



Tipton Series

DECENTRALIZED WASTEWATER TREATMENT PLANTS

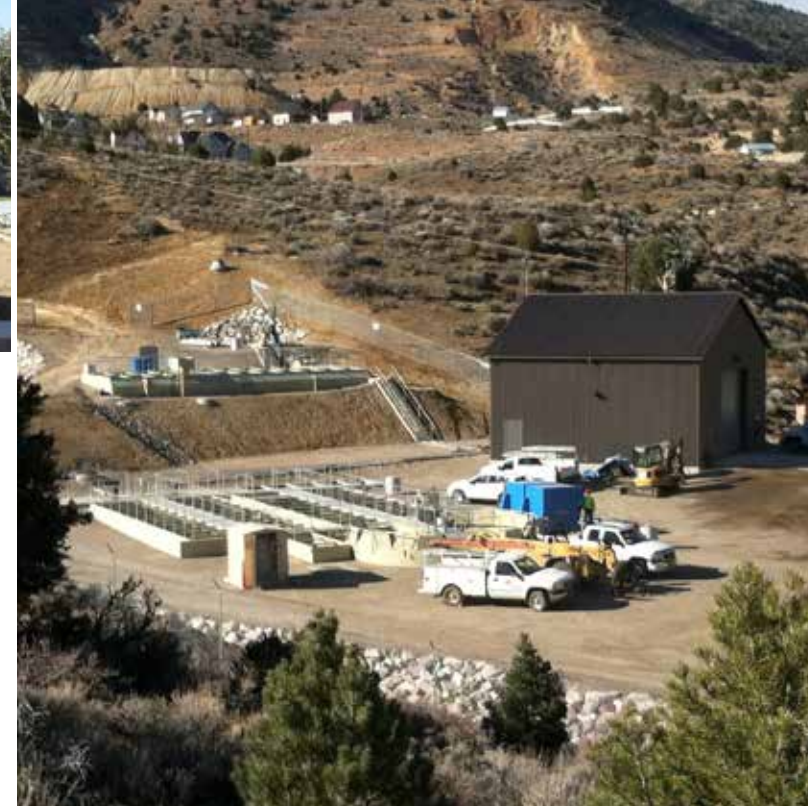


Tipton packaged wastewater treatments plants are customizable, simple to operate, and cost effective

Packaged & Field-Erected Wastewater Treatment Plants

Fluence's Tipton Series prefabricated, packaged wastewater treatment plants provide reliable, complete solutions for on site treatment for municipal and private clients. With thousands of installations across the globe, Fluence has the expertise to build treatment plants to address a wide range of wastewater challenges. Tipton Series extended aeration packaged plants provide robust and cost-effective primary, secondary, tertiary treatment, and nutrient removal solutions.

In a compact, portable, self-contained, and odor-free package, Tipton plants are easily configurable to fit a variety of design and delivery requirements. Tipton Series plants are flexible, simple to operate in the field, and are designed to minimize installation and startup costs. Smaller systems come completely assembled, plumbed, and wired for immediate installation and startup. They can be installed wherever there is a need for decentralized wastewater treatment.



The Tipton Series Packaged Plant Advantage

Every wastewater treatment plant is designed to meet or exceed the effluent discharge limits for its specific location.

Tipton Series Packaged Plants are fabricated from high-strength, reinforced carbon steel to allow plants to be fully buried or installed at grade level,

without requiring additional structural support. The interior and exterior surfaces of the plants are factory-coated with superior epoxy paint. Each plant is equipped with sacrificial anodes to protect against galvanic action and corrosion. Fluence customers enjoy a long service life from their properly installed and maintained treatment plants.

Features and Benefits Include

- High degree of treatment (85-90% of BOD/TSS removal)
- Secondary treatment with high effluent quality
- Tertiary filtration option for polished effluent
- Nutrient removal option available
- Pre-fabricated packaged plants with a flow range from 200 GPD to 350,000 GPD (0.77 m³/day to 1,334 m³/day)
- Field-erected packaged plants with a flow range from 50,000 GPD to 2 MGD (189 m³/day to 7,570 m³/day)
- Portable and reusable
- Odor-free
- Custom coatings to match surrounding terrain
- Pre-assembled auxiliary components
- Reliable extended aeration process technology
- Compact and self-contained designs
- Above- or below- grade installation

Typical Applications

- Hotels and resorts
- Remote mine and construction sites
- Campgrounds and parks
- Highway rest areas and truck stops
- Apartment complexes
- Military bases
- Power stations
- Schools and universities
- Towns and small residential communities
- Hospitals and nursing homes
- Churches

Options Available with Tipton Plants

In order to address stringent effluent standards, our design team can select and engineer the following

treatment options to achieve excellent removal rates of BOD, TSS, and nutrients.

- Tertiary dual-media filtration with automatic air and water backwash
- Biological nitrogen removal
- Chemical phosphorus removal
- Post-aeration for DO control
- Disinfection with UV light or chlorine
- Mechanical grit removal
- Clarification
- Chemical addition
- Mechanical influent screening

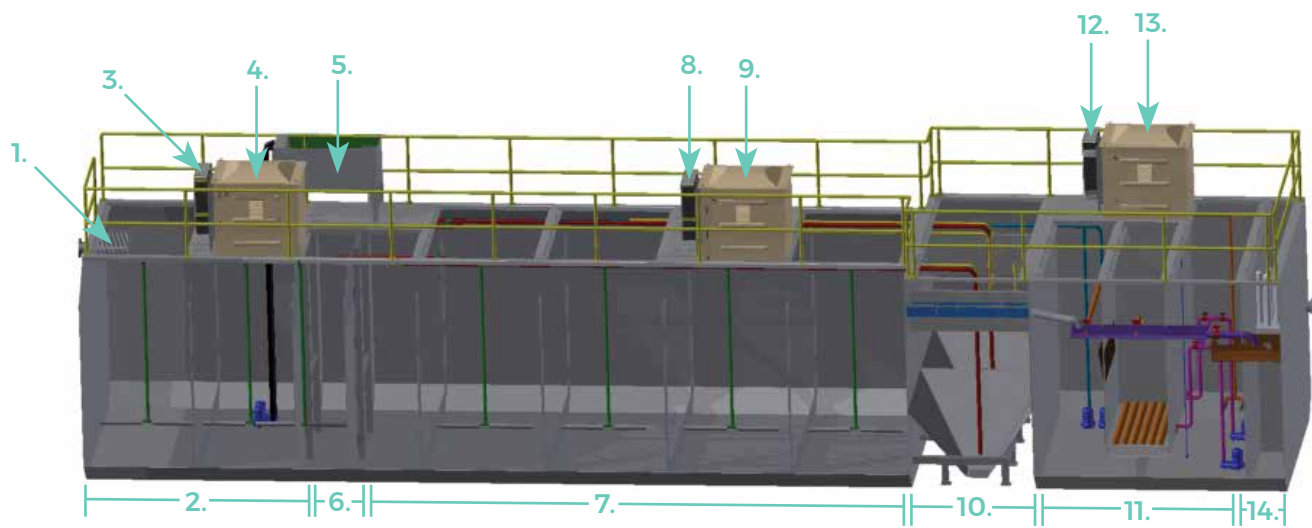
Standard Features

- Manual bar screen
- Flow equalization chamber
- Sludge holding tank
- Disinfection (UV or chlorine)
- Clarifier (hopper bottom or mechanical)
- Service walkways/ grating/stairways

Optional Features

- Comminutor
- Anoxic basin
- Tertiary sand filters
- Post-aeration chamber

Tipton Series Packaged Wastewater Plant



KEY	
1. Inlet Bar Screen	8. Main Control Panel
2. Flow Equalization Chamber	9. Aeration Blower
3. Flow EQ Control Panel	10. Hopper Bottom Clarifier
4. Flow EQ Blower	11. Tertiary Dual Media Sand Filter (optional)
5. Flow Control Box	12. Tertiary Control Panel
6. Sludge Holding Tank	13. Tertiary Blower
7. Aeration Chamber	14. Disinfection: Chlorine Contact Chamber

Fluence is Your EXPERT

With thousands of installed units around the world, Fluence is your expert provider for wastewater treatment solutions. We offer all major wastewater aeration technologies and the expertise to help you select and apply the equipment best suited for your application. Our technical experts are ready to assist you with the proper sizing, layout, and operation of your aeration system.

About Fluence

Formed in 2017 following the consolidation of independent water treatment solution providers Emefcy and RWL Water, Fluence Corporation was established with the vision of becoming the leading global provider of fast-to-deploy smart decentralized and packaged water, wastewater and reuse treatment solutions. With some 300 highly-trained water professionals with experience operating in 70 countries, Fluence provides local and sustainable

treatment solutions while empowering businesses and communities worldwide to make the most of their water resources. With core operations in North America, South America, the Middle East, Europe and China, Fluence offers an integrated range of solutions across the complete water cycle – from early stage evaluation, through design and delivery, to ongoing support, optimization of water related assets, operations and financing.

Fluence is a public company traded on the Australian Securities Exchange (FLC).



info@fluencecorp.com • fluencecorp.com
©2017 Fluence_FLC17008



Value from Water