



WASTEWATER TREATMENT

PURPOSE-BUILT SYSTEMS FOR FOOD, BEVERAGE, DAIRY, & PROTEIN INDUSTRIES

Wastewater includes the entire spectrum of process generated waste materials; not just what leaves the drain — across food, beverage, dairy, and protein production. These waste streams carry high-strength organic loads, variable flows, sanitation residues, fats/oils/grease, nutrients, and byproducts unique to industrial food operations. Stellar designs systems specifically engineered for these complex challenges — not generic municipal sewage models. Our dedicated wastewater specialists deliver front-end evaluation, engineering, design-build execution, installation, start-up, and commissioning, providing end-to-end solutions that strengthen operational reliability, compliance, and long-term sustainability.

TURNKEY WASTEWATER SERVICES



REGULATORY
REQUIREMENTS,
PLANNING AND
PERMITTING



CUSTOM WASTE
TREATMENT APPROACH



DESIGN



EQUIPMENT SPECS,
PROCUREMENT AND
INSTALLATION



CONSTRUCTION



AUTOMATION/CONTROLS



MECHANICAL SERVICES



STARTUP &
COMMISSIONING



TRAINING



REMOTE MONITORING



OPERATIONS

WHAT SETS STELLAR APART

With decades of experience, our team understands the chemistry, flow patterns, and regulatory implications of:

- Meat & Poultry Processing
- Frozen Foods & CPG
- Cold Storage & Distribution Centers
- Dairy & Cheese Plants
- Beverage & Liquid Processing

We build systems designed for real-world production, not theoretical lab conditions.



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EARLY PARTNERSHIP FOR BETTER OUTCOMES

One Partner from concept to completion:

- Process Mapping & Sanitation Cycles
- High-Strength Waste Sources
- Water Usage, Flow Rates, Peak Loads
- Sustainability & Water-Reuse Opportunities
- Long-Term Permitting & Expansion Planning
- Feasibility Studies & FEL
- Process, Civil, Structural, Mechanical, Electrical Design
- Equipment Procurement
- Construction & Integration
- Operator Training
- Start-up & Commissioning
- Construction & Integration
- SCADA & Controls



*ENERGY GENERATION &
RESOURCE RECOVERY*

From converting waste byproducts to methane for powering boilers and generators to recovering treated water for use in non-contact chillers, our team has proven expertise in maximizing sustainability for our clients.

CUSTOMIZED WASTEWATER TREATMENT TECHNOLOGIES

We tailor each system to your waste characteristics, compliance requirements, space constraints, and operational goals:

- Dissolved Air Flotation (DAF)
- Membrane Bioreactors (MBR)
- Anaerobic Digestion for biogas/energy recovery
- Odor & Corrosion Control
- Additional Treatment Technologies Depending on Waste Chemistry/Effluent Limits
- pH Neutralization & Equalization



YOUR PARTNER IN SUSTAINABLE COMPLIANT OPERATIONS

Stellar doesn't just build wastewater systems, we deliver smarter, more resilient solutions that protect your permit, reduce costs, support sustainability, and evolve with your production needs.

Let's design a wastewater strategy built for your facility and your future, together.



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To learn how Stellar can start saving you money on wastewater treatment and disposal, contact Todd Allsup, Executive Vice President, at **904-612-0131** or tallsup@stellar.net.

