



SUCCESS

Synagro provided a budget-friendly biosolids management solution to wastewater treatment plants in Southwest Florida, recycling their biosolids into Class AA compost. At the Charlotte County Bio-Recycling Center we are proud that we are:

- Transforming 100 percent of the County's biosolids into a "Class AA" biosolids product.
- Creating sustainable markets for compost from the County's transformed biosolids.
- Incorporating a storm water management system to reduce both the volume of "process" water routed to the wastewater treatment plant and to direct clean storm water to existing collection areas.
- Distributing valuable, quality compost to support local agricultural and commercial enterprises.

CHALLENGE

With available landfill space at a premium, and Class B land application limited through regulatory and local acceptance issues, municipalities in Southwest Florida needed an alternative disposal method for the biosolids produced by their wastewater treatment plants. Further, most of these plants do not have their own mechanical dewatering so they sought a solution provider that could offer mobile dewatering and cake transport as well as a reliable and economic management method for their solids.

SOLUTION

In 2013, Synagro broke ground on the Charlotte County Bio-Recycling Center (CCBRC) in Punta Gorda, Florida. Annually, the 10-acre facility redirects 50,000 tons of wet biosolids material from area landfills and turns it into 100,000 cubic yards of Class AA compost. The CCBRC is a public-private partnership which generates over \$300,000 of host fees and other benefits to the County in the process.

The CCBRC uses proven aerobic windrow composting to recycle both biosolids and yard/green waste. Meeting both the Florida Department of Environmental Protection and U.S. Environmental Protection Agency rules governing production of "exceptional quality" Class AA biosolids under Florida regulations, the facility provides regional municipal and industrial wastewater facilities, along with homeowners, landscapers and local utilities – who normally dispose of their green waste by landfilling – a superior solution through recycling their organic waste to create a valuable product.

By siting the CCBRC on an under-developed portion of the County landfill, Synagro was able to make use of the existing infrastructure. Moreover, the compost facility is congruous with the current land use as CCBRC is situated within the boundaries of the County's municipal solid waste landfill which is bordered by designated environmental areas.

In order to limit the impacts of composting biosolids and taking into consideration the almost daily rainfall events in Southwest Florida, CCBRC includes two canopy structures which cover the active composting area and divert storm water from the site. The small volume of water that comes in contact with biosolids or compost is directed to the on-site leachate treatment facility.



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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