

**COMMISSION FILE NO:** 17-026-3 **DATE INTRODUCED:** March 13, 2017

**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 J04039C01, Jones Island Water Reclamation Facility Pressure Relief Panel Replacement

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J04039C01, Jones Island Water Reclamation Facility Pressure Relief Panel Replacement, to W.L. Hall Company in the amount of \$2,229,390. W.L. Hall Company was the lowest responsible, responsive bidder with one bid received.

The Milorganite® Storage/Rail Loadout and Dewatering and Drying (D&D) Facilities at the Jones Island Water Reclamation Facility (JIWRF) have been in operation since the early 1990's. These facilities' primary functions are to produce, process, and convey Milorganite®. These operations can create significant amounts of dust. The presence of dust in the atmosphere can result in some risk of explosions or fires. These facilities were originally constructed with significant safeguards to reduce the risk of dust-related fires and explosions or reduce the impact of fires/explosions, if they should occur. These safeguards are driven by building and fire protection codes, along with recommendations from insurance companies.

One of the safeguards originally constructed with these facilities was pressure relief panels. A pressure relief panel intentionally opens quickly after an explosion, allowing the rapidly expanding heated gases to be released to the outside. By doing so, the internal walls, floor, and ceiling are spared from damaging overpressure experienced during an explosion. There are approximately 275 panels of varying sizes and configurations located throughout these buildings.

**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 J04039C01, Jones Island Water Reclamation Facility Pressure Relief Panel Replacement**

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The existing pressure relief panels were installed on the facades of both buildings during the original construction and have reached the end of their service life. They are experiencing significant delamination and general deterioration and, on at least one occasion, have fallen off the building during a wind storm. The panels do not have a restraint system, so, if a panel falls out, it simply falls to the ground.

The purpose of the project is to provide new panels with at least 20-year service lives and include a panel restraint system for the panels.

The work includes the removal and replacement of approximately 20,850 square feet of pressure relief panels at the D&D Facility and the Milorganite® Storage/Rail Loadout Facility. These panels are an engineered system and require National Fire Protection Association 68 compliance.

The duration for this contract is 305 days.

Consistent with the Agreement for Management, Operations, and Maintenance Services between the District and Veolia Water Milwaukee, LLC, (VWM), VWM will make a \$20,000 contribution to the District for this project.

## **RESOLUTION**

Award of Contract J04039C01, Jones Island Water Reclamation Facility Pressure Relief Panel Replacement

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract J04039C01, Jones Island Water Reclamation Facility Pressure Relief Panel Replacement, is awarded to W.L. Hall Company in the amount of \$2,229,390, and that the Executive Director is directed to execute a contract on behalf of the District.