

# Tipton Series



Packaged Wastewater Treatment Plants

[rwlwater.com](http://rwlwater.com)

RWL  
Water<sup>SM</sup>

## Packaged & Field-Erected Wastewater Treatment Plants

RWL Water provides complete treatment solutions for municipal, commercial, and industrial wastewaters. Tipton Series Packaged Wastewater Treatment Plants are custom configured for each project.

With over 7,000 installations, RWL Water has the engineering expertise to construct treatment plants to address a wide range of wastewater challenges. Tipton Series packaged plants are designed for applications that require reliable and cost-effective secondary and tertiary treatment solutions.

Over 1,000 Tipton Series extended aeration packaged plants operate around the world today. As a result of RWL Water’s engineering experience and design standardization, new systems can be shipped quickly to any customer, at any location. Tipton Series packaged plants are flexible and simple to operate in the field and are designed to minimize installation and start-up costs.

### 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
- ▶ 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, motels, 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

## The Tipton Series Packaged Plant Advantage

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

The Tipton Series packaged plants are fabricated from high-strength, reinforced carbon steel and coated to allow the plant 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 a superior epoxy paint coating system, and plants are equipped with sacrificial anodes to protect against galvanic action and corrosion. RWL Water customers enjoy a long service life from their properly installed and maintained treatment plants.



## Options Available with Tipton Wastewater Plants

In order to address more stringent effluent standards, our design team can select and engineer the following treatment options to achieve excellent removal rates of BOD, TSS, and nutrients.

Secondary Wastewater Treatment	
Tertiary prescreening	Disinfection with UV or chlorine
Tertiary dual media filtration with automatic air and water backwash	Grit removal
Biological nitrogen removal	Clarification
Chemical phosphorus removal	DAF
Post aeration for DO control	Chemical addition
	Prescreening

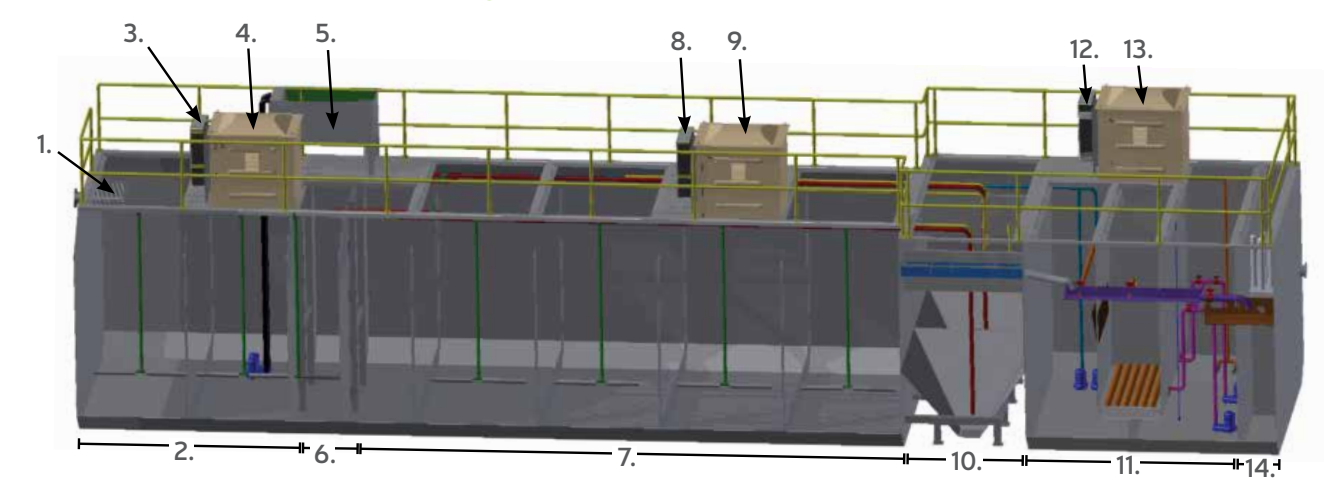
### Standard Features

- ▶ 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

### 3D Model of a 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



# Tipton Series

Founded by Ronald S. Lauder, RWL Water was established with a vision to become the leading global water, wastewater, and reuse solutions provider in the middle market. Our mission is to provide leading-edge sustainable solutions by deploying our internationally experienced and highly responsive team, dedicated to achieving clients' economic and operational goals.



We have designed and built more than 7,000 plants for clients on all seven continents. RWL Water has a reputation for innovative engineering and fast deployment to meet the needs of industrial and municipal clients around the world.

Each custom water system is individually designed and built, considering the existing wastewater's characteristics and effluent

quality requirements. We perform a cost-benefit assessment, balancing investment costs with ongoing operation and maintenance costs to build a solution that is right for you.

Our core operations are strategically located in North & South America, the Middle East, and Europe to provide rapid response through our network of sales, service, technical, and engineering professionals worldwide.



Headquarters



Operating Entities



Regional Offices

7,000+

INSTALLATIONS

200+

EMPLOYEES

70+

COUNTRIES WITH  
INSTALLATIONS

RWL Water offers any combination of tailored finance packages, as well as operation and maintenance services, for its treatment plants.

Email or visit us online.

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