



COMMISSION FILE NO: 25-008-1 **DATE INTRODUCED:** January 13, 2025

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Award of Contract S06038C37, Primary Sludge Screens Replacement or Rehabilitation at South Shore Water Reclamation Facility

SUMMARY:

The Commission is requested to authorize the Executive Director to execute on behalf of the District Contract S06038C37, Primary Sludge Screens Replacement or Rehabilitation at South Shore Water Reclamation Facility (SSWRF), to Doral Corporation (Doral) in the amount of \$399,000. Doral was the lowest responsible, responsive bidder among three bids received.

At SSWRF, there are 16 primary clarifiers that remove settleable and floatable solids from raw wastewater that has already been screened and had grit removed. The settleable solids are removed from the clarifiers as primary sludge, while floatable solids are removed as scum. Primary sludge is pumped to three primary sludge screens. The sludge screens remove rags, debris, and other coarse material from the sludge stream and then discharge the screened material into a dumpster for disposal in a landfill. If not removed, this material would end up in the SSWRF digesters, reducing the efficiency of the digesters and their ability to produce digester gas. In addition, the material could also plug pipes and pumps.

The sludge screens were originally installed over 20 years ago. Two of the units were overhauled about 10 years ago and the third about 12 years ago. Based on equipment operating hours and the amount of wear on key operating components, all three sludge screens are due for an overhaul or replacement. This will result in improved performance and reliability of the equipment.

ATTACHMENTS: BACKGROUND KEY ISSUES RESOLUTION
FISCAL NOTE S/W/MBE OTHER _____

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Award of Contract S06038C37, Primary Sludge Screens Replacement or Rehabilitation
at South Shore Water Reclamation Facility

The District developed a public bid package that included a base bid for replacement of the sludge screens and an alternate bid to rehabilitate the sludge screens. Doral was the low bidder for each, and their bids are shown below.

Base or Alternate Bid	Bid Scope	Submitted Bid
Base	Replace primary sludge screens	\$399,000
Alternate	Rehabilitate primary sludge screens	\$370,000

District staff recommends award for replacement of the three sludge screens, as the cost for new screens is only about eight percent more than the cost to rehabilitate the existing screens.

Under this contract, Doral will:

- Procure three new sludge screens.
- Disconnect and remove three existing sludge screens.
- Install and reconnect three new sludge screens, reusing existing controls.

The contract duration is 300 days.

RESOLUTION

Award of Contract S06038C37, Primary Sludge Screens Replacement or Rehabilitation
at South Shore Water Reclamation Facility

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute Contract S06038C37, Primary Sludge Screens Replacement or Rehabilitation at South Shore Water Reclamation Facility, with Doral Corporation in the amount of \$399,000.