



wastewater + stormwater

SOLIDS MANAGEMENT UPGRADE PROJECT

Quarterly Update: Winter 2024

The **Solids Management Upgrade Project Winter 2024 Quarterly Update** highlights continued progress toward improving air quality in the St. Louis region through upgrades to biosolids facilities at the Lemay and Bissell Point Wastewater Treatment Plants. This update provides a snapshot of current progress, upcoming activities, and ongoing efforts to minimize neighborhood impacts.

Design Update

The design team, led by Crawford, Murphy, and Tilly (CMT), is on track to deliver final design documents in early 2025. Collaboration continues with MSD Project Clear (MSDPC) to optimize design for access, maintenance, and operations. With the Fast-Track Design Build approach, construction work has begun even as design work is finalized. CMT is actively supporting ongoing construction efforts and will continue to do so throughout the project.

Construction Update

The construction team, led by Kokosing/Plocher (KP), continues to make progress on both sites.

At Bissell

- Placement of the first concrete wall for the basement and installation of drain piping for the Solids Processing Building basement foundation
- Installation of below-grade electrical duct banks

At Lemay

- Installation of foundation piers for the Solids Processing Building basement
- Installation of drain piping to support foundation

Additional safety and quality assurance personnel have been brought in to keep pace with the increasing volume of work across both project sites.

WHAT IS COMING UP NEXT?

- Completion of project design (100%)
- Construction at Bissell
 - » Complete foundation work on west side and begin backfill.
 - » Start work on the interconnecting tunnel and underground utility installations around the Solids Processing Building.
- Construction at Lemay
 - » Continuation of drilled pier construction. *Drilled piers are large deep holes filled with concrete to create a strong foundation for heavy structures.*
 - » Begin basement concrete construction for the Solids Processing Building.
 - » Begin renovation work on the existing Grit & Screening Building and initiate work on the new plant entrance off S. Broadway.



NEIGHBORHOOD IMPACT

- **Visible Progress:** Cranes are now prominent at both Lemay and Bissell sites.
- **Sustainable Construction Efforts:** The demolition debris is being processed on-site into reusable aggregate for backfill and gravel surfacing, reducing truck hauling impacts and supporting sustainability.
- (Lemay only) Upcoming Traffic Control: Work on the S. Broadway plant entrance at Lemay will require temporary traffic management for demolition and replacement activities.



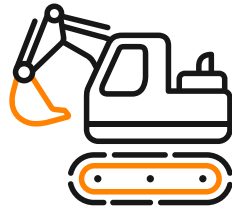
Bissell - Basement concrete construction in progress



Lemay - Drilled Shaft construction in progress, an below slab drain piping installation.

FAST FACTS

58,000 CUBIC YARDS
OF DIRT EXCAVATED



12,000 LINEAL FEET
OF DEEP-FOUNDATION SUPPORTS (H-PILE)



50 DRILLED PIERS
COMPLETED

2,400 CUBIC YARDS
OF CONCRETE POURED



420 TONS
OF REINFORCING STEEL INSTALLED



HAPPY
Holidays

From all of us at **Crawford, Murphy, and Tilly and Kokosing/Plocher**, we extend our warmest wishes for a **Happy Holidays** to our partners and the community. Thank you for your continued collaboration and support.



CONTACT INFORMATION

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