



OPERATIONS COMMITTEE

Administration Building
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Agenda Report

File #: 2024-3605

Agenda Date: 6/5/2024

Agenda Item No: 3.

FROM: Robert Thompson, General Manager
Originator: Riaz Moinuddin, Director of Operations & Maintenance

SUBJECT:

TRICKLING FILTER C CENTER MAST ASSEMBLY REPLACEMENT AT PLANT NO. 2, PROJECT NO. MP2-019

GENERAL MANAGER'S RECOMMENDATION

RECOMMENDATION: Recommend to the Board of Directors to:

- A. Approve a Sole Source General Services Contract to Jamison Engineering Contractors, Inc. for Trickling Filter C Center Mast Assembly Replacement at Plant No. 2, Project No. MP2-019, for a total amount not to exceed \$274,800 and;
- B. Approve a contingency of \$27,480 (10%).

BACKGROUND

The Orange County Sanitation District (OC San) trickling filters at Plant No. 2 consist of three 150-foot diameter rotating assemblies. This trickling filter process provides secondary treatment rated at an average of 60 MGD during dry weather and approximately 182 MGD during peak wet weather capacities. The trickling filters are engineered to remove the organic content in wastewater utilizing micro-organisms living on the filter media. Each trickling filter is equipped with a motor-operated rotary distributor assembly to uniformly distribute the primary treated flow over the media.

The Center Rotating Mast Assembly procurement and fabrication for Trickling Filter C was approved by the Board in December 2023. The equipment is scheduled to be shipped to Plant No. 2 for installation in August 2024.

RELEVANT STANDARDS

- Maintain a proactive asset management program

PROBLEM

Trickling Filter C Center Rotating Mast Assembly is showing signs of structural cracks, and a replacement Center Rotating Mast Assembly structure was approved for fabrication in December 2023 and will be delivered to Plant No. 2. The new structural element needs to be installed in Trickling Filter C.

PROPOSED SOLUTION

Replace Trickling Filter C Center Mast structure provided by Ovivo USA, LLC, the original equipment manufacturer (OEM), using the exclusive OEM qualified installation contractor in our service area, Jamison Engineering Contractors, Inc.

TIMING CONCERNS

The Trickling Filters at Plant No. 2 are critical assets that support secondary treatment requirements. There exists a higher risk of not being able to reliably provide required secondary treatment at Plant No. 2. Additionally, this trickling filter process provides all secondary treatment for the GWRS from Plant No. 2.

RAMIFICATIONS OF NOT TAKING ACTION

Failure to act increases the risk of not being able to provide required secondary treatment at the Plant No. 2 trickling filter process and not be able to provide water to the GWRS from Plant No. 2.

PRIOR COMMITTEE/BOARD ACTIONS

December 2023 - Board approved a Sole Source Purchase Order Contract to Ovivo USA, LLC for a direct replacement Center Mast Assembly for the Plant No. 2 Trickling Filter “C” Center Rotating Assembly Replacement at Plant No. 2, Project No. MP2-019, for a total amount not to exceed \$586,272; and approved a contingency of \$58,627 (10%).

ADDITIONAL INFORMATION

Ovivo USA, LLC, is the Board of Directors approved OEM for Plant No. 2 Trickling Filter parts. Ovivo USA, LLC has modified the Center Mast structural elements for greater strength for Trickling Filter C. Jamison Engineering Contractors, Inc. is the sole authorized Contractor able to make Trickling Filter repairs on behalf of Ovivo USA, LLC.

CEQA

N/A

FINANCIAL CONSIDERATIONS

This request complies with authority levels of OC San’s Purchasing Ordinance. This item has been budgeted (Fiscal Year Budget 2023-2024, Section 6, Page 96, Plant No. 2 Maintenance Department) and the budget is sufficient for the recommended action.

<u>Date of Approval</u>	<u>Contract Amount</u>	<u>Contingency</u>
06/26/2024	\$274,800	\$27,480 (10%)

ATTACHMENT

The following attachment(s) may be viewed on-line at the OC San website (www.ocsan.gov) with the complete agenda package:

- General Services Contract

RM:ls