Metro Plant Solids Management Facility Plan

SUSTAINABLE INCINERATION

Metropolitan Council Environmental Services (MCES) proposes to continue sustainable incineration at its Metropolitan Wastewater Treatment Plant (Metro Plant).

Project Overview

The project includes construction of a fourth incinerator, following with renewal of existing incineration facilities. The fourth incinerator includes energy recovery equipment, air pollution control equipment, and related solids processing equipment.

Project Background

MCES employs the newest environmentally sustainable solids processing methods at the Metro Plant. The process eliminates bacteria, generates energy, and reduces solids disposal. The Metro Plant incineration system continues to have an exceptional track record of environmental compliance.

Project Need

The Metro Plant needs additional solids processing capacity to:

- Preserve Existing Wastewater Treatment Plant Infrastructure
  Planned renewal projects will require extended downtime of the existing incinerators.

- Serve Regional Population Growth
  500,000 new residents in the Twin Cities Metro Plant service area by 2050.

PROJECT LOCATION

The Metro Plant treats 180 million gallons of wastewater every day for 66 communities and processes 850 wet tons of solids every day for 73 communities.

The Metro Plant is located two miles southeast of downtown St. Paul.

2400 Childs Road
St. Paul, MN 55106
Fourth Incinerator Project Benefits

The fourth incinerator is the most cost-effective and sustainable alternative to meet the region’s wastewater needs. It will have the lowest community impact, and will improve the reliability of the wastewater treatment system.

**COST EFFECTIVE**
Adding a fourth incinerator costs 50% less to construct, operate, and maintain than any other solids processing alternative.

**LOW IMPACT**
A fourth incinerator will not generate additional odors or require land acquisition, providing the lowest impact to surrounding communities.

**ENERGY RECOVERY**
Incineration recovers enough energy to power 2,400 homes. The energy recovered is used within the plant and saves ratepayers $2.5 million per year.

**LOW GREENHOUSE GASES**
Greenhouse gas emissions are similar to other alternatives and insignificant compared to other industries and are offset through energy recovery.

**EXCEPTIONAL AIR QUALITY**
The fourth incinerator will meet strict air emission standards, ensuring protection of human health and the environment.

**SYSTEM RELIABILITY**
The fourth incinerator will allow the Metro Plant to serve as backup to the other MCES facilities, increasing the reliability of the whole MCES system.

Project Schedule

Planning was initiated in 2015. The fourth incinerator will be constructed by 2024, followed by renewal of existing facilities.

Learn More

Hotline: 651.691.9124  
Email: info@metrosolids.com  
Web: metrocouncil.org/metrosolids

MCES Mission

Provide wastewater services and integrated planning to ensure sustainable water quality and water supply for the region.