SUSTAINABLE INCINERATION

Metro Plant Solids Management Improvements Project

Metropolitan Council Environmental Services (MCES) plans to add capacity and renew existing wastewater solids processing facilities at the Metropolitan Wastewater Treatment Plant (Metro Plant).

**Project Overview**

The project includes construction of a fourth incinerator, followed by renewal of existing incineration facilities. The fourth incinerator includes energy recovery, air pollution control, and related solids processing equipment. The Metro Plant incinerates 75% of the regions wastewater solids and is critical infrastructure for protection of public health and the environment.

**Project Background**

MCES employs the newest environmentally sustainable methods for processing solids removal from wastewater 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 and the Metro Plant has had zero odor complaints for the last five years. During public outreach held in 2018, there were no concerns expressed in regards to odor, noise, and traffic.

**Project Need**

The Metro Plant needs additional wastewater 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 Metro Plant service area by 2050.

**Air Permitting & Environmental Review**

The fourth incinerator requires a major air permit amendment which has been submitted to the Minnesota Pollution Control Agency (MPCA) for review. MCES will voluntarily complete an environmental assessment worksheet (EAW) with the MPCA.

**Project Schedule**

MCES completed planning and engaged in outreach at the end of 2018. The fourth incinerator is planned to be constructed by the end of 2026, followed by renewal of existing facilities.

<table>
<thead>
<tr>
<th>Year</th>
<th>Phase</th>
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<tbody>
<tr>
<td>2015</td>
<td>Planning</td>
</tr>
<tr>
<td>2019</td>
<td>Fourth Incinerator Permitting / Procurement / Preliminary Design</td>
</tr>
<tr>
<td>2024</td>
<td>Fourth Incinerator Design Build Construction</td>
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<td>2027</td>
<td>Existing Incinerators Renewal Design &amp; Construction</td>
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<td>2030</td>
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**Learn More**

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**MCES Mission**

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

Please join us for virtual meetings to discuss the status of the Metro Plant Solids Management Improvements project.

Learn More

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