installation to date.

