

MSD PROJECT CLEAR SOLIDS MANAGEMENT UPGRADES PROJECT

BORROWER: Metropolitan St. Louis Sewer District
(MSD Project Clear)

LOCATION: St. Louis, Missouri

WIFIA LOAN AMOUNT: \$330 million

TOTAL WIFIA PROJECT COSTS: \$898 million

POPULATION SERVED BY PROJECT: 1.3 million people

NUMBER OF JOBS CREATED: 3,025 jobs



Photo credit: MSD Project Clear

PROJECT DESCRIPTION

The MSD Project Clear Solids Management Upgrades Project will reduce air emissions and ensure continued compliance with regulations. While MSD Project Clear's existing biosolids treatment facilities, built in the 1970s, continue to meet or exceed all air quality standards, they rely on outdated technology. This project consists of construction of new biosolids processing buildings, including fluidized bed incinerators and sludge dewatering equipment. These new facilities will have emissions controls that provide up to a 90 percent reduction of certain pollutants. Furthermore, the new fluidized bed incinerators will require less energy and fuel consumption. MSD Project Clear will also construct odor control systems to reduce unpleasant odor impacts on neighboring communities with environmental justice concerns.

PROJECT BENEFITS

- Improves air quality for neighboring residents by substantially reducing air emissions.
- Increases operational efficiency compared to existing incinerators and reduces energy consumption and fuel usage.
- Saves the MSD Project Clear approximately \$86 million by financing with a WIFIA loan.