

**COMMISSION FILE NO:** 25-082-6 **DATE INTRODUCED:** June 9, 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 J04057D03, Exhaust Dampers

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J04057D03, Exhaust Dampers, with Process Equipment, Inc., (PEI) in the amount of \$849,085. PEI was the lowest responsible, responsive bidder between two bids received.

The Jones Island Water Reclamation Facility (JIWRF) Dewatering and Drying (D&D) Facility has been in service since 1994. The D&D Facility converts sludge to Milorganite® product. The Milorganite® production process includes 12 rotary sludge dryers used to heat-dry dewatered biosolids, producing Milorganite®. The facility includes numerous mechanical components and ductwork for the transport of the exhaust from the dryers. After passing through pollutant removal equipment, the exhaust gas is conveyed through the dryer exhaust duct system, ultimately leading to the main stack and releasing to the atmosphere.

The dryer exhaust duct system consists of two stainless steel duct headers located on the seventh floor of the D&D Facility. The duct increases in size from 36 inches to 96 inches in diameter as it combines the exhaust from all 12 dryers. The total length of the duct system is approximately 400 feet. Each dryer has two dampers (24 total dampers for 12 dryers), which are used to isolate the dryer pollutant removal equipment from the duct headers. Furthermore, there are two additional baghouse dampers, which isolate the dryer area baghouse exhaust from the duct header system. The exhaust ducts and dampers are original to the building (over 30 years old).

**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 J04057D03, Exhaust Dampers**

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Both the ducts and dampers are in poor condition. The exhaust duct leaks condensate onto the floor, creating safety risks and damage to equipment below it, and has resulted in the need for multiple repairs. The dampers are corroded, worn, and obsolete and fail to seal properly. Due to these issues, the District created Project J04057, Dryer Exhaust Duct Header Replacement. Under this project, the duct and dampers are to be replaced. Given their continued deterioration, it is important that replacement work occurs quickly.

In 2023, the District contracted with Applied Technologies, Inc., (ATI) for engineering design services for the duct and dampers replacement. ATI's scope of services includes preparing bid and construction contract documents. As ATI performed the design services, they identified that pre-purchasing the dampers ahead of the construction contract can save overall time to construction completion. Typically, when the District replaces equipment, the construction contract includes both purchasing and installing equipment. For this project, the 26 dampers have a production cycle that exceeds 40 weeks. If the District included the damper purchase in the construction contract, the overall time to complete the construction would be 25 months. By pre-purchasing the dampers, the overall time to construction completion can be shortened to 18 months.

Under the proposed Contract J04057D03, PEI will furnish dampers and associated services as follows:

- 12 36-inch round dryer exhaust dampers.
- 12 36-inch round dryer stack bypass dampers.
- One 54-inch round baghouse isolation damper.
- One 42-inch round baghouse stack bypass damper.
- 26 actuators for the dampers.
- Installation assistance, inspection, certification of the installation, and functional and performance testing.
- Pre-startup classroom and jobsite training.

The proposed Contract J04057D03 requires the 26 dampers to be delivered by October 30, 2026.

ATI is currently preparing the bid package for construction of the duct and damper replacement (Contract J04057C01), which will include the installation of dampers purchased under this proposed Contract J04057D03. District staff expects to make a request to the Commission for the award of the full construction contract (J04057C01) in late 2025.

## **RESOLUTION**

### **Award of Contract J04057D03, Exhaust Dampers**

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract J04057D03, Exhaust Dampers, is awarded to Process Equipment, Inc., in the amount of \$849,085, and that the Executive Director is directed to execute a contract on behalf of the District.