



### SYNAGRO AND GNHWPCA ARE TRANSFORMING SUSTAINABLE WASTE MANAGEMENT ACROSS NEW ENGLAND

OFFSETTING MORE THAN  
\$500,000 IN FUEL COST

CUTTING OVER 6,000 METRIC  
TONS OF CO<sub>2</sub> EVERY YEAR

#### CHALLENGE

For years, the Greater New Haven Water Pollution Control Authority (GNHWPCA) met critical needs for the City of New Haven and surrounding municipalities in southern Connecticut. But by the early 1990s, its ability to serve a diverse and growing clientele was at serious risk – thermal conversion equipment was not operational and a back-up alkaline stabilization system used outdated odor control technology.

#### SOLUTION

In response to these urgent challenges, GNHWPCA contacted Synagro to upgrade and refurbish the existing multiple-hearth furnace. In addition, Synagro proposed an interim solution to GNHWPCA's immediate sludge management needs and odor issues by hauling solids to the Woonsocket, Rhode Island incinerator for disposal.

Having solved the immediate problem at hand, Synagro was ready to implement the upgrade and refurbish GNHWPCA's multiple-hearth furnace, ensuring long-term operation, maintenance and handling of the plant's solids. It was the fix that the GNHWPCA needed and a collaboration that still continues today.

After aiding in the improvement of the thermal conversion process, Synagro introduced merchant sludge from external generators in the region to maximize capacity, enhancing its operational efficiency and generating income for the community.

#### CONTINUED INNOVATION

Dedicated to making a positive impact, Synagro also joined forces with the GNHWPCA and the Connecticut Department of Energy and Environmental Protection to pilot a fats, oils and greases (FOG) receiving and processing program in New Haven. Our goal was to implement a more reliable, cost-effective solution for dischargers of FOG that remain compliant with regulations.

To accomplish this, the Synagro led team established the first FOG receiving facility in the state. This created an additional revenue stream for the GNHWPCA as well as gave food-preparation establishments an outlet for the beneficial use of waste material. Without Synagro's innovative approach, GNHWPCA would have experienced severe foul collection system and wastewater facility problems.

Since inception, Synagro has helped the GNHWPCA maintain more than 96 percent uptime performance. The FOG receiving facility has processed over 27 million gallons of material, offsetting more than \$500,000 in fossil fuel costs.





### 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

Synagro Technologies Inc.  
435 Williams Court, Suite 100  
Baltimore, Maryland 21220

800.825.5698  
sales@synagro.com  
synagro.com