

**ELECTRONIC PACKET**

**April 12, 2021 OPERATIONS COMMITTEE MEETING**

**RELEASED: Monday, April 5, 2021**



# Milwaukee Metropolitan Sewerage District

260 West Seeboth  
Street  
Milwaukee, WI  
53204

## Meeting Agenda Operations Committee

*John Swan, III, Chair*  
*Bryan L. Kennedy, Ph.D., Vice Chair*  
*Dan Bukiewicz, LaTonya Johnson, Kris Martinsek*  
*Dan Devine, Ex-Officio*

Monday, April 12, 2021

9:00 AM

Teams Online Meeting/Conference Call

NOTICE IS HEREBY GIVEN, pursuant to Section 19.84, Wisconsin Statutes, that the Milwaukee Metropolitan Sewerage District's Operations Committee will hold its regularly scheduled public meeting on Monday, April 12, 2021, at 9:00 a.m. via Teams online meeting. The weblink to access this meeting is <https://tinyurl.com/35kctma5>; telephone dial-in is available through 414.909.9127, access code 555 536 819#.

PURSUANT TO SECTION 19.85(1)(g), Wisconsin Statutes, the Committee reserves the right to go into Closed Session on any item on the public portion of the agenda to confer with Legal Counsel when it appears the matter may involve the District in litigation. If the Committee does convene in such a Closed Session, it is contemplated that the Committee will again, before adjourning the meeting, reconvene at the same place in Open Session at which time the Committee may act upon any item(s) considered in the Closed Session and upon any unfinished items from the regular agenda.

### CALL TO ORDER

### RECORD ROLL

### Approval of Proceedings of Regular Committee Meeting held March 8, 2021

### ORGANIZATION & ADMINISTRATION

21-001-1 EXECUTIVE DIRECTOR'S REPORT

- A. Monthly Reports
- B. Green Luminaries (Bre Plier)


### NEW BUSINESS

- 1      21-042-4      Contracts for Bar Screen Repair and Replacement Parts at the Jones Island Water Reclamation Facility, Project J06075
- 2      21-043-4      Reject Bids for Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility

- 3      **21-044-4**      Change Order Request, Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, and Restore the Executive Director's Original Delegated Authority
- 4      **21-045-4**      Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director's Change Order Authority
- 5      **21-046-4**      Change Order Request, Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, and Restore the Executive Director's Original Delegated Authority
- 6      **21-047-4**      Award of Contract J06075C09, North Utility Pump Station Traveling Water Screens Replacement at Jones Island Water Reclamation Facility
- 7      **21-048-4**      Reject Bids for Contract J06075C11, Dilution & Mixing Tanks 1 & 2 Rehabilitation at Jones Island Water Reclamation Facility
- 8      **21-049-4**      Award of Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost
- 9      **21-050-4**      Change Order Request, Contract W98002C22, 2020-2021 Watercourse Maintenance Contract - Northeast Area
- 10     **21-051-4**      Change Order Request, Contract W98002C24, 2020-2021 Watercourse Maintenance Contract - Southeast Area
- 11     **21-052-4**      Award of Contract M03108P02, Planning Services - Impact of Water Levels on District Conveyance System Assets
- 12     **21-053-4**      Change Order Request, Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow Reduction Program

## ADJOURNMENT

PLEASE NOTE: Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals through sign language interpreters or other auxiliary aids. For additional information or to request these services, contact the Office of the Commission at 414.225.2264, (FAX) 414.277.6360 or write to Office of the Commission, 260 W. Seeboth Street, Milwaukee, Wisconsin, 53204-1446.



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Anna Kettlewell, Commission Secretary  
Milwaukee Metropolitan Sewerage District



# Milwaukee Metropolitan Sewerage District

260 West  
Seeboth Street  
Milwaukee, WI  
53204

## Meeting Minutes Operations Committee

*John Swan, III, Chair*  
*Bryan L. Kennedy, Ph.D., Vice Chair*  
*Dan Bukiewicz, LaTonya Johnson, Kris Martinsek*  
*Dan Devine, Ex-Officio*

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Monday, March 8, 2021

9:00 AM

Teams Online Meeting/Conference Call

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### CALL TO ORDER

*Committee Chair Commissioner Swan called the meeting to order at 9:00 a.m.*

### RECORD ROLL

**Present** 6 - Dan Bukiewicz, LaTonya Johnson, Bryan L. Kennedy Ph.D., Kris Martinsek, John Swan III, and Dan Devine

*Other Commissioners Present: Tim Carpenter, Chantia Lewis, Eugene Manzanet, Jeff Stone, and Corey Zetts.*

### Approval of Proceedings of Regular Committee Meeting held February 8, 2021

A motion was made by Commissioner Kennedy, seconded by Commissioner Bukiewicz. The motion carried by the following roll call vote:

**Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine

**No:** 0

### ORGANIZATION & ADMINISTRATION

#### 21-001-1 EXECUTIVE DIRECTOR'S REPORT

- A. Monthly Reports
- B. Green Luminaries (Bre Plier)
  - A. *No report.*
  - B. *This report was deferred until April.*

### NEW BUSINESS

*Items 1-9 were taken as a block.*

- 1     21-025-3     Award of Contract J01013C01, Preliminary Treatment Electrical Upgrade at Jones Island Water Reclamation Facility, Approve Changes in Total Project Cost, and Restore the Executive Director's Original Delegated Authority, Contract J01013D01
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
- 2     21-026-3     Award of Contract J04038C01, Jones Island Water Reclamation Facility Waste Heat Isolation and Flow Control Valve Replacement, and Approve Changes in Total Project Cost
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
- 3     21-027-3     Award of Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility, and Approve Changes in Total Project Cost
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- Commissioner Martinsek questioned for which firms interns would work on this project.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0

- 4     21-028-3           Contract S01013D01, Engineering Services - South Shore Water Reclamation Facility Primary Clarification Upgrade
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
- 
- 5     21-029-3           Change Order Request, Contract TS-2667, General On-Call Engineering Services - Water Reclamation Facilities, Restore the Executive Director's Original Delegated Authority, and Approve Changes in Total Project Cost, Project S02017
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
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- 6     21-030-3           Contract C05055D01, Engineering Services - North 35th Street and West Roosevelt Drive Improvements Project
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0

- 7     21-031-3           **Contract TS-2682, On-Call Construction Services for Sewer Repair and Rehabilitation Projects**
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
- 8     21-032-3           **Contract TS-2683, On-Call Levee System Engineering and Accreditation Services, Project W20033**
- The Committee received a PowerPoint presentation from Michael Martin, Director of Technical Services.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0
- 9     21-033-3           **Approval of Funding Agreement M10005WE01 Under Project M10005, 2021 City of West Allis Private Property Infiltration and Inflow Reduction Project**
- The Committee received a PowerPoint presentation from Karen Sands, Director of Planning, Research, and Sustainability.*
- A motion was made by Commissioner Kennedy, seconded by Commissioner Johnson, that this matter be approved by a roll call vote. The motion carried by the following roll call vote:**
- Yes:** 6 - Commissioner Bukiewicz, Commissioner Johnson, Commissioner Kennedy Ph.D., Commissioner Martinsek, Commissioner Swan III and Commissioner Devine
- No:** 0

## ADJOURNMENT

*It was moved by Commissioner Martinsek, seconded by Commissioner Kennedy, to adjourn. The motion carried by a unanimous roll call vote.*

*As there was no further business, the meeting was adjourned at 10:00 a.m.*





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Anna Kettlewell, Commission Secretary  
Milwaukee Metropolitan Sewerage District

**OPERATIONS COMMITTEE MEETING**

**April 12, 2021**

**EXECUTIVE DIRECTOR'S REPORT**

**21-001-01**

- A. Monthly Reports**
- B. Green Luminaries (Bre Plier)**



**COMMISSION FILE NO:** 21-042-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Contracts for Bar Screen Repair and Replacement Parts at the Jones Island Water Reclamation Facility, Project J06075

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute one or more contracts with Huber Technology, Inc., (Huber) for the supply of bar screen repair and replacement parts at the Jones Island Water Reclamation Facility (JIWRF) in a total amount not to exceed \$575,000. This is a sole source request, as Huber is the original bar screen supplier and the only firm able to provide the proper repair and replacement parts.

At JIWRF, eight bar screens are used to screen rags, large solids, and other debris from plant influent. Depending upon flows and influent solids loads, six (and at times seven) screens are in service to maintain full plant capacity of 330 million gallons per day (MGD). Each bar screen is a series of vertical bars spaced one quarter inch apart, mounted to a stationary frame. The bars are mounted to the frame in groups or racks. To remove screenings, each bar screen uses a series of chain driven rakes that travel vertically upward along the front face of the bar screen. The rakes carry the screenings out of the wastewater and discharge them into a wash press. The wash press cleans the screenings, then squeezes them dry before discharging to screw conveyors. These conveyers carry the compressed screenings to roll off containers, which are then hauled to a landfill.

The existing bar screen equipment, which was supplied by Huber as part of a District construction contract, has been in service since 2013. The equipment has experienced significant wear, and large debris has damaged some of these screens. Due to this wear and damage, over the past several months, three bar screens (#3, #4, and #6) have been taken out of service. In addition, bar screen #8 is in very poor condition and is only available on a limited, emergency basis. During this time, Veolia Water Milwaukee (VWM) has had to reduce JIWRF wet weather capacity.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Auth\_Purchase\_Bar\_Screen\_Repairs\_legislative\_file.docx  
03-25-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

### Contracts for Bar Screen Repair and Replacement Parts at the Jones Island Water Reclamation Facility, Project J06075

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Two of these three units (#3 and #5) has recently been repaired and restored to service. While this provides nominal screening capacity of 330 MGD, there is now no redundancy. Bar screen #6 needs to be replaced and remains out of service.

As District staff and VWM worked with Huber to identify the scope of repairs on units #3, #5, and #6, Huber inspected all the other bar screens. This inspection identified the need to perform rehabilitation and repairs on all the remaining bar screens.

Rehabilitation and repair of screens #1, #2, #4, #7, and #8 consist of replacing multiple parts on each screen. In addition, as previously stated, screen #6 needs to be replaced.

Due to the nature of the equipment, only Huber parts will work with the bar screens. As most of these parts are long lead items, staff proposes to directly procure the parts and the new screen from Huber. Separately, staff will prepare a bid document with a scope consisting of replacing the existing parts and the #6 screen with the new Huber parts and screen (procured and supplied by the District). That bid document will be publicly advertised and bid, and staff will seek Commission authorization of its award.

The Huber parts being procured under this Commission request come from three different Huber manufacturing and supply locations. Huber has requested that the District issue three different purchase orders to procure the parts. As of the writing of this document, District staff was still determining if fulfilling Huber's request with one purchase contract would suffice (with three purchase orders issued off the single contract) or if three separate contracts and purchase orders will be necessary.

Parts and screen delivery timeframes vary depending upon the equipment but range from 12 to 34 weeks.

Each repair or replacement is considered a Material Capital Repair or Replacement (MCRR) under the terms of the Management, Operations, and Maintenance agreement with VWM. Following are the MCRR numbers associated with each screen.

<b>Bar Screen #</b>	<b>MCRR #</b>	<b>Repair or Replace</b>
1	1441	Repair
2	1442	Repair
4	1443	Repair
6	1425	Replace
7	1444	Repair
8	1438	Repair

## RESOLUTION

Contracts for Bar Screen Repair and Replacement Parts at the Jones Island Water Reclamation Facility, Project J06075

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute one or more contracts with Huber Technology, Inc., in a total amount not to exceed \$575,000, for Project J06075.



**Capital Budget Fiscal Note**  
**Total Project Cost**

**RELATING TO:**

Contracts for Bar Screen Repair and Replacement Parts at the Jones Island Water Reclamation Facility, Project J06075

<b>Capital Project Number(s)</b>	<b>Impact of Requested Action on Total Project Cost:</b>		
<u>J06075</u>	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	\$15,628,145
Previously Approved Changes	\$0
Approved Total Project Cost	\$15,628,145
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

<b>Action to be taken to Long-Range Financing Plan to address Total Project Cost change</b>	
_____	Transfer from Allowance for Cost and Schedule Changes
_____	Transfer from another project (specify in comments)
_____	Delay Project(s) (specify in comments)
_____	Delete Project(s) (specify in comments)
_____	Other _____
_____	Transfer to Allowance for Cost and Schedule Changes

**Comments**

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>3/16/2021</u>



**COMMISSION FILE NO:** 21-043-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Reject Bids for Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility

**SUMMARY:**

The Commission is requested to authorize and direct the Executive Director to reject all bids for Contract J04061C01, Programmable Logic Control (PLC) 5 Upgrade in the Dewatering and Drying (D&D) Facility.

The District's D&D Facility houses equipment utilized to produce Milorganite®. Twenty-four belt filter presses dewater plant sludges, and 12 rotary dryers dry the dewatered sludge. Dried solids are classified using screens and mills to create a consistent Milorganite® product size. Product is cooled and placed into storage bins to await transport to the Milorganite® Storage Building. The D&D Facility also contains conveyors, bucket elevators, holding tanks, air emissions equipment, and other supporting systems. The D&D Facility has been in use since 1994.

Approximately 66 PLC's are distributed throughout the D&D Facility and provide localized control of equipment. A PLC is an industrial computer designed specifically for the control of manufacturing processes in challenging environments. The existing set of PLC's (Allen Bradley PLC5) were installed in 1994. Rockwell Automation, the parent company of Allen Bradley, announced that the PLC5 product line has reached its end of life; they have discontinued manufacturing new parts, and equipment repair will depend solely upon existing parts inventory. This creates a situation where, without replacement, the District's D&D control system will ultimately be unable to control the D&D Facility.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Reject\_J04061C01\_PLC5\_Upgrade\_legislative\_file.docx  
03-25-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

### Reject Bids for Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility

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It is critical that PLC control equipment be functional and maintainable for the continued operation of the D&D Facility. The purpose of this project is to replace the existing PLC5 control platform and accompanying control equipment with a modern, serviceable control platform and equipment. The improved functionality of the new control equipment will provide enhanced performance, fault tolerance, and safety. To achieve the project purpose, the District and its contracted engineering consultant developed a bid package (Contract J04061C01) to perform upgrades to the PLC control equipment.

The District publicly advertised and received bids for this contract in February 2021. The District received four bids as shown below. All bidders were initially determined to be responsive and responsible.

<b>Bidder</b>	<b>Bid Amount</b>
Allan Integrated Control Systems, Inc.	\$1,499,642
NEXT Electric, LLC	\$4,185,370
Symbiont	\$4,749,758
Integrated Process Solutions, Inc.	\$5,940,944

On March 8, 2021, the Operations Committee recommended the Commission authorize and direct the Executive Director to execute Contract J04061C01 with Allan Integrated Control Systems, Inc. (Allan ICS). On March 15, Allan ICS informed the District that they were unable to secure the performance bond required to execute the construction contract due to the considerable difference between Allan ICS's bid and the other bidders. District staff worked with Allan ICS and their surety to satisfy both the District's bonding requirements and Allan ICS's surety; however, Allan ICS informed the District that their surety withdrew their offer to bond the contract and that they were unable to secure a bond elsewhere. Thus, Allan ICS is non-responsible and unable to execute the contract.

District staff recommends that the Commission reject all bids. If the Commission rejects all bids, staff will then prepare a modified bid document, identify and inform potential bidders, readvertise, and rebid this contract. Staff believes that rebidding the project will result in cost savings as compared to awarding the contract to the second lowest bidder.



## **RESOLUTION**

Reject Bids for Contract J04061C01, Programmable Logic Control 5 Upgrade  
in the Dewatering and Drying Facility

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized and directed to reject the bids for Contract J04061C01, Programmable Logic Control 5 Upgrade in the Dewatering and Drying Facility.



**COMMISSION FILE NO:** 21-044-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Change Order Request, Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, and Restore the Executive Director’s Original Delegated Authority

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute a change order to Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, with Symbiont Science, Engineering and Construction, Inc., (Symbiont) in an amount not to exceed \$25,535 and to restore the Executive Director’s original delegated authority.

Within the Drying and Dewatering (D&D) Facility, the District produces bulk Milorganite® by heat drying dewatered biosolids in 12 rotary dryers, then screening, classifying, and cooling the product. After cooling, Milorganite® is weighed and transferred to four day bins in the D&D Facility via bucket elevators and screw conveyors. A dense phase pneumatic transport system conveys Milorganite® from the day bins to storage silos in the Milorganite® Storage Facility (MSF). The MSF contains 14 silos arranged in two banks of seven silos. A dust collection system serves the conveyance and storage facilities.

Most of the equipment was installed in 1994 as part of the original D&D Facility construction. The equipment has reached the end of its useful service life, and staff recommends replacement. Inadequate performance of the transport equipment has reduced system reliability and efficiency. The transport system has experienced decreased capacity and increased maintenance. The transport system is a single point of failure element between the D&D Facility and the MSF.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Change\_Order\_J04072D01\_Restore\_Authority\_legislative\_file.docx  
03-19-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## **SUMMARY (Cont'd)**

### **Change Order Request, Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, and Restore the Executive Director's Original Delegated Authority**

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The dense phase pneumatic transport system conveys Milorganite® from the day tanks to the storage silos using compressed air through a series of piping and valves. The condition and reliability of the Milorganite® transporter equipment has deteriorated over time. Recently, issues with all four transporters have resulted in accumulation of product in the day tanks and have required reduction of in-service dryers due to lack of storage space for daily Milorganite® production.

To address these issues, the District has taken the following actions:

- As part of the 2020 capital budget process, created a new capital Project J04072, Milorganite® Transport and Silo Storage Equipment Replacement.
- In March 2020, issued purchase order 11178 to Veolia Water Milwaukee to replace transporter equipment that needs addressed in the short term.
- In April 2020, contracted with Symbiont (Contract J04072D01) to perform engineering design services of long-term improvements and replacement of equipment from immediately downstream of the Milorganite® product coolers to the silos and includes equipment associated with the silos. This includes the transporter equipment. The construction phase of this project will be publicly bid and begin sometime in the next year.

Staff is coordinating the scopes of the two efforts to ensure there is no unnecessary duplication of work.

As Symbiont's engineering design progressed under Contract J04072D01, staff identified additional items recommended to include in Symbiont's scope of services and is requesting authorization of a change order to include these scope items. This work consists of incorporating abandonment of multiple air handling systems within the facility (fans and blowers, ductwork, piping, and enclosures) and proper seal-off of voids in floors and walls into the plans and specifications.

**SUMMARY (Cont'd)**

Change Order Request, Contract J04072D01, Engineering Services – Milorganite®  
Fertilizer Transport and Silo Storage Equipment Replacement, and Restore the  
Executive Director's Original Delegated Authority

	<b>AMOUNT</b>	<b>PERCENTAGE INCREASE OVER ORIGINAL CONTRACT</b>	<b>AUTHORIZED BY</b>	<b>SWMBE</b>
Original Contract	\$549,993.50		Commission	33.9%
Previous Change Orders	\$54,754.50	10.0%	Executive Director	24.2%
Requested Change Order	\$25,535.00	4.6%	Request of Commission	35.9%
Total Change Orders	\$80,289.50	14.6%		27.9%
<b>TOTAL</b>	<b>\$630,283.00</b>			<b>33.1%</b>

For engineering service contracts greater than or equal to \$500,000, the Commission has delegated to the Executive Director the authority to make changes up to \$200,000 or 10 percent of the original contract price, whichever is less. For this contract, a limit of \$54,999 prevails. To date, the Executive Director has utilized \$54,754 of this authority, leaving a balance of \$245. The request to restore the Executive Director's authority is in case any other additional engineering services are needed.

## RESOLUTION

Change Order Request, Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, and Restore the Executive Director's Original Delegated Authority

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, with Symbiont Science, Engineering and Construction, Inc., in an amount not to exceed \$25,535, and that the Executive Director's original delegated authority is restored.



**Capital Budget Fiscal Note**  
**Total Project Cost**

**RELATING TO:**

Change Order Request, Contract J04072D01, Engineering Services – Milorganite® Fertilizer Transport and Silo Storage Equipment Replacement, and Restore the Executive Director’s Original Delegated Authority

<b>Capital Project Number(s)</b>	<b>Impact of Requested Action on Total Project Cost:</b>		
<u>J04072</u>	<input type="checkbox"/> Increase	<input type="checkbox"/> Decrease	<input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	\$5,655,400
Previously Approved Changes	\$0
Approved Total Project Cost	\$5,655,400
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

<b>Action to be taken to Long-Range Financing Plan to address Total Project Cost change</b>	
_____	Transfer from Allowance for Cost and Schedule Changes
_____	Transfer from another project (specify in comments)
_____	Delay Project(s) (specify in comments)
_____	Delete Project(s) (specify in comments)
_____	Other _____
_____	Transfer to Allowance for Cost and Schedule Changes

**Comments**

Budget Review by:	Date:
<u>Theresa Zwieg</u>	<u>3/11/2021</u>



**COMMISSION FILE NO:** 21-045-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director’s Change Order Authority

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute a change order to Purchase Order Number 11178, Material Capital Repair or Replacement (MCRR) No. 1311, Jones Island Water Reclamation Facility (JIWRF) Dewatering and Drying (D&D) Milorganite® Transporters 1-4 Repairs, with Veolia Water Milwaukee, LLC, (VWM) in an amount not to exceed \$21,184.

Further, the Commission is requested to delegate \$50,000 in change order authority to the Executive Director for future change orders to Purchase Order 11178, MCRR 1311.

Within the D&D Facility, the District produces Milorganite® by heat drying dewatered biosolids in 12 rotary dryers, then screening, classifying, and cooling the product. After cooling, Milorganite® is weighed and transferred to four day bins in the D&D Facility via bucket elevators and screw conveyors. A dense phase pneumatic transport system then conveys Milorganite® from the day bins to storage silos in the Milorganite® Storage Facility (MSF). The MSF contains 14 silos arranged in two banks of seven silos. A dust collection system serves the conveyance and storage facilities.

Most of the equipment was installed in 1994 as part of the original D&D Facility construction. The equipment has reached the end of its useful service life, and staff recommends replacement. Inadequate performance of the transport equipment has reduced system reliability and efficiency. The transport system has experienced decreased capacity and increased maintenance. The transport system is a single point of failure element between the D&D Facility and the MSF.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Auth\_Purchase\_MCRR\_1311\_Milorganite\_Transporters\_legislative\_file.docx  
03-19-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director's Change Order Authority

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The dense phase pneumatic transport system conveys Milorganite® from the day tanks to the storage silos using compressed air through a series of piping and valves. The condition and reliability of the Milorganite® transporter equipment has deteriorated over time. Recently, issues with all four transporters have resulted in accumulation of product in the day tanks and has required reduction of in-service dryers due to lack of storage space for daily Milorganite® production.

To address these issues, the District has taken the following actions:

- As part of the 2020 capital budget process, created new capital Project J04072, Milorganite® Transport and Silo Storage Equipment Replacement.
- In March 2020, issued purchase order 11178 to Veolia Water Milwaukee to replace transporter equipment that needs addressed in the short term.
- In April 2020, contracted with Symbiont (Contract J04072D01) to perform engineering design services of long-term improvements to and replacement of equipment from immediately downstream of the Milorganite® product coolers to the silos and includes equipment associated with the silos. This includes the transporter equipment. The construction phase of this project will be publicly bid and begin sometime in the next year.

Staff is coordinating the scopes of the two efforts to ensure there is no unnecessary duplication of work.

The original scope of work under Purchase Order 11178 included the following:

- Purging the air supply header from end to end to clean out excess Milorganite® and dust.
- Replacing approximately 140 different types of valves on the four transporter systems.
- Inspecting the select sections of transport piping for internal wear.

Under the Executive Director's authority, the District issued this purchase order to VWM in amount of \$232,661. VWM subcontracted the construction to Butters Fetting Co., Inc., (Butters) and VWM is responsible for managing the Butters contract.



## SUMMARY (Cont'd)

Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director's Change Order Authority

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Butters started this work in October 2020 during the annual planned D&D shutdown. As the work progressed, Butters, the District, and VWM identified additional components beyond the original scope that need replacement. Following are the components that will be procured and replaced under this requested change order:

- 24 booster valve assemblies
- Four two-inch solenoid valves
- One 1.5-inch solenoid valve
- Four six-inch inlet pipe sections

Replacement will occur during planned D&D shutdowns in June and October 2021.

The total cost to procure and install the additional parts is \$21,184 (including VWM markup).

### PURCHASE ORDER COST CHANGES

<b>PURCHASE ORDER</b>	<b>AMOUNT</b>	<b>PERCENT INCREASE OVER ORIGINAL PURCHASE ORDER</b>	<b>AUTHORIZED BY</b>	<b>SWMBE*</b>
Original	\$232,660.19		Executive Director	9.3%
Change Order No. 1	\$21,183.23	9.1%	Request of Commission	1.4%
Total Amendments	\$21,183.23	9.1%		
<b>TOTAL</b>	<b>\$253,843.41</b>			<b>8.6%</b>

\*Small, Women, and Minority-owned Business Enterprise (SWMBE) participation shown is for contract between VWM and Butters and does not include VWM markup.

This change order will not affect the original project schedule.

## **SUMMARY (Cont'd)**

Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director's Change Order Authority

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The original contract amount of \$232,661 awarded by the Executive Director leaves \$17,339 in remaining change order authority before Commission action is necessary. This contract includes critical work during the planned 2021 D&D shutdowns. If a contract change is needed above this remaining change order authority, it could prevent the contractor from completing work for an extended period while staff seeks Commission approval for the change and waits on an additional D&D shutdown; therefore, staff requests to delegate \$50,000 in change order authority to the Executive Director for potential future changes associated with this purchase order. Any changes above \$50,000 would still need to obtain Commission approval.

The rationale for the \$50,000 is that Commission Policy 1-78.02, Contracts, delegates change authority to the Executive Director in an amount up to \$50,000 for contracts approved by the Commission with an original amount of less than \$500,000. Because this purchase order did not require Commission approval, it does not automatically have \$50,000 in change authority.

## RESOLUTION

Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director's Change Order Authority

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, with Veolia Water Milwaukee, LLC, in an amount not to exceed \$21,184.

**FURTHER RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is delegated \$50,000 in change order authority for future change orders to Purchase Order Number 11178, Material Capital Repair or Replacement No. 1311.



## O&M Budget Fiscal Note

**RELATING TO:**

Change Order Request, Purchase Order No. 11178, Material Capital Repair or Replacement No. 1311, Jones Island Water Reclamation Facility Dewatering and Drying Milorganite® Transporters 1-4 Repairs, and Executive Director's Change Order Authority

<b>Cost Center:</b> OCC _____	<b>Line Item:</b> 671 _____
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<b>Line Item Impact</b>			
2021 Original Budget		\$3,500,000	
Carryovers or Transfers		\$0	
Adjusted Budget		\$3,500,000	
Estimated Annual Expenditure including Request		\$3,500,000	
Anticipated Year End Balance		\$0	
Actual Year to Date Expenditures Through		NA	
For unfavorable Year End Balance, identify funding source: <input type="checkbox"/> Absorbed within the Division			
<input type="checkbox"/> Other Division			
<input type="checkbox"/> Unallocated Reserve			
<b>Anticipated Expenditure Timing</b>			
	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact
Current Year (2021)	\$21,184	\$0	\$21,184
Subsequent	\$0	\$0	\$0
Total Cost	\$21,184	\$0	\$21,184

**Comments:**

Budget Review by:	Date
Theresa Zwieg _____	3/12/2021 _____



**COMMISSION FILE NO:** 21-046-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Change Order Request, Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, and Restore the Executive Director’s Original Delegated Authority

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute a change order to Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, with Symbiont Science, Engineering and Construction, Inc., (Symbiont) in an amount not to exceed \$44,057, and to restore the Executive Director’s original delegated authority.

The District produces Milorganite® at the Jones Island Water Reclamation Facility (JIWRF) to beneficially reuse biosolids recovered from wastewater as part of the treatment process. Milorganite® is packaged in five- and 32-pound bags for sale at retail outlets and packaged into 50-, 1,000- and 2,000-pound bags for professional use. The District currently uses a contracted vendor, Kinder Morgan, to package and store bagged Milorganite® before distribution to the market. Kinder Morgan leases space from the Port of Milwaukee (Port) near JIWRF and owns and operates the packaging/bagging equipment. Leased space includes an area for bagged Milorganite® storage.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Change\_Order\_J04074E01\_Restore\_Authority\_legislative\_file.docx  
03-19-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

Change Order Request, Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, and Restore the Executive Director's Original Delegated Authority

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In 2019, the Port notified the District and Kinder Morgan that their strategic plan indicates that Kinder Morgan's facilities are better suited to water-related commerce and that they desire to have Milorganite® packaging and storage occur at another location. District staff have since considered the option of owning and operating a packaging facility and recognize that there are advantages over the current method of contracted packaging. A new District-owned packaging facility provides the District with the following advantages:

- District obtains control over all aspects of packaging and storage, including costs, production output, equipment reliability, and production contamination risks.
- A new packaging facility will allow the District to utilize environmentally friendly packaging materials.

To begin the process of the District developing a new packaging facility, in March 2020, the District awarded Contract J04074E01 to Symbiont in an amount of \$337,384. The scope of Contract J04074E01 includes:

- Evaluating potential sites for locating a new facility.
- Developing and evaluating alternative building types and layouts.
- Identifying and evaluating type, capacity, size, quantities, and locations of packaging equipment within a new facility.
- Preparing a preliminary engineering report that clearly defines the overall preferred alternative.

The District, in conjunction with the Port, identified several potential sites on Jones Island to locate and construct a new packaging facility. Symbiont performed evaluations of these sites and identified two sites owned by the Port that were preferred for a new packaging facility. The District initiated discussions with the Port to purchase one of the two sites. Ultimately the District and Port were unable to successfully identify a Port-owned property that would meet the needs of both. The District subsequently authorized Symbiont to perform a high level screening of non-Port-owned sites for a new packaging facility and has identified some potential non-Port-owned sites.

Under the scope of this proposed change order, Symbiont will perform a detailed evaluation of up to three viable, non-Port-owned sites identified during the high level screening. One of these sites includes an existing District structure (Inline Solids Handling Facility) at JIWRf that is currently unused.

### SUMMARY (Cont'd)

Change Order Request, Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, and Restore the Executive Director's Original Delegated Authority

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As this detailed evaluation is developed, it is planned that the District can identify a final site upon which to place a new packaging facility. Once this site is selected, the District would then proceed to procure the site (if needed). District staff would also then proceed to develop and issue a new request for proposals that will include architectural and engineering services for the final design of the new facility.

	AMOUNT	PERCENTAGE INCREASE OVER ORIGINAL CONTRACT	AUTHORIZED BY	SWMBE
Original Contract	\$337,384		Commission	22.2%
Previous Change Orders	\$49,492	14.7%	Executive Director	41.2%
Requested Change Order	\$44,057	13.0%	Request of Commission	1.7%
Total Change Orders	\$93,549	27.7%		22.6%
<b>TOTAL</b>	<b>\$430,933</b>			<b>22.3%</b>

For engineering service contracts under \$500,000, the Commission has delegated to the Executive Director the authority to make changes up to \$50,000. To date, the Executive Director has utilized \$49,492 of this authority, leaving a balance of \$508. The request to restore the Executive Director's authority is in case any other additional preliminary engineering services are needed.

## RESOLUTION

Change Order Request, Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, and Restore the Executive Director's Original Delegated Authority

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, with Symbiont Science, Engineering and Construction, Inc., in an amount not to exceed \$44,057, and that the Executive Director's original delegated authority is restored.





## Capital Budget Fiscal Note Total Project Cost

**RELATING TO:**

Change Order Request, Contract J04074E01, Preliminary Engineering – Milorganite® Fertilizer Packaging Facility, and Restore the Executive Director's Original Delegated Authority

**Capital Project Number(s)**

J04074

**Impact of Requested Action on Total Project Cost:**

Increase     Decrease     New Project     No Change

**Total Project Cost Analysis**

Adopted 2021 Total Project Cost  
Previously Approved Changes  
Approved Total Project Cost  
Requested Total Project Cost  
Requested (Increase)/Decrease

**Project Costs**

\$23,825,000  
\$0  
\$23,825,000  
n/a  
\$0

**Action to be taken to Long-Range Financing Plan to address Total Project Cost change**

\_\_\_\_\_ Transfer from Allowance for Cost and Schedule Changes  
\_\_\_\_\_ Transfer from another project (specify in comments)  
\_\_\_\_\_ Delay Project(s) (specify in comments)  
\_\_\_\_\_ Delete Project(s) (specify in comments)  
\_\_\_\_\_ Other \_\_\_\_\_  
\_\_\_\_\_ Transfer to Allowance for Cost and Schedule Changes

**Comments**

Budget Review by:

Theresa Zwieg

Date:

3/11/2021



**COMMISSION FILE NO:** 21-047-4 **DATE INTRODUCED:** April 12, 2021

**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 J06075C09, North Utility Pump Station Traveling Water Screens Replacement at Jones Island Water Reclamation Facility

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract J06075C09, North Utility Pump Station (NUPS) Traveling Water Screens Replacement at Jones Island Water Reclamation Facility (JIWRF), to Doral Corporation (Doral) in the amount of \$470,000. Doral was the lower responsible, responsive bidder between two bids received.

River water is used as cooling water for process air compressors, gas turbines, and the powerhouse. River water is also used for fire protection. The river water is taken from the Kinnickinnic River. Two traveling water screens in the NUPS are used to remove debris from the river water. If debris is not removed from the river water, it can clog downstream pumps and cause premature failure of the pumps, as well as potentially clogging piping and equipment in the treatment plant system.

The traveling water screens remove debris by rotating screens through the open channel and back to the surface. As the screens travel to the surface, a sprayer cleans debris off the screens and into a concrete refuse trough.

These screens were installed in 1990 and have reached the end of their useful service life. The screens have significant wear on shaft assemblies, carrier chains, track guides, and seal plates. In addition, the frames of the traveling water screens have corroded to the point of being unrepairable. The purpose of this project is to restore the reliability of the river water cooling system for at least another 20 years.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Award\_J06075C09\_NUPS\_Traveling\_Screens\_legislative\_file.docx  
03-12-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## **SUMMARY (Cont'd)**

Award of Contract J06075C09, North Utility Pump Station Traveling Water Screens  
Replacement at Jones Island Water Reclamation Facility

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Under this contract, Doral will replace the existing bar screen system, which includes two traveling water screens, motors, gear drives, and connecting plumbing, electrical, and other fixtures.

The contract duration is 180 days.

## RESOLUTION

Award of Contract J06075C09, North Utility Pump Station Traveling Water Screens Replacement at Jones Island Water Reclamation Facility

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract J06075C09, North Utility Pump Station Traveling Water Screens Replacement at Jones Island Water Reclamation Facility, is awarded to Doral Corporation in the amount of \$470,000, and that the Executive Director is directed to execute a contract on behalf of the District.



**Award of Contract J06075C09, North Utility Pump Station Traveling Water Screens Replacement at Jones Island Water Reclamation Facility**



**Procurement & S/W/MBE Summary Information**

**Contract #**                     J06075C09                     **Cost Center:**           OCC          

**North Utility Pump Station Traveling Water Screens Replacement at Jones Island Water Reclamation Facility**

**BID SUMMARY**

Bid Opening Date:           2/23/2021          

	<b>Total</b>	<b>SWMBE</b>	<b>Local</b>
# of Bids	2	0	1
# of Responsive Bids	2	0	1

<b>Bidders</b>	<b>Price</b>	<b>Responsive?</b>	<b>Responsible?</b>	<b>% Sub</b>	<b>% SWMBE</b>
Doral Corporation Milwaukee, WI 53207	\$470,000.00	Responsive	Responsible	9.1%	0.5%
J.F. Ahern Co. Fond du Lac, WI 54935	\$532,640.00	Responsive	Responsible	2.6%	0.4%

**SUBCONTRACTOR INFORMATION**

<b>Type</b>	<b>Subcontractor Name</b>	<b>Type of Work</b>	<b>%</b>	<b>Amount</b>
WBE	Porta Painting Waukesha, WI 53189	Painting	0.5%	\$2,255.00
Non-SWMBE	Lee Plumbing Mechanical Contractors, Inc. Kenosha, WI 53140	Piping	6.1%	\$28,698.00
Non-SWMBE	Next Electric, LLC Waukesha, WI 53186	Electrical	2.5%	\$11,850.00

**ECONOMIC DEVELOPMENT ELEMENTS**

Workforce Requirements

Sanitary Sewer Service Area (SSSA)  
Employment:                     45%                    

Target Area (TA) Employment:                     20%                    

# Apprentices Required:                     0

## OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter and sent an e-mail notification to all registered firms in the Construction category. The bid opportunity is also publicly accessible from the MMSD website and Quest CDN. Quest CDN also performs outreach to its users when a bid is posted.

S/W/MBE Planholders:

Crane Engineering Sales; Platt Construction; Sabel Mechanical

If no or low S/W/MBE participation, explain why:

Over 60% of the contract is materials and equipment, leaving limited opportunities for SWMBE participation. Doral Corporation reached out to four (4) S/W/MBE firms for the painting and electrical scopes of work.

Additional Comments:

n/a

## AWARDEE INFORMATION

Company:	<u>Doral Corporation</u>
Contact Person:	<u>Calvin Czajka</u>
Phone Number:	<u>(414) 531-4843</u>
E-mail Address:	<u>Calvin.Czajka@doralcorp.net</u>

## EEO DATA

	427 E. Stewart Street			
Location:	<u>Milwaukee, WI 53207</u>		Total # of Employees	<u>186</u>
	<b>Total</b>	<b>%</b>	<b>Total</b>	<b>%</b>
<b>Minorities</b>	<u>42</u>	<u>22.6%</u>	<b>Females</b>	<u>7</u> <u>3.8%</u>
African American	<u>6</u>	<u>3.2%</u>	African American	<u>0</u> <u>0.0%</u>
Asian	<u>1</u>	<u>0.5%</u>	Asian	<u>1</u> <u>0.5%</u>
Hispanic	<u>33</u>	<u>17.7%</u>	Hispanic	<u>0</u> <u>0.0%</u>
Native American	<u>2</u>	<u>1.1%</u>	Native American	<u>0</u> <u>0.0%</u>
	<i>Labor Market Availability - Minorities</i>	<u>55.0%</u>	<i>Labor Market Availability - Females</i>	<u>52.0%</u>



**COMMISSION FILE NO:** 21-048-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Reject Bids for Contract J06075C11, Dilution & Mixing Tanks 1 & 2 Rehabilitation at Jones Island Water Reclamation Facility

**SUMMARY:**

The Commission is requested to authorize and direct the Executive Director to reject all bids for Contract J06075C11, Dilution & Mixing Tanks 1 & 2 Rehabilitation at Jones Island Water Reclamation Facility (JIWRF).

JIWRF produces primary sludge, which comes from the primary clarification process. Operations at times will pump this primary sludge through the Interplant Sludge (IPS) to the South Shore Water Reclamation Facility to be digested. To facilitate pumping through the IPS pipeline, prior to pumping, the primary sludge is diluted in two dilution and mixing tanks.

These two tanks are 10-foot diameter by 14.5-foot tall and fabricated from steel. They were originally installed in 1984 and have been in use ever since. The tanks have been recoated since. Given the condition of the interior coating systems, staff recommends recoating the tanks. In March 2021, the District publicly advertised and bid Contract J06075C11. This contract consisted of recoating both tanks interiors with an epoxy material.

The District received one bid for this contract from Lee Mechanical, Inc., (Lee) in the amount of \$264,650. Lee's bid was both responsive and responsible; however, the bid came in significantly higher than the District's estimate for this contract. Staff recommends rejecting this bid and rebidding the contract.

Staff believes that some bid document modifications and clarifications may result in additional bidder interest. Staff will modify the bid documents, identify and inform potential bidders of the contract, readvertise, and publicly bid this reconfigured contract.

**ATTACHMENTS:** **BACKGROUND**  **KEY ISSUES**  **RESOLUTION**   
**FISCAL NOTE**  **S/W/MBE**  **OTHER**  \_\_\_\_\_

*OP\_Reject\_J06075C11\_Dilution\_Mixing\_Tanks\_legislative\_file.docx  
03-25-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_



## **RESOLUTION**

Reject Bids for Contract J06075C11, Dilution & Mixing Tanks 1 & 2 Rehabilitation at Jones Island Water Reclamation Facility

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized and directed to reject the bids for Contract J06075C11, Dilution & Mixing Tanks 1 & 2 Rehabilitation at Jones Island Water Reclamation Facility.



**COMMISSION FILE NO:** 21-049-4 **DATE INTRODUCED:** April 12, 2021

**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 S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost

**SUMMARY:**

The Commission is requested to award and direct the Executive Director to execute on behalf of the District Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility (SSWRF), to Lee Plumbing Mechanical Contractors, Inc., (Lee) in the amount of \$2,272,206. Lee was the lowest responsible, responsive bidder between two bids received.

Further, the Commission is requested to decrease the total project cost (TPC) for Project S02008, South Shore Capacity Improvements, by \$1,221,001 for an amended TPC of \$6,218,000 and to make a corresponding change to the TPC for Project M99001, Allowance for Cost and Schedule Changes.

The activated sludge process of wastewater treatment involves growing microorganisms, which then consume the waste organic material in the wastewater. The microorganisms are grown and consume waste in the aeration basins, but then must be separated from the wastewater prior to disinfecting the water and discharging it to the lake. Secondary clarifiers perform this separation by allowing the microorganisms to settle to the bottom, where they can be removed.

There are 24 total secondary clarifiers at SSWRF, divided into two groups based on when they were built. Clarifiers 1-16 were built in the early 1970's and are collectively called the Front Clarifiers. Clarifiers 17-24 were built in the early 1980's and are collectively called the Back Clarifiers.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Award\_S02008C05\_legislative\_file.docx  
03-24-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

### Award of Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost

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The District has tested the performance (as measured by total suspended solids removal and sludge settling rates) of the Front Clarifiers. This testing indicated that performance of the Front Clarifiers is not as good as the Back Clarifiers. District staff and an engineering consultant identified that performance of the Front Clarifiers could be improved by modifying the way in which the flow from the aeration basins is discharged into the secondary clarifiers. This modification involves replacing existing target baffles and skirts with those of a different design and plugging some inlet orifices.

The District installed the target baffle and skirt modifications in one clarifier (#16) as a pilot installation and then compared its performance to an adjacent unmodified clarifier (#14). The pilot testing confirmed that the modifications are worthwhile, and staff recommends modifying the remaining 15 Front Clarifiers with improved target baffles and skirts. In addition, staff recommends plugging the inlet orifices on all 16 Front Clarifiers.

At SSWRF, flow control to the clarifiers is generally managed by use of weirs. The SSWRF weirs are metal plates with v-shaped notches, set at specific elevations around the lip of the clarifier. The Front Clarifier weirs are all set at one elevation, and the Back Clarifiers are set at a different elevation. The weir on each clarifier consists of 40 individual metal plates that have been bolted onto the concrete clarifier effluent channel.

Over time, the individual metal plate components of the effluent weirs in each clarifier have shifted, and the clarifiers have settled. This has resulted in differences in weir elevations between clarifiers and differences between plates within clarifiers. The differences in weir elevations result in unequal flow distribution between and within clarifiers. Higher flows passing through clarifiers can result in reduced settling time in the clarifier and more solids passing through the clarifiers and discharged in the plant effluent.

The Front Clarifier weirs are not adjustable to the extent needed to set all Front Clarifier weirs at the same elevation; therefore, staff recommends that all Front Clarifier weirs be replaced with new weirs set at one elevation with more room to make future adjustments, if needed.

The purpose of this project is to improve Front Clarifier performance and, thus, overall SSWRF plant effluent quality and capacity.

Under Contract S02008C05, the contractor will:

- Remove and replace the target baffles and skirts in 15 front secondary clarifiers.
- Remove and replace the weirs in 16 front secondary clarifiers.
- Provide new orifice plugs for 16 front secondary clarifiers.

## **SUMMARY (Cont'd)**

Award of Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost

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The contract duration is 924 days.

The low bid received by the District is less than budgeted, and staff requests to decrease the TPC accordingly.

## RESOLUTION

Award of Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, is awarded to Lee Plumbing Mechanical Contractors, Inc., in the amount of \$2,272,206, and that the Executive Director is directed to execute a contract on behalf of the District.

**FURTHER RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the total project cost for Project S02008, South Shore Capacity Improvements, is decreased by \$1,221,001 for an amended total project cost of \$6,218,000, and that a corresponding change is made to the total project cost for Project M99001, Allowance for Cost and Schedule Changes.



**Capital Budget Fiscal Note  
Total Project Cost**

**RELATING TO:**

Award of Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost

**Capital Project Number(s)**

S02008

**Impact of Requested Action on Total Project Cost:**

Increase     Decrease     New Project     No Change

**Total Project Cost Analysis**

**Project Costs**

Adopted 2021 Total Project Cost	\$7,439,001
Previously Approved Changes	\$0
Approved Total Project Cost	\$7,439,001
Requested Total Project Cost	\$6,218,000
Requested (Increase)/Decrease	\$1,221,001

**Action to be taken to Long-Range Financing Plan to address Total Project Cost change**

\_\_\_\_\_ Transfer from Allowance for Cost and Schedule Changes  
 \_\_\_\_\_ Transfer from another project (specify in comments)  
 \_\_\_\_\_ Delay Project(s) (specify in comments)  
 \_\_\_\_\_ Delete Project(s) (specify in comments)  
 \_\_\_\_\_ Other \_\_\_\_\_  
 \_\_\_\_\_  Transfer to Allowance for Cost and Schedule Changes

**Comments**

The low bid received by the District is less than budgeted, and staff requests to decrease the TPC accordingly.

Budget Review by:

Theresa Zwieg

Date:

3/11/2021

**Award of Contract S02008C05, Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility, and Approve Changes in Total Project Cost**



**Procurement & S/W/MBE Summary Information**

**Contract #**                     S02008C05                     **Cost Center:**           ENG            
**Front Secondary Clarifier Improvements at South Shore Water Reclamation Facility**

**BID SUMMARY**

Bid Opening Date:           3/4/2021          

	Total	SWMBE	Local
# of Bids	2	0	0
# of Responsive Bids	2	0	0

Bidders	Price	Responsive?	Responsible?	% Sub	% SWMBE
Lee Plumbing Mechanical Contractors, Inc. Kenosha, WI 53140	\$2,272,206.00	Responsive	Responsible	7.4%	7.4%
J.F. Ahern Co. Fond du Lac, WI 54935	\$2,329,000.00	Responsive	Responsible	7.6%	7.6%

**SUBCONTRACTOR INFORMATION**

Type	Subcontractor Name	Type of Work	%	Amount
MBE	Sanchez Coating & Environmental Wausau, WI 54401	Painting	7.4%	\$168,521.00

**ECONOMIC DEVELOPMENT ELEMENTS**

Workforce Requirements  
 Sanitary Sewer Service Area (SSSA)  
 Employment:                     45%                      
 Target Area (TA) Employment:                     20%                      
 # Apprentices Required:                     1

## OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Architecture & Engineering category, sent targeted e-mails to # SWMBE (categories of work) firms, and notified the various local chambers of commerce. The proposal opportunity is also publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted.

S/W/MBE Planholders:

Sabel Mechanical; Thomas A. Mason Co., Inc.

If no or low S/W/MBE participation, explain why:

Approximately 46% of this contract is an allowance for the purchase of clarifier parts from Evoqua.

Additional Comments:

n/a

## AWARDEE INFORMATION

Company: Lee Plumbing Mechanical Contractors, Inc.  
 Contact Person: Dave Ruffalo  
 Phone Number: (262) 771-5214  
 E-mail Address: druffalo@selectlee.com

## EEO DATA

2915 60th Street  
 Location: Kenosha, WI 53140

Total # of Employees 208

	<u>Total</u>	<u>%</u>
<b>Minorities</b>	10	4.80%
African American	4	1.90%
Asian	1	0.50%
Hispanic	5	2.40%
Native American	0	0.00%

	<u>Total</u>	<u>%</u>
<b>Females</b>	16	7.70%
African American	1	0.50%
Asian	0	0.00%
Hispanic	1	0.50%
Native American	0	0.00%

*Labor Market Availability - Minorities* 22.00%

*Labor Market Availability - Females* 49.00%





**COMMISSION FILE NO:** 21-050-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Change Order Request, Contract W98002C22, 2020-2021 Watercourse Maintenance Contract – Northeast Area

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute a change order to Contract W98002C22, 2020-2021 Watercourse Maintenance Contract – Northeast Area, with Nature Systems, Inc., (Nature Systems) in the amount of \$126,674.

The District owns many watercourse assets, including approximately 350 acres of land, 129 miles of jurisdictional streams, retaining walls and headwalls, culverts, and trash racks. Jurisdictional streams include enclosed and open concrete-lined channels and non-concrete-lined natural streams.

The District uses contracted maintenance services to maintain District-owned watercourse channels and riparian properties. Typically, the District contracts for the services using one- to two-year duration contracts with individual contracts focused on four different geographic areas. Maintenance activities under the contracts include mowing, natural vegetation maintenance, snow removal, and debris and woody vegetation removal.

In October 2019, the District advertised and publicly bid Contract W98002C22, Watercourse Maintenance Contract – Northeast Area, for maintenance services. This contract is for general maintenance of various watercourse channels and riparian properties primarily on District-owned parcels in the northeast area of Milwaukee County. Generally, the northeast area is located north of Capitol Drive and east of North 76th Street. The contract scope includes turf grass maintenance, vegetation maintenance, walkway snow removal, debris removal, and woody vegetation removal.

**ATTACHMENTS:** **BACKGROUND**  **KEY ISSUES**  **RESOLUTION**   
**FISCAL NOTE**  **S/W/MBE**  **OTHER**  \_\_\_\_\_

*OP\_CO\_W98002C22\_WC\_Maintenance\_NE\_Area\_legislative\_file.docx  
03-24-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

### Change Order Request, Contract W98002C22, 2020-2021 Watercourse Maintenance Contract – Northeast Area

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The bid included separate bid prices for two years; the first year covers from spring 2020 through winter 2021, and the second year covers spring 2021 through winter 2022. The low bidder was selected based on the total bid for the two years. Nature Systems was the lowest responsive and responsible bidder between two bids received, and their bid was \$126,674 for each year of the contract. The bid documents stated that the District will award the contract for year one. If performance during the first year is satisfactory, as determined by the District, then the District and bidder may amend the contract to include the second year.

Using the Executive Director's delegated authority, the District entered into the contract with Nature Systems for the first year in an amount of \$126,674. District staff have found Nature Systems' performance to be satisfactory and now proposes to amend the contract in an amount of \$126,674 to include the second year. The scope for the second year is identical to the scope for the first year.

	<b>AMOUNT</b>	<b>PERCENTAGE INCREASE OVER ORIGINAL CONTRACT</b>	<b>AUTHORIZED BY</b>	<b>SWMBE</b>
Original Contract	\$126,674		Executive Director	100%
Requested Change Order	\$126,674	100%	Request of Commission	100%
Total Change Orders	\$126,674	100%		100%
<b>TOTAL</b>	<b>\$253,348</b>			<b>100%</b>

## RESOLUTION

Change Order Request, Contract W98002C22, 2020-2021 Watercourse Maintenance  
Contract – Northeast Area

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract W98002C22, 2020-2021 Watercourse Maintenance Contract – Northeast Area, with Nature Systems, Inc., in the amount of \$126,674.



## O&M Budget Fiscal Note

**RELATING TO:**

Change Order Request, Contract W98002C22, 2020-2021 Watercourse Maintenance Contract – Northeast Area

<b>Cost Center:</b> ENG _____	<b>Line Item:</b> 649 _____
<b>Line Item Impact</b>	
2021 Original Budget	\$524,000
Carryovers or Transfers	\$0
Adjusted Budget	\$524,000
Estimated Annual Expenditure including Request	\$524,000
Anticipated Year End Balance	\$0
Actual Year to Date Expenditures Through	NA
For unfavorable Year End Balance, identify funding source: <input type="checkbox"/> Absorbed within the Division	
<input type="checkbox"/> Other Division	
<input type="checkbox"/> Unallocated Reserve	
<b>Anticipated Expenditure Timing</b>	
	Requested Expenditures      Anticipated Savings/Revenues      Net Fiscal Impact
Current Year (2021)	\$63,337      \$0      \$63,337
Subsequent	\$63,337      \$0      \$63,337
Total Cost	\$126,674      \$0      \$126,674

**Comments:** The District proposes to amend the contract in the amount \$126,674 to cover spring 2021 through winter 2022.

Budget Review by:	Date
Theresa Zwieg _____	3/12/2021



**COMMISSION FILE NO:** 21-051-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Change Order Request, Contract W98002C24, 2020-2021 Watercourse Maintenance Contract – Southeast Area

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute a change order to Contract W98002C24, 2020-2021 Watercourse Maintenance Contract – Southeast Area, with Nature Systems, Inc., (Nature Systems) in the amount of \$91,859.

The District owns many watercourse assets, including approximately 350 acres of land, 129 miles of jurisdictional streams, retaining walls and headwalls, culverts, and trash racks. Jurisdictional streams include enclosed and open concrete-lined channels and non-concrete-lined natural streams.

The District uses contracted maintenance services to maintain District-owned watercourse channels and riparian properties. Typically, the District contracts for the services using one- to two-year duration contracts with individual contracts focused on four different geographic areas. Maintenance activities under the contracts include mowing, natural vegetation maintenance, snow removal, and debris and woody vegetation removal.

In October 2019, the District advertised and publicly bid Contract W98002C24, Watercourse Maintenance Contract – Southeast Area, for maintenance services. This contract is for general maintenance of various watercourse channels and riparian properties primarily on District-owned parcels in the southeast area of Milwaukee County. Generally, the southeast area is located south of Lincoln Avenue and east of South 55th Street. The contract scope includes turf grass maintenance, vegetation maintenance, walkway snow removal, debris removal, and woody vegetation removal.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_CO\_W98002C24\_WC\_Maintenance\_SE\_Area\_legislative\_file.docx  
03-24-21*

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## SUMMARY (Cont'd)

### Change Order Request, Contract W98002C24, 2020-2021 Watercourse Maintenance Contract – Southeast Area

The bid included separate bid prices for two years; the first year covers from spring 2020 through winter 2021, and the second year covers spring 2021 through winter 2022. The low bidder was selected based on the total bid for the two years. Nature Systems was the lowest responsive and responsible bidder between two bids received, and their bid was \$91,859 for year one of the of the contract and \$80,234 for year two. The bid documents stated that the District will award the contract for year one. If performance during the first year is satisfactory, as determined by the District, then the District and bidder may amend the contract to include the second year.

Using the Executive Director’s delegated authority, the District entered the contract with Nature Systems for the first year in an amount of \$91,859. District staff have found Nature Systems’ performance to be satisfactory and now proposes to amend the contract in an amount of \$91,859 to include the second year. While the second-year bid was for \$80,234, the bid documents inadvertently only included three vegetation cuttings for year two, as opposed to the planned five. Using the unit price bid as the basis for the costs, staff recommends adding two vegetation cuttings to the second year of the contract in an amount of \$11,625, for a total of \$91,859. With the addition of these two cuttings, the scope for the second year is identical to the scope for the first year.

	AMOUNT	PERCENTAGE INCREASE OVER ORIGINAL CONTRACT	AUTHORIZED BY	SWMBE
Original Contract	\$91,859		Executive Director	100%
Requested Change Order	\$91,859	100%	Request of Commission	100%
Total Change Orders	\$91,859	100%		100%
<b>TOTAL</b>	<b>\$183,718</b>			<b>100%</b>

## RESOLUTION

Change Order Request, Contract W98002C24, 2020-2021 Watercourse Maintenance  
Contract – Southeast Area

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract W98002C24, 2020-2021 Watercourse Maintenance Contract – Southeast Area, in the amount of \$91,859.



## O&M Budget Fiscal Note

**RELATING TO:**

Change Order Request, Contract W98002C24, 2020-2021 Watercourse Maintenance Contract – Southeast Area

<b>Cost Center:</b> ENG _____	<b>Line Item:</b> 649 _____																
<b>Line Item Impact</b>																	
2021 Original Budget	\$524,000																
Carryovers or Transfers	\$0																
Adjusted Budget	\$524,000																
Estimated Annual Expenditure including Request	\$524,000																
Anticipated Year End Balance	\$0																
Actual Year to Date Expenditures Through	NA																
For unfavorable Year End Balance, identify funding source: <input type="checkbox"/> Absorbed within the Division																	
<input type="checkbox"/> Other Division																	
<input type="checkbox"/> Unallocated Reserve																	
<b>Anticipated Expenditure Timing</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 20%;">Requested Expenditures</th> <th style="width: 20%;">Anticipated Savings/Revenues</th> <th style="width: 30%;">Net Fiscal Impact</th> </tr> </thead> <tbody> <tr> <td>Current Year (2021)</td> <td style="text-align: right;">\$45,930</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$45,930</td> </tr> <tr> <td>Subsequent</td> <td style="text-align: right;">\$45,930</td> <td style="text-align: right;">\$0</td> <td style="text-align: right;">\$45,930</td> </tr> <tr> <td><b>Total Cost</b></td> <td style="text-align: right;"><b>\$91,859</b></td> <td style="text-align: right;"><b>\$0</b></td> <td style="text-align: right;"><b>\$91,859</b></td> </tr> </tbody> </table>		Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact	Current Year (2021)	\$45,930	\$0	\$45,930	Subsequent	\$45,930	\$0	\$45,930	<b>Total Cost</b>	<b>\$91,859</b>	<b>\$0</b>	<b>\$91,859</b>
	Requested Expenditures	Anticipated Savings/Revenues	Net Fiscal Impact														
Current Year (2021)	\$45,930	\$0	\$45,930														
Subsequent	\$45,930	\$0	\$45,930														
<b>Total Cost</b>	<b>\$91,859</b>	<b>\$0</b>	<b>\$91,859</b>														

**Comments:** The District proposes to amend the contract in the amount \$91,859 to cover spring 2021 through winter 2022.

Budget Review by:	Date
Theresa Zwieg _____	3/12/2021





**COMMISSION FILE NO:** 21-052-4 **DATE INTRODUCED:** April 12, 2021

**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 M03108P02, Planning Services – Impact of Water Levels on District Conveyance System Assets

**SUMMARY:**

The Commission is requested to award and to direct the Executive Director to execute on behalf of the District Contract M03108P02, Planning Services – Impact of Water Levels on District Conveyance System Assets, to Symbiont Science, Engineering, and Construction, Inc., (Symbiont) in an amount not to exceed \$346,524. Symbiont was the highest scoring proposer among three proposals received through a qualifications-based selection method.

Lake and river water surface elevations have been at historical lows and highs in the past decade. Extreme highs and lows are predicted for the future due to climate change. The District must protect its assets from the adverse effects of these fluctuations, ensuring that the conveyance system continues to work as intended. A separate contract (M03108P01) will address water level risks at the water reclamation facilities and District Headquarters.

This project consists of a planning level study to identify District conveyance assets that could potentially be affected by high or low water surface elevations (lake and river). The District conveyance asset management team has identified risks that the consultant will evaluate; other risks identified throughout the process will also be evaluated.

The District has identified high water threats to the conveyance system, but no low water impacts are apparent. The consultant may identify low water impacts during the process of the project, but, at this time, Contract M03108P02 will focus on determining the causes of and presenting alternatives for preventing clear water from entering the conveyance system from watercourses and the lake and overcoming or mitigating the effects caused by a decreased level of service due to high water levels at outfalls.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_M03108P02\_Water\_Levels\_Conveyance\_legislative\_file.docx*  
03-24-21

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

## **SUMMARY (Cont'd)**

### **Award of Contract M03108P02, Planning Services – Impact of Water Levels on District Conveyance System Assets**

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The consultant will use the new personal computer storm water management model of the conveyance system to evaluate existing conditions for extreme high and low water levels and will propose and model alternatives to reduce risks. The consultant will provide planning level cost estimates associated with identified feasible alternatives. The consultant's evaluations will be summarized in two technical memoranda that will be incorporated with the recommendations into a final planning report.

The overall contract includes two major tasks: project management and planning services.

The contract duration is 12 months.

## RESOLUTION

Award of Contract M03108P02, Planning Services – Impact of Water Levels on District Conveyance System Assets

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that Contract M03108P02, Planning Services – Impact of Water Levels on District Conveyance System Assets, is awarded to Symbiont Science, Engineering, and Construction, Inc., in an amount not to exceed \$346,524, and that the Executive Director is directed to execute a contract on behalf of the District.



**Capital Budget Fiscal Note**  
**Total Project Cost**

**RELATING TO:**

Award of Contract M03108P02, Planning Services – Impact of Water Levels on District Conveyance System Assets

<b>Capital Project Number(s)</b>	<b>Impact of Requested Action on Total Project Cost:</b>
<u>M03108</u>	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease <input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	\$1,123,500
Previously Approved Changes	\$0
Approved Total Project Cost	\$1,123,500
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

<b>Action to be taken to Long-Range Financing Plan to address Total Project Cost change</b>	
<hr/>	Transfer from Allowance for Cost and Schedule Changes
<hr/>	Transfer from another project (specify in comments)
<hr/>	Delay Project(s) (specify in comments)
<hr/>	Delete Project(s) (specify in comments)
<hr/>	Other _____
<hr/>	Transfer to Allowance for Cost and Schedule Changes

**Comments**

Budget Review by:	Date:
<u>Christine Durkin</u>	<u>3/15/2021</u>

**Award of Contract M03108P02, Planning Services – Impact of Water Levels on District Conveyance System Assets**



**Procurement & S/W/MBE Summary Information**

**Contract #**                     M03108P02                     **Cost Center:**           PRS          

**Planning Services – Impact of Water Levels on District Conveyance System Assets**

**PROPOSAL SUMMARY**

Proposal Receipt Date:                     2/23/2021                    

	<b>Total</b>	<b>SWMBE</b>	<b>Local</b>
# of Proposals	3	0	3
# of Acceptable Proposals	2	0	2

<b>Proposals (listed by rank)</b>	<b>Negotiated Price</b>	<b>Acceptable?</b>	<b>% Sub</b>	<b>% SWMBE</b>
	<b>Submitted Price</b>			
Symbiont Science, Engineering, and Construction, Inc. Milwaukee, WI 53214	<b>\$346,524.00</b>	Acceptable	20.9%	20.9%
	\$346,524.00			
Brown and Caldwell Milwaukee, WI 53202	-	Acceptable	22.3%	22.3%
	\$349,943.00			
Arcadis Milwaukee, WI 53202	-	Unacceptable	20.3%	20.3%
	-			

*Compensation packages for proposals rated "Conditionally Acceptable" and "Unacceptable" are not opened.*

**SUBCONSULTANT INFORMATION**

<b>Type</b>	<b>Subconsultant Name</b>	<b>Type of Work</b>	<b>%</b>	<b>Amount</b>
SBE	Applied Science, Inc. Detroit, MI 48207	Alternatives analysis	4.6%	\$15,838.00
SBE	Gassenhuber Services, LLC West Allis, WI 53214	Technical advisor	0.4%	\$1,500.00
SBE	Stony Point Hydrology LLC Mukwonago, WI 53149	Lake and river level analysis	5.4%	\$18,732.00
SBE	Stormwater Solutions Engineering, LLC Milwaukee, WI 53204	Hydrologic and hydraulic modeling	8.1%	\$28,032.00
WBE	Penne Wilson Consulting Sturgeon Bay, WI 54235	Technical editing	1.4%	\$4,680.00
WBE	Superior Engineering, LLC Muskego, WI 53150	Technical advisor	1.1%	\$3,795.00

## ECONOMIC DEVELOPMENT ELEMENTS

Local Office Preference? Y

Mentor Protégé? N

## OUTREACH INFORMATION

The Procurement team performed the following outreach: advertised in the Daily Reporter, sent an e-mail notification to all registered firms in the Architecture & Engineering and Professional Services categories, and sent targeted e-mails to 98 SWMBE engineering and environmental firms. The proposal opportunity is also publicly accessible from the MMSD website and Bonfire, the portal used to post RFPs. Bonfire also performs outreach to its users when an RFP is posted.

### S/W/MBE Document Takers:

Applied Science, Inc.; Aqua Vitae Engineering; Bay Ridge Consulting; Bloom Companies; Fish Creek Restoration LLC; FreshWater Engineering; Globetrotters Engineering Corporation; K. Singh & Associates, Inc.; M Squared Engineering; Oneida Total Integrated Enterprises (OTIE); Ruekert & Mielke, Inc.; Stony Point Hydrology LLC; Stormwater Solutions Engineering, LLC; Superior Engineering; The Reese Group, LLC

### If no or low S/W/MBE participation, explain why:

n/a

### Additional Comments:

n/a

## AWARDEE INFORMATION

Company: Symbiont Science, Engineering, and Construction, Inc.  
 Contact Person: Amy L. Post, P.E.  
 Phone Number: (414) 755-1132  
 E-mail Address: amy.post@symbiontengineer.com

## EEO DATA

6737 W. Washington Street, Suite 340  
 Location: Milwaukee, WI 53214

Total # of Employees 110

	<u>Total</u>	<u>%</u>		<u>Total</u>	<u>%</u>
<b>Minorities</b>	<u>7</u>	<u>6.4%</u>	<b>Females</b>	<u>28</u>	<u>25.5%</u>
Asian	<u>3</u>	<u>2.7%</u>	Asian	<u>1</u>	<u>0.9%</u>
Black or African American	<u>1</u>	<u>0.9%</u>	Black or African American	<u>0</u>	<u>0.0%</u>
Hispanic or Latino	<u>1</u>	<u>0.9%</u>	Hispanic or Latino	<u>1</u>	<u>0.9%</u>
Native American	<u>0</u>	<u>0.0%</u>	Native American	<u>0</u>	<u>0.0%</u>
Other Minority	<u>2</u>	<u>1.8%</u>	Other Minority	<u>2</u>	<u>1.8%</u>

Labor Market Availability - Minorities 22.0%

Labor Market Availability - Females 49.0%

**PRIME PERFORMANCE HISTORY - S/W/MBE COMPLIANCE**

<b>Contract Title</b>	<b>Start Date</b>	<b>Percent Complete</b>	<b>Contract Value</b>	<b>Payments to Prime</b>	<b>Proposed SWMBE \$</b>	<b>Proposed SWMBE %</b>	<b>SWMBE Actuals \$</b>	<b>SWMBE Actuals %</b>
C98045D01 - Conveyance Gate Rehab Design - Phase 11	7/29/2013	100%	\$ 394,240	\$ 357,637	\$ 150,600	38%	\$ 168,158	47%
C98051D01 Conv Gate Rehab - Phase 3	7/20/2015	100%	\$ 310,450	\$ 310,450	\$ 124,180	40%	\$ 132,177	43%
C98053D01 Eng. Sers. Conv. Gate Rehab- Phase 4	11/1/2015	100%	\$ 353,536	\$ 353,536	\$ 148,697	42%	\$ 170,223	48%
I06001D01 - Engineering Services - NS-12 Collector System Requirements	8/22/2017	84%	\$ 1,198,351	\$ 1,002,393	\$ 231,042	19%	\$ 177,351	18%
J04033D01, D&D Drainage Piping and Quench Chambers Rehab	3/5/2015	100%	\$ 166,966	\$ 162,307	\$ 56,768	34%	\$ 47,985	30%
J04035D01 - ES Greens Grade Train Replacement	7/25/2018	83%	\$ 776,457	\$ 647,207	\$ 308,331	40%	\$ 184,864	29%
J04038D01 - Milorganite Dryers Waste Heat Isolation & Flow Control Valve Replacement	10/2/2019	68%	\$ 262,684	\$ 177,882	\$ 102,552	39%	\$ 48,032	27%
J04039D01 - Eng. Services JI WRF Pressure Relief Panel	11/17/2015	100%	\$ 352,498	\$ 352,424	\$ 74,377	21%	\$ 85,452	24%
J04050D01 - Eng Serv Dryer Feed & Discharge Screw Conveyor	7/1/2016	85%	\$ 459,640	\$ 390,721	\$ 172,181	37%	\$ 124,371	32%
J04051D01 - Eng. Services Main Recycle Air Belt Feed Screw Conveyor	4/26/2016	100%	\$ 93,651	\$ 91,543	\$ 24,874	27%	\$ 14,182	15%
J04052D01 - Preliminary Engineering & Engineering Services for Milorganite Facility Improvements	8/1/2016	96%	\$ 388,483	\$ 373,605	\$ 125,325	32%	\$ 83,398	22%
J04057D01 Design and Engineering Services for JI WRF	1/1/2016	100%	\$ 127,556	\$ 127,547	\$ 30,613	24%	\$ 20,779	16%
J04074E01 - Prelim Eng - Milorganite Packaging Facility	4/22/2020	72%	\$ 374,626	\$ 242,095	\$ 87,213	23%	\$ 27,523	11%
J06026D01, JI & SS WRF Lighting Upgrade Design	4/20/2017	99%	\$ 296,694	\$ 295,031	\$ 102,567	35%	\$ 64,160	22%
J06054D01 ISS Crane & Tunnel Fan Overhaul	7/20/2015	96%	\$ 268,483	\$ 256,996	\$ 74,987	28%	\$ 84,448	33%
M01019P01 - Development of Air Monitoring Plans for Certain Conveyance & WRFs	8/1/2016	100%	\$ 389,316	\$ 389,207	\$ 69,065	18%	\$ 22,446	6%
S04030D01 - ES SS Aeration Basin Concrete Rehab Phase 3	7/27/2018	98%	\$ 203,516	\$ 198,976	\$ 69,541	34%	\$ 50,253	25%
TS-2640, On-Call Engineering Services for Conveyance Facilities	10/13/2017	69%	\$ 408,707	\$ 281,277	\$ 81,741	20%	\$ 86,795	31%

*Note: Only contracts that are at least 50% complete are included in the table above.*



**COMMISSION FILE NO:** 21-053-4 **DATE INTRODUCED:** April 12, 2021

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

**REFERRED BY COMMISSION CHAIRPERSON TO:** Operations Committee

**RELATING TO:** Change Order Request, Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow Reduction Program

**SUMMARY:**

The Commission is requested to authorize the Executive Director to execute a change order to Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow (PPII) Reduction Program, with Oneida Total Integrated Enterprises, LLC, (OTIE) in the amount of \$652,000.

In January 2018, the Commission authorized the award of Contract M10004E02 to OTIE in the amount of \$600,000. OTIE was the highest scoring proposer through a District qualifications-based selection process for professional services. OTIE provides engineering services to both the District and the municipalities served by the District for work completed through the PPII Reduction Program. Contract M10004E02 serves as a master contract with the scope defined by eight general engineering tasks and two project management tasks. The contract is administrated on a task order basis as District or municipality engineering needs arise. The term of the contract is scheduled to expire on December 31, 2022.

**ATTACHMENTS:** BACKGROUND  KEY ISSUES  RESOLUTION   
FISCAL NOTE  S/W/MBE  OTHER  \_\_\_\_\_

*OP\_Change\_Order\_M10004E02\_Engineering\_Services\_PPII\_legislative\_file.docx*  
03-24-21

**COMMITTEE ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**COMMISSION ACTION:** \_\_\_\_\_ **DATE:** \_\_\_\_\_



## BACKGROUND

### Change Order Request, Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow Reduction Program

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In February 2011, the Commission authorized the 2010-2020 PPII Reduction Program to reduce flows in the District collection system and reduce the risk of basement backups through mitigation of private property infiltration and inflow sources. In support of the 28 satellite municipalities pursuing PPII reduction projects, the District procured a master contract for engineering services. The central District-procured contract expedited implementation of projects, reduced costs through economies of scale, and promoted consistent project completion. When the original District engineering contract expired in 2017, the District issued two requests for proposals, splitting the scope into two contracts, with one primarily for District engineering services and this contract with OTIE primarily for municipality engineering services. The OTIE contract has enabled engineering work that is typically smaller in scale to be completed at a lower cost with a higher small, women, and minority-owned business enterprise (SWMBE) participation rate for municipalities and the District. The Contract M10004E02 value of \$600,000 was determined based on the previous District and municipality use of the original 2011 engineering contract. To date, a total of \$558,223 of the contract is committed to active or completed task orders; \$97,048 is committed to municipality PPII project task orders, and \$461,175 is committed to District PPII engineering task orders.

Two developments in the PPII Reduction Program have increased the need for engineering support significantly beyond the anticipated level of effort at the onset of the contract. Needs are estimated to cost \$652,000 and include the following:

- In April 2020, the Commission approved the revised Statement of Policy, Private Property Infiltration and Inflow Reduction Program, through Resolution 20-058-4. The revised Statement of Policy sets annual milestone dates that motivate municipalities to complete PPII reduction work in a timely manner or risk losing program funding. The policy change is anticipated to result in an estimated increase in demand for municipality engineering services of \$150,000. An additional \$50,000 is requested for District engineering support services needed for municipality staff and consultant training and developing technical standards.
- In 2018, defects were identified in laterals that were rehabilitated through cured-in-place-pipe lining funded by the District program. Engineering services for design, field inspection, and construction engineering services required for repair of the defective work are an estimated \$452,000.

## **BACKGROUND (Cont'd)**

Change Order Request, Contract M10004E02, District Engineering Services for the  
Private Property Infiltration and Inflow Reduction Program

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The municipality work defined in this change order request for Contract M10004E02 is funded through the accumulated annual program allocations to each municipality and is included in the total project cost of Project M10005 as approved through the 2021 budget. The District work defined in this change order request for Contract M10004E02 is included in the total project cost of Project M10004 as approved through the 2021 budget. This change order does not change the total project cost. This requested change order consists of an increase to the not-to-exceed value of the contract with no change in scope definition or the December 31, 2022, contract expiration date.

### **CONTRACT COST CHANGES**

	<b>AMOUNT</b>	<b>PERCENTAGE INCREASE OVER ORIGINAL CONTRACT</b>	<b>AUTHORIZED BY</b>	<b>SWMBE</b>
Original 2018 Contract	\$600,000		Commission	81%
Change Order #1	\$0	N/A	Division Director	N/A
Change Order #2	\$0	N/A	Division Director	N/A
Requested Change Order #3	\$652,000	108.7%	Request of Commission	51%
Total Change Orders	\$652,000	108.7%		51%
Revised Contract	\$1,252,000			54%

## RESOLUTION

Change Order Request, Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow Reduction Program

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**RESOLVED**, by the Milwaukee Metropolitan Sewerage Commission, that the Executive Director is authorized to execute a change order to Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow Reduction Program, with Oneida Total Integrated Enterprises, LLC, in the amount of \$652,000.



**Capital Budget Fiscal Note**  
**Total Project Cost**

**RELATING TO:**

Change Order Request, Contract M10004E02, District Engineering Services for the Private Property Infiltration and Inflow Reduction Program

<b>Capital Project Number(s)</b>	<b>Impact of Requested Action on Total Project Cost:</b>
<u>M10004</u>	<input type="checkbox"/> Increase <input type="checkbox"/> Decrease <input type="checkbox"/> New Project <input checked="" type="checkbox"/> No Change

<u>Total Project Cost Analysis</u>	<u>Project Costs</u>
Adopted 2021 Total Project Cost	\$10,108,057
Previously Approved Changes	\$0
Approved Total Project Cost	\$10,108,057
Requested Total Project Cost	n/a
Requested (Increase)/Decrease	\$0

<b>Action to be taken to Long-Range Financing Plan to address Total Project Cost change</b>	
<hr/>	Transfer from Allowance for Cost and Schedule Changes
<hr/>	Transfer from another project (specify in comments)
<hr/>	Delay Project(s) (specify in comments)
<hr/>	Delete Project(s) (specify in comments)
<hr/>	Other _____
<hr/>	Transfer to Allowance for Cost and Schedule Changes

**Comments**

Budget Review by:	Date:
<u>Christine Durkin</u>	<u>3/15/2021</u>

# April 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2 GOOD FRIDAY	3
4 EASTER	5	6	7	8	9	10
11	12 Operations Committee-9:00 a.m. PF&P Committee- 9:05 a.m.	13	14	15	16	17
18	19	20	21	22	23	24
25	26 Commission-1:00 p.m.	27	28	29	30	