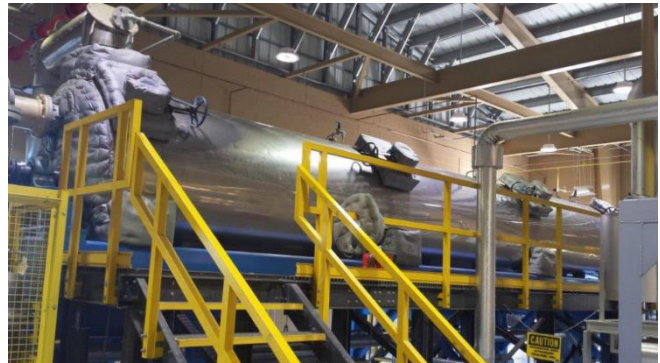


## BIOSOLID UPGRADES / ENERGY RECOVERY

**STATE PROGRAM:** Alabama Department of Environmental Management

**ASSISTANCE RECIPIENT:** City of Albertville

**ASSISTANCE AMOUNT:** \$6.28M



### PROJECT DESCRIPTION

Biosolids disposal is a costly annual operational expense for the Municipal Utilities Board of Albertville (MUB), which decided to take a proactive approach to reducing the operating costs and improving the overall efficiency of the Albertville Eastside Wastewater Treatment Plant. The MUB received CWSRF assistance to install a new, cutting-edge sludge dryer that produces renewable biosolids for use as agricultural fertilizer while utilizing the biogas formed during the treatment process as fuel to operate the drying system. The utility upgraded the grit and grease removal (at the headworks) and the digester mixing processes to increase biogas production and enable MUB to accept additional grease from septic haulers. This provided the potential for significant amounts of additional biogas fuel. Overall, these improvements afford MUB a long-term, sustainable solution for converting a costly waste (Class B biosolids) into a beneficial by-product (Class A biosolids) while utilizing a renewable, green energy source. The project was funded with a grant from the Tennessee Valley Authority combined with principal forgiveness and a loan from the Alabama CWSRF.

To read more about this case study, please visit [epa.gov/sites/default/files/2017-11/documents/pisces\\_compendium\\_final2.pdf](https://www.epa.gov/sites/default/files/2017-11/documents/pisces_compendium_final2.pdf).