



90% REDUCED BIOSOLIDS VOLUME

THE WATERBURY FACILITY PROVIDES SOLUTIONS FOR UP TO 40 AREA BIOSOLIDS PRODUCERS.



 = 2 area biosolids producers

CHALLENGE

Biosolids management options in the Northeast are declining due to state regulatory requirements, population density, lack of agricultural options and harsh weather conditions. These limitations leave biosolids generators in New England, including the City of Waterbury, Connecticut's Water Pollution Control Plant with fewer options such as landfilling or development of expensive individual processing facilities.

SOLUTION

Synagro renovated and expanded an existing structure located adjacent to the City's plant. Under a 20-year agreement with Waterbury, Synagro processes all the sludge produced by the City, and has sufficient reserve capacity to process sludge generated by as many as 35 to 40 other waste treatment plants in the surrounding region.

FACILITY

Operational since 1993, the Waterbury Wastewater Treatment Facility has a daily capacity of 63 dry tons, and a yearly capacity of 22,000 dry tons. Sludge cake is dried with the indirect heat dryer before moving to the fluid bed thermal processor, where the dewatered biosolids and heat from the energy recovery system dry the material to 90 percent solids. The dried biosolids meet Class A standards and can be used as fertilizer or as fuel in cement kilns or other biomass energy recovery systems.

These technologies allow for 97 percent odor removal, meeting all federal and state regulations for emissions control.

SUCCESS

Synagro's biosolids management services at the facility over the last 20 years have resulted in the following successes:

- Sustainable biosolids management outlet for 40 area generators with no capital outlay
- Private funding for technology upgrades
- Taxpayer savings of over half a million dollars annually in disposal fees
- Reduction in carbon footprint through lower emissions and alternative fuel sources
- Efficient management of disposal ash to the City's landfill
- Employment of 15 local residents
- Utilization of local service and material suppliers – close to a quarter of a million dollars – whenever possible



PARTNER WITH SYNAGRO

When you are looking for the best biosolids and residuals 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 make the best use of organic waste turn to Synagro. Across the United States, Synagro applies expertise and innovative technology to provide resource recovery solutions that meet the unique needs of customers and communities.

WHO WE ARE

Synagro is the country's preeminent provider of biosolids and residuals solutions services since 1986.

Headquartered in Baltimore, Maryland, we employ over 800 people in 34 states and service more than 600 municipal and industrial water and wastewater facilities.

HOW WE CAN HELP

Our professional and experienced staff members provide solutions for all aspects of biosolids and residuals management needs, from 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.



CONTACT US

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