

COMMISSION FILE NO: 16-106-9 **DATE INTRODUCED:** September 12, 2016

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

REFERRED BY COMMISSION CHAIRPERSON TO: Operations Committee

RELATING TO: Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 969, Jones Island Water Reclamation Facility Dryer #1 Trunnion Replacements and Repairs (Project J06065)

SUMMARY:

The Commission is requested to authorize the Executive Director to execute a purchase order with Veolia Water Milwaukee, LLC, (VWM) for Material Capital Repair or Replacement Number 969, Jones Island Water Reclamation Facility (JIWRF) Dryer #1 Trunnion Replacements and Repairs (Project J06065), in an amount not to exceed \$210,000.

At JIWRF, Milorganite® is produced within the Drying and Dewatering Facility. The Milorganite® production process utilizes up to 12 rotary sludge dryers to heat-dry dewatered biosolids. Each dryer drum rotates on steel tires that are attached to the drum and are supported by four trunnion wheel assemblies consisting of a trunnion wheel, shaft, and bearings.

Dryer #1 is currently out of service due to worn trunnion wheels and tires that need resurfacing. The trunnion wheels on Dryer #1 are in need of replacement due to angular pitch misalignment, deep pitting, and loss of wheel width and diameter. In addition, the bearing seals on several trunnion wheels have failed and require frequent maintenance to repack and maintain adequate lubrication. The dryer steel tires need to be reground down to provide an even, uniform bearing surface for the trunnion wheels. The tires and trunnion assemblies on Dryer #1 are original equipment that has been in service for over 20 years.

The purpose of this project is to replace the four trunnion wheel assemblies, resurface the inlet and discharge end dryer drum steel tires, inspect the thrust rollers, shafts, and bearings for replacement, as required, align the drive train, and perform a laser alignment of the dryer.

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

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COMMITTEE ACTION: _____ **DATE:** _____

COMMISSION ACTION: _____ **DATE:** _____

SUMMARY (Cont'd)

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 969, Jones Island Water Reclamation Facility Dryer #1 Trunnion Replacements and Repairs (Project J06065)

VWM competitively bid the work, and Grunau Company was the lowest responsible and responsive, with one bid received. The purchase order will be issued to VWM, which is responsible for managing and overseeing the contract with Grunau.

Consistent with the Agreement for Management, Operations, and Maintenance Services between the District and VWM, VWM will make a \$10,000 contribution to the District for this project.

RESOLUTION

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacement No. 969, Jones Island Water Reclamation Facility Dryer #1 Trunnion Replacements and Repairs (Project J06065)

RESOLVED, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a purchase order with Veolia Water Milwaukee, LLC, for Material Capital Repair or Replacement Number 969, Jones Island Water Reclamation Facility Dryer #1 Trunnion Replacements and Repairs (Project J06065), in an amount not to exceed \$210,000.