Blue Lake Wastewater Treatment Plant Improvements Project

ABOUT THE PROJECT

MCES is preparing a Facility Plan for improvements to its Blue Lake Wastewater Treatment Plant in Shakopee. The plan will outline plant improvements needed to serve anticipated growth in the southwest metropolitan area through 2050 and meet new water quality standards for phosphorus.

PROJECT BENEFITS

- Service Reliability
- Asset Preservation
- Efficiency and Safety
- Protect the environment

PROJECT NEED

- Additional Blue Lake liquids treatment facilities are needed to meet future environmental regulations.
- The MPCA established River Eutrophication Standard TMDL for the Minnesota River which will require the Blue Lake Plant to meet a 0.3 mg/l total effluent (phosphorous).
- The Blue Lake WWTP needs to expand liquids treatment facilities to serve growth in the service area.
- The population in the Blue Lake Service area is expected to increase by approximately 50,000 by 2050.
- Blue Lake WWTP needs to expand solids treatment to renew existing facilities.
- The Final Stabilization Facility (FSF) is near the end of service life at over 20 years old and needs to be renewed.

CONSTRUCTION SCHEDULE

- Winter 2020 – 2021: Facility Plan Design
- Mar. 15, 2021: Public Hearing
- Spring 2021: Final Facility Plan

PHASE I: Solids Preservation $159 Million 5 – 10 years
PHASE II: Effluent Quality Improvements $140 Million 10 – 15 years
PHASE III: Liquids Capacity Improvements $114 Million 15 – 20 years

CONTACT US:

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