



**COMMISSION FILE NO:** 26-071-6 **DATE INTRODUCED:** June 8, 2026

**INTRODUCED BY:** Executive Director (Signature on File in the Office of the Commission)

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Approve Changes in Total Project Cost for Project S06042, South Shore Water Reclamation Facility Odor Assessment

**SUMMARY:**

The Commission is requested to increase the total project cost (TPC) for Project S06042, South Shore Water Reclamation Facility (SSWRF) Odor Assessment, by \$52,304 for an amended TPC of \$536,838 and to make a corresponding change to the TPC of Project M99001, Allowance for Cost and Schedule Changes.

SSWRF wastewater treatment processes include preliminary, primary, and secondary treatment along with disinfection. SSWRF also handles, thickens, digests, and dewateres sludge and generates digester gas. Some of these processes can generate odors. Currently, there are limited odor mitigation strategies and odor treatment technologies at the facility. Many processes are open to the atmosphere, and, under certain conditions, odors can migrate outside the SSWRF property.

SSWRF is located adjacent to residential areas within the City of Oak Creek. In the areas surrounding SSWRF, there is ongoing residential development as well as plans for additional future residential construction. While the District has received occasional odor complaints in recent years from the general area, only some of those complaints may be associated with SSWRF treatment processes.

**ATTACHMENTS:** **BACKGROUND**  **KEY ISSUES**  **RESOLUTION**   
**FISCAL NOTE**  **SBE**  **OTHER**  \_\_\_\_\_

*OP\_TPC\_Increase\_to\_Support\_Additional\_On-Call\_Work\_S06042\_legislative\_file.docx  
05-14-26*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

### Approve Changes in Total Project Cost for Project S06042, South Shore Water Reclamation Facility Odor Assessment

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In 2025, the District completed a planning study that identified key odor sources and evaluated potential mitigation strategies at SSWRF. The study reached the following conclusions and recommendations:

- SSWRF can create detectable offsite odors under certain conditions.
- The primary sources of odors are associated with preliminary treatment and primary clarification processes.
- Proceed with development of a project to address odors associated with preliminary treatment processes.
- Do not immediately invest significant funds in permanent odor control infrastructure for primary clarification processes.
  - Instead, implement operational changes intended to reduce odors.
  - Perform odor monitoring to evaluate the effectiveness of the operational changes.
- Based on the monitoring results, determine whether permanent odor control improvements are necessary and, if so, to what extent.

Staff is proceeding with these recommendations as follows:

- Related to the preliminary treatment recommendation, staff is proposing a new capital project in the 2027–2036 Capital Improvements Plan to implement odor mitigation improvements.
- For operational changes, staff have been working with Veolia Water Milwaukee, LLC, to implement operational modifications intended to reduce odors.
- Related to the odor monitoring recommendation, the District currently does not have an odor monitoring system near SSWRF. Staff recommend developing a plan on how to best establish such a system to track odors, evaluate potential operational and weather-related correlations, and assess odor mitigation effectiveness.

Project S06042 does not currently have sufficient budget within the TPC to develop an odor monitoring plan. To proceed with this recommendation, an increase to the project's TPC is required. Once the TPC is increased, staff plan to utilize an existing on-call engineering contract to develop an odor monitoring plan for SSWRF, including recommendations for equipment and monitoring locations. Budgeting for implementation of an odor monitoring system, based on the plan recommendations, would occur in a future Commission request.

The proposed TPC increase includes funding for both engineering services and staff labor.

## RESOLUTION

Approve Changes in Total Project Cost for Project S06042, South Shore Water Reclamation Facility Odor Assessment

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project S06042, South Shore Water Reclamation Facility Odor Assessment, is increased by \$52,304 for an amended total project cost of \$536,838, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.