



High-efficiency, compact and modular system for rapid deployment and production of reuse quality water

The SynaPure wastewater treatment system is an innovative, state-of-the-art technology that can treat a wide range of waste streams with high solids (up to 25%) without the need for prefiltration or multiple stages.

### OVERVIEW

The SynaPure™ wastewater treatment system is a flexible, single-pass process capable of treating a wide variety of influent wastewater types to produce direct discharge or reuse quality effluent. Provided on a skid or built into a shipping container, the system can be rapidly deployed to virtually any site. The modular nature of the process allows for flexibility of operation and ease of scale-up. The system's compact design further enables placement in locations not suitable for conventional water treatment facilities and at a significantly reduced cost.

The fully automated system requires minimal supervision and operator attention. It is climate- and location-agnostic offering consistent and highly predictable performance.

### APPLICATIONS

- Landfill leachate treatment
- Removal of per- and polyfluoroalkyl substances (PFAS), boron and other emerging contaminants
- Municipal and lagoon wastewater treatment
- Industrial and high-solids wastewater treatment
- Drinking water and groundwater treatment

### SYSTEM BENEFITS

- **Flexible Treatment Capability** – Enables dialing treatment precisely to the site and permit needs.
- **Contaminant-Agnostic, Physical Barrier-Based Process** – Allows single-pass removal of all influent organic and inorganic constituents including pathogens.
- **Plug-and-Play, Pre-Engineered Modular System** – Facilitates rapid deployment and easy scale-up and operation.
- **Minimal Pretreatment** – Enables system to handle influents with solids as high as 25%, helping to reduce operational complexity.
- **Robust System** – Allows quick response to influent flow and load variations.
- **Compact Footprint** – Facilitates low installation cost.
- **Fully Automated Operation** – Enables remote monitoring and requires minimal operator time.





## SYNAGRO ADVANTAGE

When you are looking for the best wastewater and biosolids solutions to serve your business and your community, Synagro has the proven solutions to help you succeed. Municipalities and industrial organizations like yours that want to sustainably treat wastewater and make the best use of organic waste turn to Synagro. Across the United States and in Canada, Synagro applies expertise and innovative technology to provide resource recovery solutions that meet the unique needs of customers and communities.

## WHO WE ARE

Founded in 1986, Synagro Technologies, Inc. works to turn waste into worth by helping more than 1,000 municipal and industrial water and wastewater facilities in North America move toward safer, cleaner and more environmentally beneficial practices. For some, it's simply cleaning their influent water. For others, it's much more – we partner with them to treat their wastewater for discharge or reuse and process their waste solids into compost or energy pellets, creating healthy soil and sequestering carbon in the process. As the largest recycler of organic by-products in North America, we're trusted because we remove risks while keeping the logistics clean. Because our expertise is the oldest in the business, we can offer tailored solutions that ensure no waste goes to waste. Much of our work isn't pretty. But a greener world emerging from a cleaner one – worth coming from waste – and we think that's pretty beautiful.

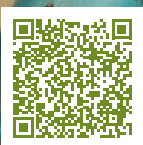
## HOW WE CAN HELP

Our professional and experienced staff members provide solutions for all aspects of wastewater, biosolids and residuals management needs, from treatment to land permitting and soil analysis by our nationwide technical services team to facilities development by our in-house engineering staff. Synagro provides a comprehensive scope of customer- focused solutions. Visit [www.synagro.com](http://www.synagro.com) to learn more.

## THE SYNAPURE™ SYSTEM

The technology behind the SynaPure system removes contaminants including inorganic and organic pollutants, total suspended solids, total dissolved solids, PFAS, heavy metals and pathogens that can create challenges and disposal issues for our current and future customers.<sup>1</sup>

<sup>1</sup>[https://www.epa.gov/system/files/documents/2021-09/multi-industry-pfas-study\\_preliminary-2021-report\\_508\\_2021.09.08.pdf](https://www.epa.gov/system/files/documents/2021-09/multi-industry-pfas-study_preliminary-2021-report_508_2021.09.08.pdf)



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