



COMMISSION FILE NO: 21-114-9 **DATE INTRODUCED:** September 13, 2021

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 Replacements Nos. 1280 and 1310, Jones Island Water Reclamation Facility Hatch Replacements, Project J06075

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 Nos. 1280 and 1310, Jones Island Water Reclamation Facility (JIWRF) Hatch Replacements, Project J06075, in an amount not to exceed \$213,432.

At JIWRF, Milorganite® is produced by processing biosolids from both JIWRF and the South Shore Water Reclamation Facility (SSWRF). The biosolids processing system includes Equalization and Blending (E&B) Tanks, which receive biosolids from both JIWRF and SSWRF. The E&B tanks are used to mix primary and waste activated sludge into the desired blend ratio prior to being dewatered and heat dried for Milorganite® production. The two tanks are constructed of concrete and are 45 feet in diameter and over 30 feet in height. Each tank has a carbon steel hatch midway up the tank exterior, approximately 30 inches by 42 inches. The hatches provide access to the structure interior for cleaning, maintenance, and inspections.

Milorganite® production involves heat drying blended, dewatered biosolids, and further recycling, screening, and classifying those biosolids. These processes utilize and produce significant quantities of exhaust gases that must be processed in air pollution control systems before discharging to atmosphere through the JIWRF Plant Stack (Stack). The Stack is a 350-foot-tall brick masonry structure constructed in 1941 and rehabilitated in 1984. The Stack has three carbon steel hatches at its base, with dimensions of 38 inches by 52 inches, 24 inches by 36 inches, and 17 inches by 25 inches. These access hatches also provide access to the Stack interior for cleaning, maintenance, and inspection.

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 Replacements Nos. 1280 and 1310, Jones Island Water Reclamation Facility Hatch Replacements, Project J06075

All five hatches on the two facilities have severely corroded over time. The two hatches on the E&B tanks are leaking sludge, and the three hatches on the Stack no longer provide an airtight seal on the Stack. The E&B tank hatches are no longer used to access the tanks, because several other hatches exist on the tanks, so staff recommends that they be abandoned. The Stack hatches are no longer airtight and are needed for cleaning and inspection of the Stack; therefore, staff recommends that they be replaced.

VWM competitively bid the work to abandon and replace the hatches. Berglund Construction Company (Berglund) submitted the only bid, which was deemed responsive and responsible. The purchase order will be issued to VWM, which will be responsible for managing and overseeing the contract with Berglund.

Under this contract, Berglund will remove the two E&B tank hatches and cover the openings with stainless steel plates. Berglund will also replace the three Stack hatches with new stainless steel hatches and frames and perform required masonry repairs around the frames.

Consistent with the Extension Agreement for Management, Operations, and Maintenance with VWM, the purchase order includes \$24,432 of overhead and markup for VWM. This is in addition to the \$189,000 contract amount for Berglund, resulting in a total purchase order amount of \$213,432.

The duration of the contract is 120 days.

RESOLUTION

Authorizing the Executive Director to Execute a Purchase Order for Material Capital Repair or Replacements Nos. 1280 and 1310, Jones Island Water Reclamation Facility Hatch Replacements, Project J06075

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 Nos. 1280 and 1310, Jones Island Water Reclamation Facility Hatch Replacements, Project J06075, in an amount not to exceed \$213,432.